| Tsuyama College | Advanced Electronics and Information System Engineering Course | Year | 2021 |
|-----------------|--|------|------|
| | | | |

Department Goals

| Cοι | ırs | | Caura | | | | s Hours | oer Wee | ek | | | | | | Divisio |
|-----------------------------|--------------------------|--------------------------------------|-------|------------------------|-------------|------------------|---------|-----------|----|-----------|-------|-----------|----|--|--------------------------------------|
| e Cat | | Course Title | Cours | Credit Type | Credit s | | 1st Y | and | | | 2nd Y | and | | Instru ctor | n in Learni |
| ory | | | Čode | 1,90 | | <u>1st</u> 1Q | 2Q | 2nd 3Q | 4Q | 1st 1Q | 2Q | 2nd 3Q | 4Q | | ng |
| Ge ne ral | El ec tiv e | Biotechnology | 0006 | Acade mic Credit | 2 | 2 | | | | | | | | SHIBA TA Norito | Ele cti ve sub jec ts |
| Ge ne ral | El ec tiv e | Practical English I | 0009 | Acade mic Credit | 2 | 2 | | | | | | | | RAMB O Eric | Ele cti ve sub jec ts |
| Ge ne ral | El ec tiv e | Theory of International Culture | 0010 | Acade mic Credit | 2 | 2 | | | | | | | | SUGIY AMA Akira | Ele cti ve sub jec ts |
| Sp eci ali ze d | El ec tiv e | Methods of Scientific Experiments | 0001 | Acade mic Credit | 2 | 2 | | | | | | | | YAMA GUCHI Daizo, KAWA I Masah iro | Ele cti ve sub jec ts |
| Sp eci ali ze d | El ec tiv e | Technical English Reading | 0002 | Acade mic Credit | 2 | 2 | | | | | | | | KATO RI Shiget aka | |
| Sp eci ali ze d | El ec tiv e | General Aspects of Engineering I | 0003 | Acade mic Credit | 2 | Inte | nsive | | | | | | | TERA MOTO Takay uki | |
| Sp eci ali ze d | El ec tiv e | General Aspects of Engineering II | 0004 | Acade mic Credit | 2 | Inte | nsive | | | | | | | TERA MOTO Takay uki | |
| Sp eci ali ze d | Co m u so ry | Thesis Work I | 0005 | School Credit | 8 | 8 | | 8 | | | | | | KOBA YASHI Toshir o,NIS HIO Kimihi ro,SHI MADA Takao, YABU KI Nobor u,TAK ETANI Hisash i,TERA MOTO Takay uki,MI YASHI TA Takuy a,KAW ANAMI Hiromi chi,KI KUCHI Yosuk G Guans hen | |
| Sp eci ali ze d | El ec tiv e | Advanced Electromagnetism | 0007 | Acade mic Credit | 2 | | | 2 | | | | | | UETSU KI Tadao | |

| Sp eci ali ze d | El ec tiv e | Electric and Electronic Apparatus | 0008 | Acade mic Credit | 2 | 2 | YAGI Hidey uki | |
|--|----------------------------|--|------|------------------------|---|-----|--|--------------------------------------|
| ze d Sp eci ali ze d | El ec tiv e | Information Science | 0011 | Acade mic Credit | 2 | 2 | TERA MOTO Takay uki | |
| Sp eci ali ze d | El ec tiv e | Basic Practice in Information Processing I | 0012 | School Credit | 1 | 2 | TAKET ANI Hisash i | |
| Sp eci ali ze d | El ec tiv e | Practice in Information Processing I | 0013 | School Credit | 1 | 2 | TERA MOTO Takay uki | Ele cti veb jec ts |
| Sp eci ali ze d | El ec tiv e | Basic Practice in Information Processing II | 0014 | School Credit | 1 | 2 | TAKET ANI Hisash i | |
| Sp eci ali ze d | El ec tiv e | Practice in Information Processing II | 0015 | School Credit | 1 | 2 | TERA MOTO Takay uki | Ele cti ve Sub jec ts |
| Sp eci ali ze d | El ec tiv e | Computer System Engineering | 0016 | Acade mic Credit | 2 | 2 | MIYAS HITA Takuy a | Ele cti ve sub jec ts |
| Sp eci ali ze d | El ec tiv e | Special Lecture on Information Systems | 0017 | Acade mic Credit | 2 | 2 | ONISH I Atsush i | Ele cti ve sub jec ts |
| Sp eci ali ze d | El ec tiv e | Linear Algebra | 0018 | Acade mic Credit | 2 | 2 | MATS UDA Osam u | Ele cti ve sub jec ts |
| Sp eci ali ze d | El ec tiv e | Environmental Science Theory | 0019 | Acade mic Credit | 2 | 2 | KOBA YASHI Toshir o | Ele cti ve sub jec ts |
| Sp eci ali ze d | El ec tiv e | Engineering Ethics | 0020 | Acade mic Credit | 2 | 2 | HOSO TANI Kazun ori,MI YASHI TA Takuy a | Ele cti ve sub jec ts |
| Sp eci ali ze d | Co m pu Iso ry | Experiments of Electronic and Computer Systems | 0021 | School Credit | 4 | 4 4 | NAKA MURA Shigey uki | |
| Ge ne ral | El ec tiv e | Practical English II | 0029 | Acade mic Credit | 2 | | RAMB O Eric | Ele cti veb jec ts |
| Ge ne ral | El ec tiv e | Social Sciences | 0030 | Acade mic Credit | 2 | | KADO YA Hiden ori | |
| Ge ne ral | El ec tiv e | Modern Philosophy | 0031 | Acade mic Credit | 2 | | KAMIY A Ken | Ele cti ve sub jec ts |

| Sp eci ali ze d | El ec tiv e | Special Lecture on Advanced Engineering | 0022 | Acade mic Credit | 1 | Intensive | HOSO TANI Kazun ori,TE RAMO TO Takay uki,KO NISHI Daijiro | E l e c t i v e s u b j e c t s |
|-----------------------------|----------------------|--|------|------------------------|---|-----------|--|--|
| Sp eci ali ze d | El ec tiv e | Production Control Engineering | 0023 | Acade mic Credit | 2 | | KAWA I Masah iro | Ele cti ve sub jec ts |
| Sp eci ali ze d | El ec tiv e | Practice on Regional Cooperation | 0024 | Acade mic Credit | 1 | | HOSO TANI Kazun ori,TE RAMO TO Takay uki | |
| Sp eci ali ze d | Co m pu lso ry | Thesis Work II | 0025 | School Credit | 8 | 8 8 | KATO RI Shiget aka,N AKAM URA Shigey uki,NI SHIO Kimihi ro,SHI MADA Takao, TERA Takao, TERA MOTO Takay uki,KA WANA MI Hiromi chi,KI KUCHI Yosuk e | |
| Sp eci ali ze d | El ec tiv e | Electrical Network Analysis | 0026 | Acade mic Credit | 2 | 2 | NISHI O Kimihi ro | |
| Sp eci ali ze d | El ec tiv e | Electronic Device Engineering | 0027 | Acade mic Credit | 2 | 2 | NAKA MURA Shigey uki | |
| Sp eci ali ze d | El ec tiv e | Power Electronics | 0028 | Acade mic Credit | 2 | 2 | KOBA YASHI Toshir o | Ele cti ve sub jec ts |
| Sp eci ali ze d | El ec tiv e | Practice in Information System I | 0032 | School Credit | 1 | 2 | SORI Hitoshi ,KAW AI Masah iro | |
| Sp eci ali ze d | El ec tiv e | Practice in Information System II | 0033 | School Credit | 1 | 2 | SORI Hitoshi ,KAW AI Masah iro | |
| Sp eci ali ze d | El ec tiv e | Numerical Analysis | 0034 | Acade mic Credit | 2 | 2 | KIKUC HI Yosuk e | Ele cti ve sub jec ts |
| Sp eci ali ze d | El ec tiv e | Image Processing | 0035 | Acade mic Credit | 2 | 2 | YABU KI Nobor u | Ele cti ve Sub jec ts |

| Sp eci ali ze d | El ec tiv e | Digital Signal Processing | 0036 | Acade mic Credit | 2 | 2 | KAWA NAMI Hiromi chi | Ele cti ve sub jec ts |
|-----------------------------|----------------------|---|------|------------------------|---|-----------|--|--------------------------------------|
| Sp eci ali ze d | El ec tiv e | Mathematical Engineering | 0037 | Acade mic Credit | 2 | 2 | YOKO TANI Masaa ki | Ele cti ve sub jec ts |
| Sp eci ali ze d | El ec tiv e | Scientific Investigation | 0038 | Acade mic Credit | 2 | 2 | YAMA GUCHI Daizo | Ele cti ve sub jec ts |
| Sp eci ali ze d | El ec tiv e | System Control Engineering | 0039 | Acade mic Credit | 2 | 2 | YAGI Hidey uki | |
| Sp eci ali ze d | El ec tiv e | Long Term Internship | 0040 | Acade mic Credit | 2 | Intensive | HOSO TANI Kazun ori,TE RAMO TO Takay uki,KO NISHI Daijiro | Ele cti ve sub jec ts |
| Sp eci ali ze d | El ec tiv e | Practice on International Communication | 0041 | Acade mic Credit | 1 | Intensive | KONIS HI Daijiro ,HOSO TANI Kazun ori,TE RAMO TO Takay uki | Ele cti ve sub jec ts |

| Tsuyama Co | ollege | Year | 2021 | | | Course Title | Biotec | hnology | |
|--|--|---|---|--|-------------------------|--|----------------------|---|--|
| Course Informati | on | | | | | | | | |
| Course Code | 0006 | | | Course Cate | egory | General, | / Elective | 5 | |
| Class Format | Lecture | | | Credits | | Academi | c Credit: | 2 | |
| Department | | ectronics and neering Cours | | Student Gra | Student Grade Adv. 1st | | | | |
| Term | First Semest | - | | Classes per | | 2 | | | |
| Textbook and/or Teaching Materials | Kodansha "B | o not specify, iotechnology chnology and | Text Series G | e reference mater enetic Engineering | rials in a g" Jikkyo | timely mai o Shuppan | nner dur "Basic S | ing class. Reference book: eries for Life Sciences | |
| Instructor | SHIBATA No | rito | | | | | | | |
| Course Objective | S | | | | | | | | |
| Learning purpose : Understand intelligent mechanics based on biological knowledge by learning the principles, techniques and applications of genetic engineering, tissue engineering and biomimetics. Also, understand bioengineering based on natural science through this lecture. | | | | | | | | | |
| 1. Understand the pri 2. Understand tissue 3. Understand biomir | engineering u | sing ES cells a | and iPS cells. | 5 5, | | ical point o | f view. | | |
| Rubric | | | | | | | | | |
| | Excellen | t | Good | | Accept | able | | Not acceptable | |
| Achievement 1 | explain engineer using nu | ring technolog Icleic acids, ai an be useful i | nd lusing pu | genetic ring technology ıcleic acids. | engine | Understand genetic engineering technology using nucleic acids. | | Not reached | |
| Achievement 2 | applicati tissue er | and and expla on examples ngineering usi and ES cells. | of engineer | application es of tissue ring using iPS d ES cells | engine | Understand tissue engineering using iPS cells and ES cells. | | Not reached | |
| Achievement 3 | explain a example that take the char | anding and application s of biomime e advantage c acteristics of ganisms and nciples. | tics example of that mal of the ch | nple of biomimetics of biomimetics of biomimetics adv makes the best use adv ne characteristics of cha | | Understand the principles of biomimetics that take advantage of the characteristics of living organisms. | | Not reached | |
| Assigned Departr | | | I | | | | | | |
| Teaching Method | | | | | | | | | |
| | | pecialized : S | pecialized | | | | | | |
| | | | | netics/Tissue eng | lineering | | | | |
| | Foundational | academic dis | ciplines : Biol | logy/Biological Sci | ience | | | | |
| | Relationship This class is | with Educatio equivalent to | nal Objective "(1) Cultivate | s : human creative | talent, ri | ich in pract | ical abilit | ties". | |
| Outline | Relationship The main go | with JABEE p als of learning | rograms : g / education i | in this class is "(A | N), A-: | 1. | | | |
| | Course outline : Bioengineering has expanded not only to the fields of life science such as biology, medicine and agriculture, but also to bioengineering based on mechanical engineering. The core technologies are genetic engineering, tissue engineering and biomimetics. In this lecture, we will systematically explain from the basic explanation of these to the applied technology. | | | | | | | | |
| Style | assignments | the main poin will be given | nts while expl according to s a second-ha | the content of the | ard etc. t e lesson, | based on th and review | e hando v and se | uts. Timely, report lf-study will be | |
| Grade evaluation method : The score of the final exam (70%) is evaluated by adding the reports up to each regular exam (30%). No retest will be conducted. | | | | | | | | gular exam (30%). No | |

| | | | This is a including | ns on the enrollme class that requires both class time ar side of class hours | res study outside of class hours. A total of 45 hours of study is required per credit, e and study outside class time. Follow the instructions of the instructor regarding | | | | | | | |
|---|---------------|------|--------------------------------------|--|---|-----------------|--|---|-------------------------------------|--|--|--|
| | | | Course ac I will exp so if you | | ts so that you can t, please take it. | n understand ev | /en if you do not h | ave basic knowle | edge of biology, | | | |
| Notice | | | Foundatio (4th year | | logy (1st year), (| Chemistry I (2n | d year), Chemistry | ı II (3rd year), A | pplied Biology | | | |
| | | | Related s | ubjects : Applied (| Chemistry (4th y | ear) | | | | | | |
| | | | class time | | ou have any ques | tions about the | rt assignments. The lecture or anythin | | | | | |
| Charact | eristic | s o | • • | Division in Lea | | | | | | | | |
| Active | e Learni | ng | | □ Aided by ICT | - | ☑ Applicable t | o Remote Class | Instructor Pr Experienced | ofessionally | | | |
| Elect | tive | S | ubjec | t s | | | | | | | | |
| Course | Plan | | | -1 | | | | | | | | |
| | | | | Theme | | | Goals Understand the b | enefits of applyir | ng organisms to | | | |
| | | - | 1st (| Guidance | | | technological dev | elopment | | | | |
| | - | | | Genetic engineerin | g I | | Understand the n by the PCR meth role of each part | od, and further u of the actual PCR | nderstand the machine. | | | |
| | | , | 3rd C | Genetic engineerin | g II | | Understand the method of measuring the amount of DNA by real-time PCR using the PCR method and the principle and mechanism of the sequencing device that determines the base sequence based on the PCR method. | | | | | |
| 1st | | | 4th C | Genetic engineerin | g III | | Understand principle and mechanism of DNA typing method using PCR method | | | | | |
| | Quarte | | 5th (| Genetic engineerin | g IV | | Understand the p recombination in | rinciples of gene | tic Its | | | |
| | | | 6th C | Genetic engineerin | g V | | Understand the p recombination in from actual exam | animals and plar | on of genetic Its to industry | | | |
| | | | 7th 1 | issue engineering | I | | Understand ES ce basis of tissue en production metho | gineering, and u | nderstand their | | | |
| 1st | | | 8th 1 | issue engineering | II | | Understand the b tissue engineerin | ioactive substand g using iPS cells a | ces required for and ES cells | | | |
| Semeste r | | | 9th 7 | issue engineering | III | | Understanding the scaffolding materials used in tissue engineering from a materials engineering perspective | | | | | |
| | | | 10th 7 | issue engineering | IV | | Considering the p from the aspects engineering base regeneration usir | of cell engineerir d on actual exam | ng and medical | | | |
| | | | 11th E | Biomimetics I | | | Understand the c applies and utilize organisms | verall picture of l es the characteris | biomimetics that stics of living | | | |
| | 2nd Quarte | | 12th E | Biomimetics II | | | Mechanically und developed from t geckos | erstand the adhe he hands of cock | sive tape leburs and | | | |
| | | | 13th E | Biomimetics III | | | Optically and mee fibers developed butterflies and th imitating shark sl | from the scales c e swimsuit devel | of Morpho | | | |
| | | | 14th E | Biomimetics IV | | | Understand the n Shinkansen, whic found in honeyco walls, and the sh | h uses the hones mb structures, c | comb structure ushions and | | | |
| | | - | | Late term exam) | | C | | | | | | |
| | | | | Return of the late t he answer | term exam and e | explanation of | | | | | | |
| Evaluat | ion Me | etho | od and W | eight (%) | | | | 1 | | | | |
| | | Exai | mination | Presentation | Mutual Evaluations between students | Behavior | Portfolio | Other | Total | | | |
| Subtotal 70 0 0 0 0 0 | | | | | 0 | 30 | 100 | | | | | |
| Basic Proficienc | cy | 70 | | 0 | 0 | 0 | 0 | 30 | 100 | | | |
| Specialize Proficienc | | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | | | |

| Cross Area Proficiency 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-----------------------------|---|---|---|---|---|---|
|-----------------------------|---|---|---|---|---|---|

| Tsı | uyama C | ollege | | Year | 2021 | | Cc T | ourse Fitle | Practical English I | |
|--|---|---|--|--|---|--|---|--|---|--|
| Course 1 | [nformat | ion | | | | | | · | | |
| Course Co | de | 0009 | | | | Course Categor | ry | General / | Elective | |
| Class Forn | nat | Lecture | | | | Credits | | Academic | Credit: 2 | |
| Departme | nt | | | ectronics and intering Cours | | Student Grade | | Adv. 1st | | |
| Term | | First Ser | neste | er | | Classes per We | ek I | 2 | | |
| Textbook Teaching I | | Successf | ul Ke | eys to the TO | EIC, Goal 500 (Kir | ihara); Handout | ts, Dictio | onary | | |
| Instructor | | RAMBO | Eric | | | | | | | |
| Course (| Objective | es | | | | | | | | |
| research r [Course O 1. Develop ideas abou 2. Be able 3. Be able 4. To raise © : After u | e overall E esults and bjectives] the Engli ut familiar to give pr to prepar the score inderstanc | interacting sh commu matters ar esentation e a speech of langua ing the oth | g wit nicat nd or s at a mar ge te ner p | h the audienc ion skills, and ne's specialty. a level that is nuscript writte ssts such as T erson, such a | e. acquire basic Eng acceptable at inte n in English that i OEIC as a means | lish proficiency ernational confer s grammatically of measuring yo he general publ | to under rences. correct our achie lic, you | erstand an t and logic evement. can conve | y your own opinions and | |
| Rubric | | | | | | | | | | |
| | | | Id | leal Level | | Standard Level | | | Unacceptable Level | |
| Achieveme | ent 1 | | ve cc id | ery well to und | formation and niliar matters | Has acquired E reasonably wel and convey bas and ideas abou matters and on | l to und sic infor it familia | lerstand ´ mation ar | Has not acquired English proficiency to understand and convey basic information and ideas about familiar matters and one's specialty. | |
| Achievement 2 | | | | an make a sm resentation at an be used at onferences. | a high level that | Can make a smooth | | | Cannot make a smooth presentation at an acceptable level that can be used at international conferences. | |
| Achievem | ent 3 | | le re lis | an fully solve vel vocabulary ading compre- stening compr oblems. | hension, and | t Can generally solve TOEIC 400- point level vocabulary, grammar, reading comprehension, and listening comprehension problems. | | | Cannot solve TOEIC 400-point level vocabulary, grammar, reading comprehension, and listening comprehension problems. | |
| Assigned | d Depart | ment Ob | oject | tives | | | | | | |
| Teaching | g Metho | d | | | | | | | | |
| | <u> </u> | General Areas of Basic dis | stud sciplir | U , | nguages English and Ameri | | 0 | <i>·</i> · | | |
| Outline | | advance understa Relations "(F) Dev | d tec and t ship elopi | chnology, and he importance with engineer ment of comn | e of seeing things education progra | from a global p m: The main go and presentation | erspecti bals of le n ability | vill coopera ive. It is a earning an | s training, special lectures on ate with the local community and subject equivalent to. d education in this subject are be able to communicate in | |
| | | | s will | be able to ma | | | | | ions and techniques that are | |
| | | · | | • | ations, and also p | • | | | a the expressions studied in the | |
| Style | | Grade ev | /alua | same time, w ition method: o regular exar | 50% weekly exer | EIC textbook to cises (Assignme | prepare ents, qui | for taking izzes, Pow | g the expressions studied in the g the TOEIC test. verPoint presentations.), 50% the | |
| Notice Precautions for taking this course: This course is a "course that requires study outside of class hours". A tot of 45 hours of study is required per credit, including the class hours and study outside of class hours. For study outside of class hours, follow the instructions from the instructor. Course advice: Actively participate in classes and submit assignments within the deadline. Given the curren situation in which TOEIC is widely accepted as a means of judging English proficiency, have a positive attitut towards taking the TOEIC test. Basic subjects: English IV (4th), Elective English I (4), English V (5), Elective English II (5) Related subjects: Technical English reading (Specialty 1) Attendance advice: Admission after the start of class is considered to be late, and one credit hour will be counted as absent for two late arrivals. | | | | | | | | | y outside of class hours. For the deadline. Given the current oficiency, have a positive attitude English II (5) | |
| Characte | eristics o | | | vision in Lea | | | | | | |
| ☑ Active | | . 0000/ | | Aided by IC | | Applicable t | o Remo | te Class | Instructor Professionally Experienced | |
| Elect | ives | ubjec | ts | | | 1 | | | | |
| Course I | | | | | | | | | | |
| | | | Ther | ne | | | Goals | oals | | |
| 1st Semeste1st QuarterCourse introduction, e-learning explanation. TOEIC Unit 1 | | | | | | TOEIC | Unders | tand the g e TOEIC p | goals and method of the course. practice. | |

| | | | Decemilaire | . | | 1 | | | | |
|-----------------------------|-------------|-----------|---|--|----------------|---|---------------------------------|-----------------------------|--|--|
| | | 2nd | etc.) TOEIC Unit 1 | ny profiles (produ | ucts, sales, | Understand company profiles. Effective TOEIC practice. | | | | |
| | | 3rd | Quiz; Researching TOEIC Unit 2 | a company and | products. | Understand hov Effective TOEIC | v to research a practice. | a company. | | |
| | | 4th | Making visual aids of profit. TOEIC Unit 2 | for PPT-1 Under | stand the role | Can make good visual aids. Understand profit. Effective TOEIC practice. | | | | |
| | | 5th | PPT-1 corrections, TOEIC Unit 3 | , practice. | | Can deliver the presentation smoothly. Effective TOEIC practice. | | | | |
| | | 6th | Deliver PPT-1 | | | Deliver the pres effectively. | entation smoo | othly, use visual aids | | |
| | | 7th | Summary and pre TOEIC Unit 4 | paration for the r | midterm exam. | Know all the vo TOEIC lessons; | cabulary and g Explain PPT-1 | rammar from the in writing. | | |
| | | 8th | Midterm exam | | | | | | | |
| | | 9th | Check answers an Midterm exam. TC | | es from the | Learn from mist Effective TOEIC | | lidterm exam. | | |
| | | 10th | Select and researd TOEIC Unit 5 | ch a new compan | у. | Conduct effective research. Effective TOEIC practice. | | | | |
| | 11th | | Research the com TOEIC Unit 6 | pany's foreign op | erations, | п | | | | |
| | 2nd | 12th | PPT-2 corrections, TOEIC Unit 7 | , practice. | | Can deliver the Effective TOEIC | presentation s practice. | smoothly. | | |
| | Quarter | 13th | Deliver PPT-2 | | | Deliver the presentation smoothly, answer questions effectively. | | | | |
| | | 14th | Summary and pre TOEIC Unit 7 | pare for the Final | l exam. | Know all the vocabulary and grammar from the TOEIC lessons; Explain PPT-2 in writing. | | | | |
| | | 15th | (Final exam) | | | | | | | |
| | | | Check answers an Midterm exam. Su strategies. | | | Learn from mistakes on the Midterm exam. Plan for future English learning. | | | | |
| Evaluatio | n Metl | hod and V | Veight (%) | | | | | | | |
| | Examination | | Presentation | Mutual Evaluations between students | Behavior | Portfolio | Other | Total | | |
| Subtotal | 50 |) | 30 | 0 | 0 | 0 | 20 | 100 | | |
| Basic Proficiency | 50 |) | 30 | 0 | 0 | 0 | 20 | 100 | | |
| Specialized Proficiency | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Cross Area Proficiency 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | | |

| Tsuyama C | ollege | Year | 2021 | - | | | Course Title | Theor Cultur | ry of International re | |
|---|--|--|---|--|--------------------------------|---|--|----------------------|--|--|
| Course Informat | ion | | | | | | | | | |
| Course Code | 0010 | | | | Course Cate | gory | General | / Electiv | e | |
| Class Format | Lecture | | | | Credits | | Academi | c Credit | : 2 | |
| Department | | ectronics and neering Cours | | ation | Student Gra | de | Adv. 1st | | | |
| Term | First Semest | er | | | Classes per Week 2 | | | | | |
| Textbook and/or Teaching Materials | Textbooks : | "No Text.(Use | e Printe | d) Referer | nce Book:"Ch | uugoki | ugoGakusu a | nd Ibun | karikai Handbook"(Alc) | |
| Instructor | SUGIYAMA A | kira | | | | | | | | |
| Course Objectives | | | | | | | | | | |
| Learning purposes : I abandon cultural pr future | rejudice and w | ill wear the a | ability th | at can con | tribute to inte | erchang | ge in the day | /time tha | at will develop more in | |
| Course Objectives : 1. I understand the © 2. I understand e 3. I can explain a c | existence of oth | ier culture an | nd wear | a viewpoir | nt to permit it | again | | | | |
| Rubric | E | L | | | | | | | Net e constabile | |
| | Excellen | | | ood | | Acce | otable | | Not acceptable | |
| Achievement 1 | unlike o permit i the coor | stand culture neself and I t and can hav peration with nsal heart | ve ur | understand nlike onese ermit it and | lf and I | unlike | understand culture nlike oneself and I ermit it and can do it. | | I understand culture unlike oneself and cannot permit it | |
| Achievement 2 | neighbo China, s circums think ab and Japa | and culture of ring country ocial cances and ca out the Japar anese though nat you should | Tł w an ur nese ne nt, Cł | hrough a co ith Japan, i nderstand o eighboring hina, social rcumstance | I can culture of country | with unde neigh China | Through a comparison with Japan, I can understand culture of neighboring country China, social circumstances. | | I cannot understand culture of neighboring country China, social circumstances. | |
| Achievement 3 | thought | scribe a claim of the self wi and persuasiv | ith th | | be a claim, a ne self with | I can describe a claim, a thought of the self with passion. | | laim, a lf with | I cannot describe a claim, a thought of the self well. | |
| Assigned Depart | ment Objec | tives | | | | | | | | |
| Teaching Method | | | | | | | | | | |
| | General or S Field of learn | Specialized : C ling : Foreign l academic dis | n culture | 2 | e/Oriental His | story/C | hinese Philo | sophy/C | hinese Literature | |
| Outline | This class is study groups | with Educatic equivalent to s, etc., and a of a global per | o "(6) By also by c | attending | off-campus t g with the reg | raining gional | g, special lec community, | tures on students | advanced technology, s come to understand the | |
| Relationship with JABEE programs : The main goal of learning / education in this class is "(B) B-2", also "B-1" is involved. | | | | | | | d. | | | |
| | | | | | nodern circum | nstance | es in China w | vith trad | itional Chinese culture. I | |
| Style | conjunction | of the class: with the Chin | i : the class: I concentrate 15 weeks in first piriod. In one class, I lecture with one theme in th the Chinese culture. The examination enforces twice of examining it in the middle nd term end. I am going to impose two reports. | | | | | | | |
| | 70% of resu wear a view | Grade evaluation method : 70% of results of two times of examinations assume it 30% of specific gravity by two problem reports. I car wear a viewpoint the problem report understands Chinese and China society how long and to permit sense values different from oneself how, and it is just in a point of reference. | | | | | | | wo problem reports. I can ong and to permit sense of | |

| | | This is a including | ons on the en class that reo g both class ti utside of class | quires study outside of me and study outside | class hours. A t class time. Follo | total of w the i | 45 hours of the second | of study is ro s of the inst | equired per credit, ructor regarding | | |
|---|--|--|---|--|---------------------------------------|--|---|---|---|--|--|
| Notice | | Course a Paying a addition necessa | | ews about China and T and the point well, and | aiwan as prepai l attend it to rec | rations ceive th | learning to le authoriza | perform be ation of the | eforehand. In bachelor as it is a | | |
| | | Society | I (4th) | s : World History (1st y actice on International | | | , , , , | | | | |
| | Attendance advice : It is important to pay interest to the news and news such as a newspaper or TV to be always related to China. If tardy time is over 20 minutes, I assume it lack section handling. | | | | | | | | | | |
| Charact | eristics c | f Class / | ' Division ir | n Learning | | | | | | | |
| □ Active Learning □ Aided by ICT □ Applicable to Remote Class □ Instructor Professionally Experienced | | | | | | | | | tor Professionally ed | | |
| Elect | ive s | ubjec | ts | | | | | | | | |
| Course | Plan | | | | | 1 | | | | | |
| | | | Theme Goals | | | | | | | | |
| | | 1st | Why do yo le | arn China? | | | | | e Pekingology. | | |
| | | 2nd Geography and language, race I understand Chinese geography and language, race | | | | | | | | | |
| | | 3rd | China | history and Cultural Re | | I understand Chinese history of after the war and the actual situation of the Cultural Revolution. I understand the Chinese national consciousness | | | | | |
| | | 4th | The national families | consciousness and prir | nciple of whole | and w | hole familie | es principles | | | |
| | 1st Quarter | 5th | Sinocentrism | , Confucianism and Do | ke | I unde Doke. | erstand Sind | ocentrism, (| Confucianism and | | |
| | | 6th | Ethical view t the view of h historical per | that human nature is b uman nature as funda spective | asically evil, mentally good, | basica | lly evil and nentally go | the view of | at human nature is human nature as hinese historical | | |
| | | 7th | mid-term tes | t | | I confi conver | rm the und ntional lear | lerstanding ning conten | degree of Its. | | |
| 1st Semeste | | 8th | Return and c examination | ommentary of the mid | term | I supplement an insufficient part of the past learning understanding. | | | | | |
| r | | 9th | One-child pol | licy and the issue of ag | ing | I understand the one-child policy and issue of aging in China. I subscribe to references and make a problem report. | | | | | |
| | | 10th | Social polariz | ation | | I understand the difference problem that the China society has. | | | | | |
| | | 11th | Taiwan and H | Hong Kong | | I unde and Ta | | ory and situ | uation of Hong Kong | | |
| | 2nd | 12th | environmenta | al destruction | | I unde | erstand an e | environmen | tal problem of China. | | |
| | | 13th | Counterfeit b | rand | | I unde of viola | erstand cou ation of tra | nterfeit bra demark. | nd in China, the issue | | |
| | | 14th | The present of Subscription report | of the Chinese compan of references, making | y of the problem | lthe Ch | inese natio | articular the mal enterpr ake a probl | e current situation of ise. I subscribe to em report. | | |
| | | 15th | Term-end ex | amination | | I confi convei | rm the und ntional lear | lerstanding ning conten | degree of Its. | | |
| | | 16th | Return and c examination | ommentary of the tern | n-end | I supp learnir | lement an 1g understa | insufficient Inding. | part of the past | | |
| Evaluat | ion Meth | od and \ | Veight (%) | | | | | | | | |
| | | Examina | ation | Problem report | Assginment | | Quiz | | Total | | |
| Subtotal | | 70 | | 30 | 0 | | 0 | | 100 | | |
| Basic Prof | , | 70 | | 30 | 0 | | 0 | | 100 | | |
| Specialize Proficienc | ed Sy | 0 | | 0 | 0 | | 0 | | 0 | | |
| Cross Area Proficiency 0 0 | | | | | 0 | | 0 | | 0 | | |

| Tsuyama Co | ollege | Year | 202 | 21 | | | Course Title | | ods of Scientific riments |
|---|--|--|----------------------------|--|--|---------------------------------|--|---|--|
| Course Informati | on | | | | | | | | |
| Course Code | 0001 | | | | Course Cate | gory | Specia | lized / Ele | ctive |
| Class Format | Lecture | | | | Credits | | Acader | nic Credit | :: 2 |
| Department | System Engi | ectronics and neering Cours | | mation | Student Grad | | | st | |
| Term | First Semest | er | | | Classes per \ | Neek | 2 | | |
| Textbook and/or Teaching Materials | Textbooks : | Introduction 1 | to the | Daguchi Me | thod" by Kazı | io Tat | ebayashi (. | JUSE) | |
| Instructor | YAMAGUCHI | Daizo,KAWA | I Masa | ahiro | | | | | |
| Course Objectives | | | | | | | | | |
| Learning purposes : Students will learn about the Taguchi Method, a technique developed from the Design of Experiments, in order to be able to carry out appropriate and reliable experiments and develop techniques. | | | | | | | | | |
| Course Objectives : 1. Understand the ro 2. Understand the co 3. To understand the | le and concep ncept and exp parameter de | t of paramete lain the proce esign in the te | er desi edure echnol | gn and be al of paramete ogy develop | ble to explain er design of dy ment stage. | the p /nami | rocedure. c character | istics. | |
| Rubric | | | | | | | | | |
| | Excellen | t | | Good | | Acce | ptable | | Not acceptable |
| Achievement 1 | concept design a | and the role a of parameter and be able to the procedure | r | Understand t concept of p design and it procedures. | arameter | conc desig | erstand the ept of para on and its p the mater | meter procedures | Not reached the left column. |
| Achievement 2 | of paran dynamic | and the conce neter design o c characteristi able to explain redure. | of ics | Understand t and procedu parameter d dynamic cha | re of esign of | and para dyna by lo | Understand the concept and procedure of parameter design of Not | | Not reached the left column. |
| Achievement 3 | | and the er design in t ogy developm | the nent | parameters a | levelopment | advid the c in th deve | erstand, wit ce of a supe design of pa e technolog lopment pl ng at the n | ervisor, arameters gical nase, | Not reached the left column. |
| Assigned Departi | ment Obiec | tives | | | | | | | |
| Teaching Method | | | | | | | | | |
| reaching riceroe | | pecialized : S | Special | ized | | | | | |
| | | ning : Basic ar | • | | al Sciences | | | | |
| | Foundationa | l academic dis | sciplin | es : | | | | | |
| Outline | Relationship This cl | with Education ass is equival | onal O lent to | bjectives : (1) Cultiva | te human cre | ative | talent, rich | in practic | al abilities". |
| | Relationship The m | with JABEE p ain goals of le | orogra earnin | ms : g / educatio | n in this class | are " | (A), A-1, al | so "A-2" a | and "A-3" is involved. |
| | Course outline : In the natural sciences, where demonstration and reproducibility are important, experimentation is one of the most important means of natural cognition. In this course, students will learn about the Taguchi Method, a technique that evolved from the Design of Experiments method, in order to be able to carry out appropriate and reliable experiments and to develop techniques. Course method : Lectures will be based on the textbook. Exercises will be given on the computer as students | | | | | | | | |
| | Course meth progress to a | lod : Lectures deepen their (| s will b unders | be based on t standing. | the textbook. | Exerc | cises will be | e given on | the computer as students |
| Style | (1) Distribut (2) Evaluatio | ation method ion of marks: on criteria: Stu n the achieve | Exam | nination (repo s will be eval objectives a | ort method) 1 luated on the nd their basic | 00%. basis appli | of their ba cation. 60 | sic conter points or | it and understanding of the more is a passing score. |
| (3) Re-examination: Students who score less than 60 points will be re-examined if the teacher deems it necessary. | | | | | | | | | the teacher deems it |

| | | In ad | tions on the enrollm dition to the 15 created to follow the inst | dit hours per crea | dit, students are ceachers regardi | e required to study ng these studies. | / 30 credit hours | . Students are | | | |
|--|---------------|-------------------------|---|---------------------------------------|---|--|--|----------------------------------|--|--|--|
| | | Stude some t | hat are not their ow | n. It is essential | that students pr | knowledge in a wide range of fields, including epare for the course by studying and reviewing, nent and quality control. | | | | | |
| Notice | | Founda | tional subjects : Ex | periments and gr | aduation theses | in the departmer | nt (2nd-5th year | s). | | | |
| | | Speci Electro | subjects : al Study on Mechar nic and Information Systems Engineerii | Systems Engine | ering I, II (1st a | nd 2nd), Special I | Experiment on M | lechanical and | | | |
| Attendance advice : In the lectures, various examples of case studies will be given so that students can learn how to think about them. Late arrival after 15 minutes from the start of a credit hour will result in an absence from class. Characteristics of Class / Division in Learning | | | | | | | | | | | |
| Charact | eristic | s of Class | / Division in Lea | arning | | | | | | | |
| ☑ Active | | • | ☑ Aided by ICT | Г | ☑ Applicable t | o Remote Class | ☑ Instructor P Experienced | rofessionally | | | |
| Elect Course | | subje | cts | | | | | | | | |
| Course | | | Theme | | | Goals | | | | | |
| | | 1st | Guidance, Chap1 s | | | To be able to un | derstand engine | ered systems. | | | |
| | | 2nd | Chap2 Introductio outside class time | n to Parameter D | Design 1 (Study | Be able to under procedures of pa | stand the role, c | oncepts and | | | |
| | | 3rd | Chap2 Introductio outside class time | n to Parameter D | Design 2 (Study | Be able to under parameter designed | stand examples n. | of desirable | | | |
| | 1-+ | 4th | Chap3 Parameter characteristics 1 (Assignment (3) Ch | Study outside cla | ic ss time: | Understand the oparameter design | Understand the concept and procedure of parameter design of dynamic characteristics. | | | | |
| | 1st Quarte | r 5th | Chap3 Design of k outside class time | (inetic parameter : Assignment (3) | s 2 (Study Chap3) | Be able to under characteristics ar noise ratio. | stand the types nd how to calcula | of dynamic ate the signal-to- | | | |
| | | 6th | Chap 4: Paramete development phas Assignment (4) Ch | se 1 (Study outsid | echnology de class time: | Be able to under by objective fund | | | | | |
| | | 7th | Chap 4: Paramete development phas Assignment (4) Ch | se 2 (Študy outsid | echnology de class time: | Be able to understand examples of parameter design with basic functions. | | | | | |
| 1st | | 8th | 1st semester mid- | term exam | | | | | | | |
| Semeste r | | 9th | Chap5 Parameter Chap6 Parameter cannot be measur Assignment (5 and | design when inpo ed (Study outside | ut/output e class time: | Be able to understand an example where the goal is to have a non-linear relationship between inputs and outputs. Understand the parameter design using the dynamic functional window method. | | | | | |
| | | 10th | Chap7 Designing p output cannot be time: Assignment | measured (Study | input and outside class | Be able to understand software debugging using orthogonal tables. | | | | | |
| | | 11th | Chap8 Loss function class time: Assign | on and its use 1 (| (Study outside | Be able to under systems using lo | stand the tolerai | nce design of | | | |
| | 2nd Quarte | r 12th | Chap8 Loss function class time: Assign | | (Study outside | Be able to under desirability and c | | | | | |
| | | 13th | Chap9 MT System Assignment (9) Ch | 1 (Study outside | e class time: | Be able to under challenges of and | stand the conception of the stand the stand the standard standard standard standard standard standard standard s | ot and technical tion. | | | |
| | | 14th | Chap9 MT System Assignment (9) Ch | 2 (Study outside | e class time: | Be able to under distance in MT sy | | Mahara's bis | | | |
| | | 15th | Chap10 Taguchi M Process Reform (S Assignment (10) (| opment ss time: | Explain the problems with current development methods and the status and results of organisational use of the Taguchi Method. | | | | | | |
| | | 16th | Summary | | | | | | | | |
| Evaluati | ion Me | thod and | | | | | | | | | |
| | | Examination (Report) | Portfolio | Other | Total | | | | | | |
| Subtotal | : | 100 | 0 | students 0 | 0 | 0 | 0 | 100 | | | |
| Basic Proficienc | y! | 50 | 0 | 0 | 0 | 0 | 0 | 50 | | | |
| Specialize Proficienc | ed 1 | 50 | 0 | 0 | 0 | 0 | 0 | 50 | | | |
| Cross Are Proficienc | a (|) | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | | | | | | | | | | |

| Tsuyama | Tsuyama College Year 2021 | | | Course Title | Techr | nical English Reading | | | |
|---|---|---|---|--|--|---|---|---|--|
| Course Informa | ation | | | i | | i | | | |
| Course Code | 0002 | | | Course Cate | gory | bry Specialized / Elective Academic Credit: 2 | | | |
| Class Format | Lecture Advanced El | ectronics and | Information | Credits | | | | | |
| Department | System Engi First Semest | neering Cours | e | Student Grad | | | | | |
| Term Textbook and/or | プロント配布 | | | | WEEK | 2 | | | |
| Teaching Materials Instructor | KATORI Shid | | | | | | | | |
| Course Objectiv | | Jetaka | | | | | | | |
| 1.工業英語論文を読 2.現在進めている研 3.英語で発表を行う | みその技術内容を 究内容を工業英語 | 論文としてまと | とめる力を養う。 | | | | | | |
| Rubric | | / / | | | | | | | |
| | | | | | 可 | | | 不可 | |
| 評価項目1 | 術内容の | 論文を読みその ポイントを把握 纏めて報告でき | 曇し │術内容のポイ | てを読みその技 イントを把握し って報告できる | 術内容(| 吾論文を読み のポイントを て報告できる | 把握し | 工業英語論文の読解力が不 十分で内容を説明できない 。 | |
| 評価項目2 | 自分の研 論文とし 力を有し | 院内容を工業英 に簡潔にまとめ ている。 | | 容を工業英語 とめる力を有 | | 研究内容を的 とめることか | | 自分の研究内容を英文でま とめることができない。 | |
| 評価項目3 | 単語を用 | 究内容を技術的 いて正確かつ簡 発表することカ | | 1容を技術的な 正確に英語で ができる。 | 自分の研 語で発表。 | 开究内容を的 長することか | 回確な英 ぶできる | 自分の研究内容を英語で発 表することができない。 | |
| Assigned Depa | | tives | | | | | | | |
| Teaching Metho | od | | | | | | | | |
| | 基礎となる学 | 問分野: | | | | | | | |
| Style | 専攻通知 専攻派 専攻必 専攻必 研究 ア 国辺の ボテに ジカの フン 術デに ジカの アン 新シーに のは アン ア 日辺 ア 日辺 ア 日辺 ア 日辺 <tr< td=""><td>標発をに 口能」 グ位材 前内 : : いて が 、 : : いて : : : : : : : : : : : : :</td><td> 表し,他の研究者 福山,山(東京本) 本村術 -3:拉 本技術 -3:拉 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)</td><td>やる。 とのの 、 も る る 国 で あ る 国 で あ る 国 で あ る に に 英 語 で た る に に 英 語 で た る 国 で の の の の や の の の や の の の の の の の の の の</td><td>流 育英 て力 基バ 」修 に 償 磁 通 達 で ユカ 様 相 あつい 都 気 に て 気 の し し し で に て れ 気 気</td><td>て、フレセ 標は「(F- 学た) でののるた でののの。 でののの。 でののので い でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でのの。 でのの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でのののの。 でのののの。 でのののの。 でのののの。 でのののの。 でののののの。 でののののののの。 でのののののののののの</td><td>ン)シ にの 一得ケ 一時教 こ , テ コヨ とも , 一 間員 と 情 ヨシ っの 基シ と何。。報 報</td><td>3,4),電子工学(電気電子</td></tr<> | 標発をに 口能」 グ位材 前内 : : いて が 、 : : いて : : : : : : : : : : : : : | 表し,他の研究者 福山,山(東京本) 本村術 -3:拉 本技術 -3:拉 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) | やる。 とのの 、 も る る 国 で あ る 国 で あ る 国 で あ る に に 英 語 で た る に に 英 語 で た る 国 で の の の の や の の の や の の の の の の の の の の | 流 育英 て力 基バ 」修 に 償 磁 通 達 で ユカ 様 相 あつい 都 気 に て 気 の し し し で に て れ 気 気 | て、フレセ 標は「(F- 学た) でののるた でののの。 でののの。 でののので い でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でのの。 でのの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でのののの。 でのののの。 でのののの。 でのののの。 でのののの。 でののののの。 でののののののの。 でのののののののののの | ン)シ にの 一得ケ 一時教 こ , テ コヨ とも , 一 間員 と 情 ヨシ っの 基シ と何。。報 報 | 3,4),電子工学(電気電子 | |
| Notice | 専てにコ 技ン的 要なん、ン 術テに 料須研能 者ーは のは説 の人 評上 上刻の 御吉 板 のは説 の人 評上 上刻の 御吉 振 のは説 の人 部 上刻の 一日 一日 の 小田 日 第 の 小田 の シー | 標発をに 口能」 グ位材 前内 :: : り イ 科ど バ 1時 関力なる ム育関 バけて 基英 書 目時 英 年 : 欠論 した 一つし はを 告科5 : : 4 和 りので した 一つし はを 告科5 : : 4 和 ので 一つし はを 告科5 : : 4 和 ので 一つし に 支 礎語 5 [切 新 履 <i>僕</i> 定 うので した 数 で 授席 理 ので 一つし に して した ま で 授席 間 がる力 | 表し,他の研究者 満相当する科術であ 小さ、本技術 -3:技術 小さ、本技術 ふ、速、工業成本 た、は進座は た、は進座は た、して、 た、して、 た、 <l< td=""><td>やる。 とのの 、 も る る 国 で あ る 国 で あ る 国 で あ る に に 英 語 で た る に に 英 語 で た る 国 で の の の の や の の の や の の の の の の の の の の</td><td>流 育英 て力 基バ 」修 に 償 磁 通 達 で ユカ 様 相 あつい 都 気 に て 気 の し し し で に て れ 気 気</td><td>て、フレセ 標は「(F- 学た) でののるた でののの。 でののの。 でののので い でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でのの。 でのの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でのののの。 でのののの。 でのののの。 でのののの。 でのののの。 でののののの。 でののののののの。 でのののののののののの</td><td>ン)シ にの 一得ケ 一時教 こ , テ コヨ とも , 一 間員 と 情 ヨシ っの 基シ と何。。報 報</td><td>ション能力やコミュニケーシ ニケーション能力、プレゼ できること」であるが、付随 英語の読解力、作文力、会 、工学分野の英語論文、英 一 単語の修得を図る。後半で シカの向上を図る。 業時間外の学修を合わせて 示に従うこと。</td></l<> | やる。 とのの 、 も る る 国 で あ る 国 で あ る 国 で あ る に に 英 語 で た る に に 英 語 で た る 国 で の の の の や の の の や の の の の の の の の の の | 流 育英 て力 基バ 」修 に 償 磁 通 達 で ユカ 様 相 あつい 都 気 に て 気 の し し し で に て れ 気 気 | て、フレセ 標は「(F- 学た) でののるた でののの。 でののの。 でののので い でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でのの。 でのの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でののの。 でのののの。 でのののの。 でのののの。 でのののの。 でのののの。 でののののの。 でののののののの。 でのののののののののの | ン)シ にの 一得ケ 一時教 こ , テ コヨ とも , 一 間員 と 情 ヨシ っの 基シ と何。。報 報 | ション能力やコミュニケーシ ニケーション能力、プレゼ できること」であるが、付随 英語の読解力、作文力、会 、工学分野の英語論文、英 一 単語の修得を図る。後半で シカの向上を図る。 業時間外の学修を合わせて 示に従うこと。 | |
| Style Notice <u>Characteristics</u> | 専攻公研能 オマンの 専攻必رにコン ボテに 朝辺(ホ)カ オシン 日田田 アン ガン ボテに 愛び(に) アン ガン ガシン 日田 アン 夏田 アン 夏辺(た) アン ガン ア 夏辺(た) アの ガン ア 夏辺(た) アの ガン ア 夏辺(た) ア 夏辺(た) <td< td=""><td>標発をに 同能 一 の 開力 に て に し で し の に て し の に て し の た の し つ づ 力 た に し 一 づ し し に て 一 づ し し に て 一 づ し し に て 一 づ し し に て 一 づ し し に て 一 づ し し に て 一 づ し し に て 一 づ し し に て 一 づ し し に て 一 づ し し に て 一 づ し し に て 一 づ し し に て 一 づ し し に て 一 づ し し に て 一 づ し し に て 一 づ し し に て 一 づ し し に て 一 づ し し に て 一 づ し し に 支 二 二 い に て 一 づ し し に 支 二 二 い に て 一 づ し し に 支 二 二 い に つ 一 づ し し に 支 二 二 い に つ 一 づ し し に 支 二 二 二 い に つ づ し に 支 二 二 二 一 づ し し に 支 二 二 い に う 、 4 二 に う 「 づ い に う し こ 、 ろ 「 つ の 、 ろ ー づ い に う 、 ろ 、 ろ つ の で 二 に つ の つ つ の 一 つ の 、 ろ ー つ の つ つ つ つ つ つ つ つ つ つ つ つ つ</td><td> 表し,他の研究者者 満日 福当する科目であ 小意本講座 小前者に必須 小道座は技術す。 一支に進座は見指す。 一支にである。 一支にたち、発気の学るる。 一支できるよう の日期時間外の の日期にの開始の の目がの </td><td>やる。 との 代語 である のの 代語 である である である である である である である である</td><td>流 育英 てカ 基バ 」修 に 気 の 复こ 通 達 に すり 構相 あついれ 気 のよう みんしょう しょう しょう しょう しょう しょう しょう しょう しょう しょう</td><td>、て、フレセ 「マレセ」「「ケー」」」 「マレー」」 「マレー」 「マロ」 「 「マロ」 「マロ」 「マロ」 「 「 「 「 「 「 「 「 「 「 「 「 「</td><td>ン)シ にの 得ケ 時教 こ , 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、</td><td>マヨン能力やコミュニケーシ ニケーション能力、プレゼ できること」であるが、付照 支語の読解力、作文力、会 で、工学分野の英語論文、英 単語の修得を図る。後半で コンカの向上を図る。 業時間外の学修を合わせて 気に従うこと。 3,4)、電子工学(電気電子 入室してきた者は遅刻とする なければならない。研究内容 する質問を積極的に行うこ structor Professionally</td></td<> | 標発をに 同能 一 の 開力 に て に し で し の に て し の に て し の た の し つ づ 力 た に し 一 づ し し に て 一 づ し し に て 一 づ し し に て 一 づ し し に て 一 づ し し に て 一 づ し し に て 一 づ し し に て 一 づ し し に て 一 づ し し に て 一 づ し し に て 一 づ し し に て 一 づ し し に て 一 づ し し に て 一 づ し し に て 一 づ し し に て 一 づ し し に て 一 づ し し に て 一 づ し し に て 一 づ し し に 支 二 二 い に て 一 づ し し に 支 二 二 い に て 一 づ し し に 支 二 二 い に つ 一 づ し し に 支 二 二 い に つ 一 づ し し に 支 二 二 二 い に つ づ し に 支 二 二 二 一 づ し し に 支 二 二 い に う 、 4 二 に う 「 づ い に う し こ 、 ろ 「 つ の 、 ろ ー づ い に う 、 ろ 、 ろ つ の で 二 に つ の つ つ の 一 つ の 、 ろ ー つ の つ つ つ つ つ つ つ つ つ つ つ つ つ | 表し,他の研究者者 満日 福当する科目であ 小意本講座 小前者に必須 小道座は技術す。 一支に進座は見指す。 一支にである。 一支にたち、発気の学るる。 一支できるよう の日期時間外の の日期にの開始の の目がの | やる。 との 代語 である のの 代語 である である である である である である である である | 流 育英 てカ 基バ 」修 に 気 の 复こ 通 達 に すり 構相 あついれ 気 のよう みんしょう しょう しょう しょう しょう しょう しょう しょう しょう しょう | 、て、フレセ 「マレセ」「「ケー」」」 「マレー」」 「マレー」 「マロ」 「 「マロ」 「マロ」 「マロ」 「 「 「 「 「 「 「 「 「 「 「 「 「 | ン)シ にの 得ケ 時教 こ , 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、 | マヨン能力やコミュニケーシ ニケーション能力、プレゼ できること」であるが、付照 支語の読解力、作文力、会 で、工学分野の英語論文、英 単語の修得を図る。後半で コンカの向上を図る。 業時間外の学修を合わせて 気に従うこと。 3,4)、電子工学(電気電子 入室してきた者は遅刻とする なければならない。研究内容 する質問を積極的に行うこ structor Professionally | |
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| | | 6th | 技術英語の基本修 | 得および科学英文 | 文の輪読ら | 工業英語論文 ,報告できる | てを読みその技術内容 る。 | ^{客のポイントを把握し} | | |
| | | 7th | 技術英語の基本修 | 得および科学英文 | 文の輪読⑥ | | 工業英語論文を読みその技術内容のポイントを把握し , 報告できる。 | | | |
| | | 8th | 英語論文の輪読お | よび研究内容の話 | 倫文化 | 工業英語論文 , 報告できる ができる。 | てを読みその技術内容 5。自分の研究内容を | 系のポイントを把握し と英文でまとめること | | |
| | | 9th | 英語論文の輪読お | よび研究内容の話 | 俞文化 | 工業英語論文 , 報告できる ができる。 | てを読みその技術内容 る。自分の研究内容を | 系のポイントを把握し と英文でまとめること | | |
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| | | 11th | 英語論文の輪読お | よび研究内容の話 | 侖文化 | | | 客のポイントを把握し と英文でまとめること | | |
| | 2nd Quarter | 12th | 英語論文の輪読お | よび研究内容の話 | 侖文化 | 工業英語論文 , 報告できる ができる。 | てを読みその技術内容 る。自分の研究内容を | 系のポイントを把握し と英文でまとめること | | |
| | | 13th | 英語による研究内 | 容の発表① | | 自分の研究内 。 | 回容を英語で発表資料 | 科にすることができる | | |
| | | 14th | 英語による研究内 | 喀の発表② | | 自分の研究内 | 自分の研究内容を英語で発表資料にすることができる。 | | | |
| | | 15th | 英語による研究内 | 溶の発表③ | | 自分の研究内 | 自分の研究内容を英語で発表資料にすることができる。 | | | |
| | | 16th | | | | | | | | |
| Evaluat | ion Meth | od and | Weight (%) | | | | | | | |
| | 試馬 | | 発表・演習 | 相互評価 | 自己評価 | 課題 | 小テスト | Total | | |
| Subtotal | 0 | | 50 | 0 | 0 | 50 | 0 | 100 | | |
| 基礎的能力 | <u>カ 0</u> | | 0 | 0 | 0 | 0 | 0 | 0 | | |
| 専門的能力 | <u>カ 0</u> | | 50 | 0 | 0 | 50 | 0 | 100 | | |
| | | | | | | | 0 | | | |

| Tsuyama Co | ollege | Year | 2021 | L | | | Cours Title | | | al Aspects of eering I |
|--|---|--|--|---|---|-----------------------------|---|---------------------------|----------------------------|--|
| Course Information | on | | | | | | | | | - |
| Course Code | 0003 | | | | Course Cate | gory | Spe | cialize | ed / Elec | tive |
| Class Format | Lecture | | | | Credits | | Academic Credit: 2 | | 2 | |
| Department | | ectronics and neering Cours | | ation | Student Grad | de | e Adv. 1st | | | |
| Term | Intensive | | | | Classes per V | Week | | | | |
| Textbook and/or Teaching Materials | Textbook: As | s requested by | y the st | tudent | | | | | | |
| Instructor | TERAMOTO T | Fakayuki | | | | | | | | |
| Course Objective | | | | | | | | | | |
| Learning purposes : (1) When students from other educational institutions wish to enroll in a JABEE-compliant technical education program, they can make up the credits they have earned prior to enrollment that cannot be approved as courses at the school. (2) To supplement the specialized knowledge and abilities of students who have entered a major that differs from their original major from other educational institutions, and to promote effective learning in the major course. Course Objectives : 1. To deepen the basic knowledge and skills related to the major. 2. To be able to use the knowledge obtained for study and research in the major. | | | | | | | | | | |
| Rubric | ne knowledge | | Study a | | | . וכ | | | | |
| | Excellen | t | G | ood | | Acce | ptable | | | Not acceptable |
| Achievement 1 | To be at systema understa knowled academi and to a | ole to | fic dy ring di | o be able to ystematical nderstand t nowledge o iscipline and ngineering roblems an | ly the basic if a specific d to apply skills to | The to ap and a sp | student oply basi engineer ecific diso lems and | c kno ring s ciplin | wledge kills in e to | Cannot apply basic knowledge and engineering skills in a specific discipline to a problem. |
| Achievement 2 | issues au integrati knowled engineeu been lea to consid | ble to tackle nd problems b ng the variou ge of specializ ring that has rined so far, a der the impac ge on society | and and and and and and and and and and | o be able to nd develop nowledge o pecialized s cudied so fa pply it to pr sues. | the f the ubjects | knov spec stud | e able to vledge of ialized su ied so fa lems and | f the ubjec r to | ts | Cannot apply the knowledge of the specialized subject studied so far to problems. |
| Assigned Departr | | | | | | | | | | |
| Teaching Method | | | | | | | | | | |
| j | General or S | pecialized : S | pecializ | ed | | | | | | |
| | Field of learn | ing : Commo | on and h | basic natura | al sciences | | | | | |
| | | 5 | | | | l and | Electron | ic Eng | gineering | g/Electronic Devices and |
| | Relationship in practical a | | onal Ob <u>i</u> | jectives :Tł | nis class is equ | uivale | nt to "(1 | L) Cul | tivate hı | uman creative talent, rich |
| Outline | Relationship basic knowle | with JABEE p dge of techno | orogram ology, A | is :The mai ג-2", also "א | in goals of lea A-1" is involve | irning ed. | / educat | tion ii | n this cla | ass are "(A)Deepening of |
| | Course outline :This class is designed for students who entered the major from other educational institutions for the following purposes. This course does not count as a credit toward completion of the major. (1) In order for students from other educational institutions to become enrolled in JABEE-compliant technical education programs, all credits earned prior to enrollment will be reviewed for content equivalence with courses offered by the school. At this time, credits that cannot be approved as JABEE courses will be matched to JABEE courses. (2) Courses are designed to supplement the specialized knowledge and abilities of students who have enrolled in a major that differs from their original major from other educational institutions in order to effectively advance their studies in the major course. The content of the courses will be determined in consideration of the departments and courses taken before admission. Course method : The content of study will be determined according to the student's educational institution | | | | | | | | | |
| Style | and past stue will be check | dy. Since the ed as we proo | classes ceed. In | s are one-or n order to o | n-one, studen deepen their ι | nts' ba under | isic acad | emic | skills an | educational institution d level of understanding ll be required to practice |
| | problems and write reports to acquire comprehensive skills. Grade evaluation method : Adopt an appropriate evaluation method according to the student and content. | | | | | | | | | |

| | Precautions on the enrollment : Students who have entered the major from other educational institutions and who fall under the categories (1) and (2) described in the course outline must take this course. This course does not count as a credit toward completion of the major. In addition, this course is a "subject requiring study outside class hours. A total of 45 hours of study is required per credit, including both class time and study outside class time. Follow the instructions of the instructor regarding study outside of class hours. | | | | | | | | | | | |
|--------------|--|--|---|--------------------------------|--------------------------------|--|--|--|--|--|--|--|
| Notice | | expecte receive (NIAD), Course keeping | Course advice : This subject is the most important main subject in the major. Therefore, students are expected to take the initiative in all aspects and do their best. In addition, in the second year, when students receive a bachelor's degree from the National Institution for Academic Degrees and University Evaluation (NIAD), they are required to submit a "Master's Course Plan" and a "Summary of the Results of the Master's Course". In addition to the above, it is necessary for the students to proceed with their research activities keeping in mind that the contents of the special research will be the basis for all of these. In addition, students are required to submit a research record at the end of the first and second semesters. | | | | | | | | | |
| | | Founda | oundational subjects : All subjects | | | | | | | | | |
| | | Related | subjects : General subjects to be st | udied in the ma | ajor | | | | | | | |
| | Attendance advice : This subject is the most important main subject in the major. Therefore, students are expected to take the initiative in all aspects and do their best. In addition, in the second year, when student receive a bachelor's degree from the National Institution for Academic Degrees and University Evaluation (NIAD), they are required to submit a "Master's Course Plan" and a "Summary of the Results of the Master's Course". In addition to the above, it is necessary for the students to proceed with their research activities keeping in mind that the contents of the special research will be the basis for all of these. In addition, students are required to submit a research record at the end of the first and second semesters. | | | | | | | | | | | |
| Charact | eristics | of Class | / Division in Learning | | | | | | | | | |
| Active | Learning | | □ Aided by ICT | Applicable t | to Remote Class | Instructor Professionally Experienced | | | | | | |
| Course | Dlan | | | | | | | | | | | |
| Course | | | Theme | | Goals | | | | | | | |
| | | 1st | The course will be offered in special that need to be supplemented, if ne interviewing the student. | lized areas ecessary, after | Set content-appro | opriate goals. | | | | | | |
| | | 2nd | The course will be offered in special that need to be supplemented, if ne interviewing the student. | | Set content-appro | opriate goals. | | | | | | |
| | | 3rd | The course will be offered in special that need to be supplemented, if ne interviewing the student. | | Set content-appro | opriate goals. | | | | | | |
| | 1st | 4th | The course will be offered in special that need to be supplemented, if ne interviewing the student. | lized areas ecessary, after | Set content-appro | opriate goals. | | | | | | |
| | Quarter | 5th | The course will be offered in special that need to be supplemented, if ne interviewing the student. | | Set content-appro | opriate goals. | | | | | | |
| | | 6th | The course will be offered in special that need to be supplemented, if ne interviewing the student. | | Set content-appro | opriate goals. | | | | | | |
| | | 7th | The course will be offered in special that need to be supplemented, if ne interviewing the student. | | Set content-appropriate goals. | | | | | | | |
| 1st | | 8th | The course will be offered in special that need to be supplemented, if ne interviewing the student. | lized areas ecessary, after | Set content-appro | opriate goals. | | | | | | |
| Semeste r | | 9th | The course will be offered in special that need to be supplemented, if ne interviewing the student. | | Set content-appro | opriate goals. | | | | | | |
| | | 10th | The course will be offered in special that need to be supplemented, if ne interviewing the student. | lized areas ecessary, after | Set content-appro | opriate goals. | | | | | | |
| | | 11th | The course will be offered in special that need to be supplemented, if ne interviewing the student. | lized areas ecessary, after | Set content-appro | opriate goals. | | | | | | |
| | 2nd | 12th | The course will be offered in special that need to be supplemented, if ne interviewing the student. | | Set content-appro | opriate goals. | | | | | | |
| | Quarter | 13th | The course will be offered in special that need to be supplemented, if ne interviewing the student. | | Set content-appro | opriate goals. | | | | | | |
| | | 14th | The course will be offered in special that need to be supplemented, if ne interviewing the student. | lized areas ecessary, after | Set content-appro | opriate goals. | | | | | | |
| | | 15th | The course will be offered in special that need to be supplemented, if ne interviewing the student. | lized areas ecessary, after | Set content-appro | opriate goals. | | | | | | |
| | | 16th | The course will be offered in special that need to be supplemented, if ne interviewing the student. | | Set content-appro | opriate goals. | | | | | | |
| 2nd | 2 | 1st | | | | | | | | | | |
| Semeste | 3rd Quarter | 2nd | | | | | | | | | | |
| 11 | 1 | 3rd | | | 1 | | | | | | | |

| | | 4th | | | | | | |
|--------------------------|---------------|-------------|--------------|--|----------|-----------|-------|-------|
| | | 5th | | | | | | |
| | | 6th | | | | | | |
| | | 7th | | | | | | |
| | | 8th | | | | | | |
| | | 9th | | | | | | |
| | | 10th | | | | | | |
| | | 11th | | | | | | |
| | 4th | 12th | | | | | | |
| | Quarte | r 13th | | | | | | |
| | | 14th | | | | | | |
| | | 15th | | | | | | |
| | | 16th | | | | | | |
| Evaluati | <u>ion Me</u> | ethod and V | Veight (%) | | | T | r | |
| | | Examination | Presentation | Mutual Evaluations between students | Behavior | Portfolio | Other | Total |
| Subtotal | | 0 | 0 | 0 | 0 | 0 | 100 | 100 |
| Basic Proficienc | У | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Specialize Proficienc | ed y | 0 | 0 | 0 | 0 | 0 | 100 | 100 |
| Cross Are Proficienc | a y | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Tsuyama Co | ollege | Year | 202 | 1 | | | Cour Title | | | al Aspects of eering II |
|--|---|--|-------------------|---|------------------------------------|----------------------|--|-------------------------|------------|---|
| Course Information | on | | · | | | | | | | |
| Course Code | 0004 | | | | Course Cate | gory | Spe | cializ | ed / Elec | ctive |
| Class Format | Lecture | | | | Credits | | Academic Credit: 2 | | 2 | |
| Department | | ectronics and neering Cours | | nation | Student Grad | de | e Adv. 1st | | | |
| Term | Intensive | | | | Classes per V | Week | | | | |
| Textbook and/or Teaching Materials | Textbook: As | s requested b | by the | student | | | | | | |
| Instructor | TERAMOTO T | Fakayuki | | | | | | | | |
| Course Objective | | | | | | | | | | |
| Learning purposes : (1) When students from other educational institutions wish to enroll in a JABEE-compliant technical education program, they can make up the credits they have earned prior to enrollment that cannot be approved as courses at the school. (2) To supplement the specialized knowledge and abilities of students who have entered a major that differs from their original major from other educational institutions, and to promote effective learning in the major course. Course Objectives : 1. To deepen the basic knowledge and skills related to the major. 2. To be able to use the knowledge obtained for study and research in the major. | | | | | | | | | | |
| Rubric | ne knowledge | | Study | | | | | | | |
| | Excellen | t | 6 | Good | | Acce | ptable | | | Not acceptable |
| Achievement 1 | ment 1 understand the basic understand the basic understand the basic knowledge in a specific knowledge of a specific and engineering skills in engineering sk | | | | | | Cannot apply basic knowledge and engineering skills in a specific discipline to a | | | |
| Achievement 2 | issues au integrati knowled engineeu been lea to consid | ble to tackle nd problems l ng the variou ge of specializ ring that has rined so far, a der the impac ge on society | and st of | To be able to and develop knowledge o specialized s studied so fa apply it to pr ssues. | the f the ubjects | knov spec stud | e able to vledge o ialized s ied so fa ilems an | f the ubjec ar to | ts | Cannot apply the knowledge of the specialized subject studied so far to problems. |
| Assigned Departr | | | | | | | | | | |
| Teaching Method | | | | | | | | | | |
| <u>J</u> | General or S | pecialized : S | Speciali | ized | | | | | | |
| | Field of learn | ing : Commo | on and | basic natura | al sciences | | | | | |
| | | 5 | | | | l and | Electron | iic Eng | gineering | g/Electronic Devices and |
| | Relationship in practical a | | onal O | bjectives :Tł | nis class is equ | uivale | ent to "(1 | L) Cul | tivate hı | uman creative talent, rich |
| Outline | Relationship basic knowle | with JABEE p dge of techno | orograi ology, | ms :The mai A-2", also "/ | in goals of lea A-1" is involve | rning ed. | / educa | tion i | n this cla | ass are "(A)Deepening of |
| | Course outline :This class is designed for students who entered the major from other educational institutions for the following purposes. This course does not count as a credit toward completion of the major. (1) In order for students from other educational institutions to become enrolled in JABEE-compliant technical education programs, all credits earned prior to enrollment will be reviewed for content equivalence with courses offered by the school. At this time, credits that cannot be approved as JABEE courses will be matched to JABEE courses. (2) Courses are designed to supplement the specialized knowledge and abilities of students who have enrolled in a major that differs from their original major from other educational institutions in order to effectively advance their studies in the major course. The content of the courses will be determined in consideration of the departments and courses taken before admission. Course method : The content of study will be determined according to the student's educational institution | | | | | | | | | |
| Style | and past stue will be check | dy. Since the ed as we pro | classe ceed. | es are one-or In order to d | n-one, studen deepen their ι | nts' ba unders | asic acad | lemic | skills an | educational institution d level of understanding ll be required to practice |
| | problems and write reports to acquire comprehensive skills. Grade evaluation method : Adopt an appropriate evaluation method according to the student and content. | | | | | | | | | |

| | Precautions on the enrollment : Students who have entered the major from other educational institutions and who fall under the categories (1) and (2) described in the course outline must take this course. This course does not count as a credit toward completion of the major. In addition, this course is a "subject requiring study outside class hours. A total of 45 hours of study is required per credit, including both class time and study outside class time. Follow the instructions of the instructor regarding study outside of class hours. Course advice : This subject is the most important main subject in the major. Therefore, students are | | | | | | | | | | | |
|----------------|---|--|--|---|---|---|--|--|--|--|--|--|
| Notice | | expecte receive (NIAD), Course keeping | advice : This subject is the most im d to take the initiative in all aspects a bachelor's degree from the Natior they are required to submit a "Mas . In addition to the above, it is nece in mind that the contents of the sp s are required to submit a research | and do their be nal Institution fo ster's Course Pla essary for the stu pecial research w | st. In addition, in r Academic Degree n" and a "Summar udents to proceed ill be the basis for | the second year, when students es and University Evaluation ry of the Results of the Master's with their research activities all of these. In addition, | | | | | | |
| | | Foundat | tional subjects : All subjects | | | | | | | | | |
| | | Related | subjects : General subjects to be s | studied in the ma | ajor | | | | | | | |
| | Related subjects : General subjects to be studied in the major Attendance advice : This subject is the most important main subject in the major. Therefore, students are expected to take the initiative in all aspects and do their best. In addition, in the second year, when students receive a bachelor's degree from the National Institution for Academic Degrees and University Evaluation (NIAD), they are required to submit a "Master's Course Plan" and a "Summary of the Results of the Master's Course". In addition to the above, it is necessary for the students to proceed with their research activities keeping in mind that the contents of the special research will be the basis for all of these. In addition, students are required to submit a research record at the end of the first and second semesters. | | | | | | | | | | | |
| Charact | eristics | of Class , | / Division in Learning | -1 | | 1 | | | | | | |
| Active | Learning | | □ Aided by ICT | Applicable 1 | to Remote Class | Instructor Professionally Experienced | | | | | | |
| 6 | | | | | | | | | | | | |
| Course | Plan | | Thoma | | Caala | | | | | | | |
| | | 1st | Theme | | Goals | | | | | | | |
| | | 2nd | | | | | | | | | | |
| | | 3rd | | | | | | | | | | |
| | 1st | 4th | | | | | | | | | | |
| | Quarter | 5th | | | | | | | | | | |
| | | 6th | | | | | | | | | | |
| | | 7th | | | | | | | | | | |
| 1st | st | 8th | | | | | | | | | | |
| Semeste | | 9th | | | | | | | | | | |
| r | | | | | | | | | | | | |
| | | 10th | | | | | | | | | | |
| | | 11th | | | | | | | | | | |
| | 2nd Quarter | 12th | | | | | | | | | | |
| | Quarter | 13th | | | | | | | | | | |
| | | 14th | | | | | | | | | | |
| | | 15th | | | | | | | | | | |
| | | 16th 1st | The course will be offered in specia that need to be supplemented, if n interviewing the student. | | Set content-appr | opriate goals. | | | | | | |
| | | 2nd | The course will be stadent: that need to be supplemented, if n interviewing the student. | alized areas necessary, after | Set content-appr | opriate goals. | | | | | | |
| | | 3rd | The course will be offered in specia that need to be supplemented, if n interviewing the student. | | Set content-appr | opriate goals. | | | | | | |
| | 3rd | 4th | The course will be offered in specia that need to be supplemented, if n interviewing the student. | necessary, after | Set content-appr | opriate goals. | | | | | | |
| 2nd Semeste | Quarter | 5th | The course will be offered in specia that need to be supplemented, if n interviewing the student. | alized areas necessary, after | Set content-appr | opriate goals. | | | | | | |
| r | | 6th | The course will be offered in specia that need to be supplemented, if n interviewing the student. | | Set content-appr | opriate goals. | | | | | | |
| | | 7th | The course will be offered in specia that need to be supplemented, if n interviewing the student. | alized areas necessary, after | Set content-appropriate goals. | | | | | | | |
| | | 8th | The course will be offered in specia that need to be supplemented, if n interviewing the student. | alized areas necessary, after | Set content-appr | opriate goals. | | | | | | |
| | 4th | 9th | The course will be offered in specia that need to be supplemented, if n interviewing the student. | alized areas necessary, after | Set content-appr | opriate goals. | | | | | | |
| | Quarter | 10th | The course will be offered in specia that need to be supplemented, if n interviewing the student. | | Set content-appr | opriate goals. | | | | | | |

| | | 11th | The course will be that need to be su interviewing the s | upplemented, if no | | Set content-appropriate goals. | | | | |
|----------------------------|-----------|-----------|--|--|--------------------------------|--------------------------------|--------------------------------|-------|--|--|
| | | 12th | The course will be that need to be su interviewing the s | upplemented, if no | lized areas ecessary, after | Set content-appr | opriate goals. | | | |
| | | 13th | The course will be that need to be su interviewing the s | upplemented, if no | | Set content-appr | opriate goals. | | | |
| | | 14th | The course will be that need to be su interviewing the s | upplemented, if no | lized areas ecessary, after | Set content-appr | opriate goals. | | | |
| | | 15th | The course will be that need to be su interviewing the s | upplemented, if ne | lized areas ecessary, after | Set content-appr | opriate goals. | | | |
| | | 16th | The course will be that need to be su interviewing the s | upplemented, if no | lized areas ecessary, after | Set content-appr | Set content-appropriate goals. | | | |
| Evaluation | n Meth | nod and V | Veight (%) | | | | | | | |
| | Exa | amination | Presentation | Mutual Evaluations between students | Behavior | Portfolio | Other | Total | | |
| Subtotal | 0 | | 0 | 0 | 0 | 0 | 100 | 100 | | |
| Basic Proficiency | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Specialized Proficiency | | | | 0 | 0 | 0 | 100 | 100 | | |
| Cross Area Proficiency | ross Area | | | 0 | 0 | 0 | 0 | 0 | | |

| Class Format Experiment Credits School Credit: 8 Department Advanced Electronics and Information System Engineering Course Student Grade Adv. 1st Term Year-round Classes per Week 8 Textbook and/or Teaching Materials KOBAYASHI Toshiro,NISHIO Kimihiro,SHIMADA Takao,YABUKI Noboru,TAKETANI,Hisashi,TERAMOTO Takayuki,MIYASHITA Takuya,KAWANAMI Hiromichi,KIKUCHI Yosuke,FANG Guanshen Course Objectives Eaching purposes : To acquire the ability to identify engineering and technical problems and to solve them concretely, and to acquire the basic skills of an engineer. Course Objectives : 1. To be able to independently develop a research plan, use hardware and software, perform specific experiments and analyses, and solve technical problems. 0. Students can present their research research in foreign language papers and to understand related. Not acceptable Not acceptable Achievement 1 To be able to conduct research in foreign nagauge papers, and to understand related, progeniting on analyting research they oreign and analyzing, recessary information. To be able to formulate a convin acceptable. To be able to formulate a research they oreign and analyzing, recessary information. To be able to make present his foreign and analyzing, recessary and analyzing meressary. To be able to make present his foreign analyzing on analyzing research they oreign and analyzing meressary. To be able to make present his foreign analyzing meressary. | Tsuyama Col | lege | Year | 2021 | | | Course Title | Thesis | s Work I | | |
|--|---|---|--|--|---|--|---|------------------------|--|--|--|
| Class Format Experiment Credits School Credit: 8 Department Advanced Electronics and Information System Engineering Course Student Grade Adv. 1st Term Year-round Classes per Week 8 Textbook and/or Teaching Materials KOBAYASHI Toshiro,NISHIO Kimihiro,SHIMADA Takao,YABUKI Noboru,TAKETANI,Hisashi,TERAMOTO Takayuki,MIYASHITA Takuya,KAWANAMI Hiromichi,KIKUCHI Yosuke,FANG Guanshen Course Objectives Eaching purposes : To acquire the ability to identify engineering and technical problems and to solve them concretely, and to acquire the basic skills of an engineer. Course Objectives : 1. To be able to independently develop a research plan, use hardware and software, perform specific experiments and analyses, and solve technical problems. 0. Students can present their research research in foreign language papers and to understand related. Not acceptable Not acceptable Achievement 1 To be able to conduct research in foreign nagauge papers, and to understand related, progeniting on analyting research they oreign and analyzing, recessary information. To be able to formulate a convin acceptable. To be able to formulate a research they oreign and analyzing, recessary information. To be able to make present his foreign and analyzing, recessary and analyzing meressary. To be able to make present his foreign analyzing on analyzing research they oreign and analyzing meressary. To be able to make present his foreign analyzing meressary. | Course Informatio | n | | | | | | | | | |
| Department Advanced Electronics and Information Student Grade Adv. 1st Term Year-round Classes per Week 8 Textbook and/or Teaching Materials KOBAYASHI Toshiro,NISHIO Kimihiro,SHIMADA Takao,YABUKI Noboru,TAKETANI,Hisashi,TERAMOTO Takayuki,MIYASHITA Takuya,KWAMAHAMI Hiromich,KIKUCHI Yosuke,FANG Guanshen Course Objectives Exercise of the ability to identify engineering and technical problems and to solve them concretely, and to acquire the basic skills of an engineer. Course Objectives : Course Objectives : To be able to undergendently develop a research plan, use hardware and software, perform specific experiments and analyses, and solve technical problems. Control technical problems and to solve them concretely, and to acquire the basic skills of an engineer. 2. To be able to independently develop a research plan, use hardware and software, perform specific experiments and analyses, and solve technical problems. Not acceptable Not acceptable Achievement 1 Excellent Good Acceptable Not acceptable Cannot read a given praper in a fording and evaluating the understand simple related technology and research in foreign and analyzing necessary the method of testing and evaluating the evaluating the evaluating the evaluating the evaluation the exel to organizing and evaluating the research of technology and research and the results. To be able to make presentation in tapanese. To be able to make presentations and exchange opinions at analyzes. Cannot make presentations and exchange opini | Course Code | 0005 | | | Course Cate | gory | Specializ | ed / Con | npulsory | | |
| Department System Engineering Course Student Grade Adv. 1st Term Year-round Classes per Week 8 Textbook and/or Teaching Materials Instructor Tobayoki, MYASHI Tochiro, MISHIO Kimhiro, SHIMADA Takao, YABUKI Neboru, TAKETANI Hisashi, TERAMOTO Takayoki, MYASHI TA Takuya, KAWANAMI Hiromichi, KIKUCHI Yosuke, FANG Guanshen Course Objectives Earning purposes : To acquire the ability to identify engineering and technical problems and to solve them concretely, and to acquire the basic skills of an engineer. Course Objectives : 1. To be able to medineer. 2. To be able to independently develop a research plan, use hardware and software, perform specific experiments and analyses, and Ship technical problems. To be able to contribute to the local community and the world. Rubric Excellent Good Acceptable Not acceptable Achievement 1 To be able to conduct research in foreign and evaluating the abalyzing research in foreign and evaluating the the research objectives, and to be able to formulate a research inforeign in accordance with many engineers. To be able to nonduct research inforeign research i | | | | | Credits | School Credit: 8 | | | | | |
| Textbook Income Incom | Department | System Engi | | | | | e Adv. 1st | | | | |
| Eaching Materials KobavaSHI Tashiro, MISHIO Kimihiro, SHIMADA Takao, YABUKI Noboru, TAKETANI Hisashi, TERAMOTO Takayuki, MIYASHITA Takuya, KAWANAMI Hiromichi, KIKUCHI Yosuke, FANG Guanshen Course Objectives Eaching proposes : To acquire the ability to identify engineering and technical problems and to solve them concretely, and to acquire the basic skills of an engineer. Course Objectives : Course Objectives : 1. To be able to use international papers and other sources to research information on research themes and to grasp trends in advanced technologies. To be able to independently develop a research plan, use hardware and software, perform specific experiments and analyses, advanced technologies. 2. To be able to independently develop a research plan, use hardware and software, perform specific experiments and analyses, advanced technologies. Not acceptable 3. Sing technical problems. Good Acceptable Not acceptable 4. Have an awareness as an engineer: Good Acceptable Not acceptable To be able to conduct research literature in language, papers, and to understand related technology and research trends by collecting, onecessary information. To be able to formulate a research literature in language. Cannot research literature in language. Cannot research literature in language. To be able to formulate a research literature in language. Cannot research literature in language. Cannot understand the methods and results on derstand their methods and results and to be able to logicalily coroling to the research in accord acreating a | | Year-round | | | Classes per \ | Week | 8 | | | | |
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| Acquire the basic skills of an engineer. Course Objectives : 1. To be able to use international papers and other sources to research information on research themes and to grasp trends in advanced technologies. advanced technologies. advanced technologies. or of advanced | Course Objectives | | | | | | | | | | |
| 1. To be able to use international papers and other sources to research information on research themes and to grasp trends in advanced technologies. 2. To be able to independently develop a research plan, use hardware and software, perform specific experiments and analyses, and solve technologies. 3. Students can present their research results at academic conferences outside the university. To be able to freely exchange opinions and ideas with many engineers. Not acceptable Atheve an awareness as an engineer and be able to contribute to the local community and the world. Acceptable Not acceptable Rubric To be able to conduct research in foreign language papers and to understand the freesearch in foreign language papers and to understand simple released in formation. To be able to formulate a research plan to graphic paper in a foreign language. Cannot tread a given paper in a foreign language. Cannot the effect of experiments and analyzing necessary information. To be able to formulate a research plan by oneself. To be able to formulate a research plan by oneself. Cannot understand the method of testing and analyzing necessary information. To be able to formulate a research plan by oneself. Cannot understand the method and results of experiments and analyses. Achievement 2 To be able to formulate a research plan by oneself. To be able to make presentations and conferences in foreign language. To be able to make presentations and conferences on foreign language. Cannot understand the method and results of experiments and analyses, and to analyses, and to analysing necessary information. <tr< td=""><td>acquire the basic skills</td><td>acquire the of an engine</td><td>ability to iden eer.</td><td>tify engineering</td><td>and technical</td><td>problem</td><td>ns and to so</td><td>olve ther</td><td>n concretely, and to</td></tr<> | acquire the basic skills | acquire the of an engine | ability to iden eer. | tify engineering | and technical | problem | ns and to so | olve ther | n concretely, and to | | |
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| Achievement 4and impact of technology on society and nature, and understand the engineers have to society. To be able to continuously improve oneself in order to grow as an engineer, and to take action to solve local problems.Understand the influence and effect of technology on society and nature, and understand the responsibility that engineers have to society. To be able to continuously improve oneself in order to grow as an engineer, and to take action to solve local problems.Understand the influence and effect of technology on society and nature, and understand the responsibility that engineers have to society. To be able to continuously improve oneself in order to grow as an engineer.To be able to continuously improve oneself in order to grow as an engineer.Cannot engage in continuously improve oneself in order to grow as an engineer.Assigned Department ObjectivesUnderstand the influence and understand the responsibility that engineers have to society. To be able to continuously improve oneself in order to grow as an engineer.To be able to continuously improve oneself in order to grow as an engineer.Cannot engage in continuously improve oneself in order to grow as an engineer. | Achievement 3 | presenta exchang conferer | ations and e opinions at nces in foreign | poster prese | entation in a | presen exchar | tations and ige opinion: | | presentations or exchange opinions in | | |
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| | Teaching Method | | | | | | | | | | |

| | General or Specialized : Specialized | | | | | | | | | |
|---|--|--|---|--|---|--|--|--|--|--|
| | | Field of | learning : Experiment and practice | | | | | | | |
| | | Foundat | tional academic disciplines : Engine | ering/Electrical a | nd Electronic Engi | neering, Information Engineering | | | | |
| | | Relation | ship with Educational Objectives :1 | This class is equiv | alent to "(4) Deve | elop multi-disciplinary ability". | | | | |
| Outline | | of resea E-3, F-1 design s public h constrai formula involvec express | Relationship with JABEE programs :The main goals of learning / education in this class are "(E)Development of research skills, E-1", also "A-3, C-1, C-2, D-1, D-2, D-3, E-2, E-3, F-1, F-2, G-1, G-2, " and "H-1" is involved. In this class, students are expected to acquire the following design skills: conceptual ability, problem-setting ability, ability to recognize problems from the viewpoint of public health and safety, culture, economy, environment, ethics, etc., ability to find solutions under the constraints arising from these problems, ability to express the conceptualized ideas in diagrams, sentences, formulas, programs, etc., and ability to plan and implement continuously. In this course, students will be involved in developing the ability to find solutions under constraints arising from these problems, the ability to express their concepts in diagrams, sentences, formulas, programs, etc., and the ability to plan and implement continuously. In addition, students are required to attend a lecture on engineering ethics. | | | | | | | |
| | | indepen develop | outline :This class is designed to cu dently by working on distinctive re- ment skills. The results of the rese ecessary, external presentations wi | search topics, ań arch will be subm | d to deepen know hitted as a summa | ledge and acquire research and ry of the interim presentation, | | | | |
| | Course method : Students are expected to carry out research activities independently under the guida their supervisor. In the course of their efforts, the instructors provide guidance and advice on how to engineering research, write scientific and technical papers, and make presentations and discussions a appropriate. | | | | | | | | | |
| | | Grade e | valuation method : The supervisor | will evaluate acc | ording to the cond | litions indicated in the lesson | | | | |
| Style In particular, the theme presentation will be evaluated as professional ability (10%), and the off-campu practical training report will be evaluated as cross-disciplinary ability (10%). In addition, the preparatio the midterm presentation (outline, preliminary draft) and the report on the lecture on engineering ethic be evaluated as professional competence (70%), and the report on the fieldwork will be evaluated as c disciplinary competence (10%). In the evaluation, the level of achievement will be evaluated for each it (A) and (C) to (H) of the educational program, and the student will pass if the total evaluation score is or more. If the evaluation score does not reach the passing score, guidance will be given and re-evaluated. | | | | | | | | | | |
| | | of study of the ir required hours of | Precautions on the enrollment : This is a class that requires study outside of class hours. A total of 45 hours of study is required per credit, including both class time and study outside class time. Follow the instructions of the instructor regarding study outside of class hours. And as part of the special research, majors are required to conduct practical training at private companies outside the university (off-campus training). 30 hours of off-campus training is aimed at deepening knowledge and improving research skills so as not to be separated from real-world technology. | | | | | | | |
| Notice | | expecte receive (NIAD), Course" keeping | Course advice : This subject is the most important main subject in the major. Therefore, students are expected to take the initiative in all aspects and do their best. In addition, in the second year, when students receive a bachelor's degree from the National Institution for Academic Degrees and University Evaluation (NIAD), they are required to submit a "Master's Course Plan" and a "Summary of the Results of the Master's Course". In addition to the above, it is necessary for the students to proceed with their research activities keeping in mind that the contents of the special research will be the basis for all of these. In addition, students are required to submit a research record at the end of the first and second semesters. | | | | | | | |
| | | Foundat | tional subjects : All subjects | | | | | | | |
| | | Related | subjects : General subjects to be | studied in the ma | ajor | | | | | |
| | | expecte receive (NIAD), Course" keeping | nce advice : This subject is the mo d to take the initiative in all aspects a bachelor's degree from the Natio they are required to submit a "Ma: In addition to the above, it is nec in mind that the contents of the sp s are required to submit a research | s and do their be nal Institution foi ster's Course Plar essary for the stu pecial research w | st. In addition, in Academic Degreen and a "Summar Idents to proceed ill be the basis for | the second year, when students es and University Evaluation y of the Results of the Master's with their research activities all of these. In addition. | | | | |
| Charact | eristics o | of Class , | / Division in Learning | 1 | | | | | | |
| Active | Learning | | □ Aided by ICT | □ Applicable t | o Remote Class | Instructor Professionally Experienced | | | | |
| Carrier | Diana | | | | | | | | | |
| Course | Plan | | Theme | | Goals | | | | | |
| 1st Semeste r | 1st Quarter | 1st | Course Advice This course is the most important the major. Therefore, students are take the initiative and do their bes of the course. In the second year, required to submit a "Study Plan f Integrated Course" and "Summary of the Integrated Course" in order "Bachelor's Degree" from the Nati for Academic Degrees and Univers In addition to the above, it is nece students to submit a research plan summary of the results of their stu- receive a bachelor's degree from to Institution for Academic Degrees a Evaluation. In addition, students a submit a research record at the er and second semesters | e expected to it in all aspects students are or the y of the Results to obtain a onal Institution sity Evaluation. sesary for n and a udies when they the National and University are required to | | | | | | |

| and other events during this period Students will con | that are minima d are as follows tinue their resea | llv reauired | | | |
|---|---|--|--|--|---|
| Time for research | | rch plan (April- | | | |
| Students identify and find a resear Students deepen purpose and bac decide on a speci Students will disc | their understand kground of their ific topic. cuss research me | ling of the research and thods and | | | |
| | ion (around lung |) | | | |
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| Off-Campus Inter | rnship (Summer | Break) | | | |
| director of the ex | e study will be protection of the study protection of | esented to the gram (around | | | |
| A questionnaire v training. | will be administer | ed after the field | | | |
| Debriefing sessio October) | n for off-campus | training (around | | | |
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| | d vorifiaatie C | vporiment ! | | | |
| analysis (June to | February) | • | | | |
| of outline and pre- presentation, etc | eliminary report f | | | | |
| d Weight (%) | - | | | | |
| n Presentation | Mutual Evaluations between students | Behavior | Portfolio | Other | Total |
| 50 | 0 | 0 | 0 | 100 | |
| 0 | 0 | 0 | 0 | 0 | 0 |
| ciency 0 0 0 0 0 ciency ciency 50 40 0 | | | 0 | 0 | 90 |
| | s Area o 10 0 0 | | | | |
| | and other events during this period Students will con after receiving th Time for research May) Students identify and find a resear Students deepen purpose and bac decide on a spec Students will disc develop a resear The student will plan. Theme presentat Off-Campus Inte Definition of the ex September). A questionnaire v training. Debriefing sessio October) Debriefing sessio October) Period of trial and analysis (June to Preparation for ir of outline and pro presentation, etc d Weight (%) Presentation | and other events that are minima during this period are as follows Students will continue their resea after receiving this credit. Time for research topic and resea May) Students identify an area of resea and find a research topic. Students deepen their understanc purpose and background of their idecide on a specific topic. Students will discuss research me develop a research plan. The student will present this reser plan. Theme presentation (around June Off-Campus Internship (Summer The results of the study will be pr director of the external study pros September). A questionnaire will be administer training. Debriefing session for off-campus October) Preparation for interim presentation of outline and preliminary report f presentation, etc.) d Weight (%) Nn Presentation Nn Presentation O 0 O O O O O O O O O O O O O O O O O O | and other events that are minimally required during this period are as follows Students will continue their research in two years after receiving this credit. Time for research topic and research plan (April- May) Students identify an area of research to develop and find a research topic. Students deepen their understanding of the purpose and background of their research and decide on a specific topic. Students will discuss research methods and develop a research plan. The student will present this research theme and plan. Theme presentation (around June) Off-Campus Internship (Summer Break) The results of the study will be presented to the director of the external study program (around September). A questionnaire will be administered after the field training. Debriefing session for off-campus training (around October) Period of trial and verification of experiments and analysis (June to February) Preparation for interim presentation (preparation of outline and preliminary report for interim presentation, etc.) d Weight (%) Mutual Evaluations between students Behavior | during this period are as follows Students will continue their research in two years after receiving this credit. Time for research topic and research to develop and find a research topic. Students deepen their understanding of the purpose and background of their research and decide on a specific topic. Students will discuss research methods and develop a research plan. Theme presentation (around June) Image: the student will present this research theme and plan. Theme presentation (around June) Image: the study will be presented to the director of the external study program (around September). A questionnaire will be administered after the field training. Debriefing session for off-campus training (around October) Image: the presentation of experiments and analysis (June to February) Preparation for interim presentation (preparation of or outline and preliminary report for interim presentation, decide to interim presentation, decide to interim presentation, etc.) Image: the presentation of the presentation of a students Image: the presentation of the presentation of the presentation of a students Image: the presentation of the presentation of the presentation of analysis (June to February) Preparation for interim presentation (preparation of or outline and preliminary report for | and other events that are minimally required during this period are as follows Students will continue their research in two years after receiving this credit. Time for research topic and research plan (April- May) Students identify an area of research to develop aftig fine research topic. Students deepen their understanding of the surpose and background of their research and develop a research plan. The students will ofscuss research methods and develop a research plan. The student will present this research theme and plan. Theme presentation (around June) |

| Tsuyama Co | suyama College Year 2021 | | | | Course Title | Advan Electro | iced omagnetism | | | |
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| Course Informati | on | | | | | | | | | |
| Course Code | 0007 | | | Course Cate | gory | Specializ | ed / Elec | tive | | |
| Class Format | Lecture | | | Credits | | Academi | ic Credit: | edit: 2 | | |
| Department | System Engi | ectronics and ineering Cours | | Student Grad | | | | | | |
| Term | Second Sem | | | Classes per | | 2 | | | | |
| Textbook and/or Teaching Materials | | , William H.Ha DNAL EDITION | ıyt.Jr "Engineerii | ng Electromag | netics" | seventh Ed | lition, Mc | GRAW-HILL | | |
| Instructor | UETSUKI Ta | dao | | | | | | | | |
| Course Objective 【学習目的】 電磁気学に関する物理的 【到達目標】 1.電場・磁場におけ? 2.ガウスの法則の物理 3.アンペール・マク2 4.マックスウェル方者 5.授業を通して技術習 | 的な現象を数式 るベクトル量の 理的意味を説明 スウェルの法則 逞式の物理的な | 微分・積分が計 できる。 の物理的意味を 意味を説明でき | 算できる。 注理解し計算できる | ٥ | | | する。 | | | |
| Rubric | | | | | | | | | | |
| | 優 | | 良 | | 可 | | | 不可 | | |
| 評価項目1 | 全ての座 | /量の微分・積分 標系(直交・55 で行うことができ | ᡭ・ ある特定の座 |)微分・積分が 陸標系で行うこ | | ル量の基礎語 の座標系で行 る | | ベクトル量の計算ができな い | | |
| 評価項目2 | ての座標 柱)にお 利用し、 |)定理を理解し、 「系(直交・球・ いて発散の定理 電束・電界・電 なめることができ | 円 る特定の座標 2を 散の定理を利 3荷 電界・電荷な | を理解し,あ 「系において発 」用し、電束・ いどを求めるこ | る特定の | の定理を理解 の座標系にす 電界・電荷な とができる | おいて、 | ある特定の座標系において 、電束・電界・電荷などを 求めることができない | | |
| 評価項目3 | ガウスの 周回積分 ーの法則 を導入す ウェルの | に 定理、 アンペリ で 法則 に 変位 電 流の 根 て る で マック の た て 、 ファラ に で 、 ファラ に で 、 ファラ に に 、 ファラ に に 、 ファラ に に 、 マラ の に 、 、 ファラ に 、 、 ファラ に 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、 | 7の ガウスの定理 ラデ 周回積分の法 第二の法則に変 クス を導入するこ と ウェルの方程 | 、アンペアの 則、ファラデ 位でっかの とでで うか で うか で うい や で うい や つい や つい た つい た つい で ファ ラデ で の で の で の で つい で つい で つい で つい で つい で | 変位電 , マッ の物理 | 流の概念が現 クスウェルの 的意味を説明 | 里解でき の方程式 月できる | 変位電流の概念が理解でき ない | | |
| Assigned Departr | ment Objec | tives | · | | | | | • | | |
| Teaching Method | | | | | | | | | | |
| | 一般・専門の | 別:「専門」 | | | | | | | | |
| | 学習の分野: | 習の分野:電気・電子 | | | | | | | | |
| | 基礎となる学 | 問分野:工学/ | 電気電子工学 | | | | | | | |
| Outline | 専攻科学習目標との関連: 本科目は専攻科学習目標「(2)電気・電子,情報・制御に関する専門技術分野の知識を修得し,機械やシステムの設計・ 製作・運用に活用できる能力を身につける。」に相当する科目である。 | | | | | | | | | |
| | 技術者教育プログラムとの関連: 本科目が主体とする学習・教育到達目標は「(A)技術に関する基礎知識の深化,A-2:「電気・電子」, 「情報・制御」 に関する専門分野の知識を修得し, 説明できること」であが, 付随的には「(A-1)」にも関与する。 | | | | | | | | | |
| | 授業の概要: 本科の3年・4 積分という概 | 1年で学んだ電気 念を理解し,本 | 〔磁気学Ⅰ・Ⅱを空 〕科で学んだ内容を | 2間的非対称領域 数学的に理解で | 域に応用 ⁻ きるよう | することを当 うに解説とテ | ₽ぶ。そ⊄ 「ィスカッ |)ためにベクトル場の微分・ ションを行う。 | | |
| | 授業の方法: 進める。教科 , レポート課 | 書に従って授業 | 5週, 1週2単位時 を進めるが, 別の | 間で開講する。 教材を用意して | 板書に。 授業を通 | よる説明とう 進める場合も | ディスカッ ある。ま | ションとを併用した授業を た,理解が深まるように | | |
| Style | (100点満 | 試験を1回行う | ·結果をB点(40ฅ | (60%)とレポー 点満点)とし, | - ト結果 最終成績 | (40%)を約 T=(1-B | 総合して行 /100)> | テう。試験結果をA点 <a+bとする。試験は筆記用< td=""></a+bとする。試験は筆記用<> | | |
| | 履修上の注意 本科目は「授 45時間の学 | : 業時間外の学修 修が必要である | を必要とする科目 。授業時間外の学 | 」である。当該 修については, | 。授業時間 担当教員 | 間と授業時間 員の指示に従 | 小の学修 うこと。 | を合わせて,1単位あたり | | |
| | 履修のアドバ 本科で学んだ 事前に行う準 | 数学の微積分・ | ベクトル解析など に沿って授業を行 | を復習しておく うので,授業予 | こと。 定の内容 | 容にあらかじ | め目を通 | しておくこと。 | | |
| Notice | 路Ⅰ・Ⅱ(電気 | 記電子3,電気電 | 電子4) | 8), 微分方程式 | (3), 電 | 気磁気学I^ | ・Ⅱ(電気管 | 電子3,電気電子4),電気回 | | |
| | 受講上のアド 板書される内 | 別研究(専1, バイス: 容を理解しなが 上遅れると欠課 | らノートに取るこ | と。遅刻に関し | ては、出 | 出席を採り終 | きわってか | ら時間の半分までを遅刻と | | |
| Characteristics of | · · · · · | | | | | | | | | |
| Active Learning | | Aided by IC | | ☑ Applicable | e to Rer | note Class | | structor Professionally ienced | | |
| | | | | 1 | | | Irvhei | | | |

| 選択 | | | | | | | | | | |
|-------------------|-------------------------------------|--------|-----------------|----------------------|----------|-------------------|-------------------------------|------------|--|--|
| Course | Plan | _ | | | | | | | | |
| | | | Theme | | | Goals | | | | |
| | | 1st | Guidance, Ve | ctor Analysis | | ベクトル解析の |)復習 | | | |
| | | 2nd | Coulomb's Lav | v, Electric Field Ir | ntensity | クーロンの法則 | しと電場, 近接作 | ■用の概念を理解する | | |
| | | 3rd | Electric Flux D | ensity, Gauss's La | aw | 電場に対するだ | jウスの法則を理 | 解する | | |
| | 3rd | 4th | Application of | Gauss's Law | | ガウスの法則を ができる | と用いた電荷密度 | ・電場を計算すること | | |
| | Quarter | 5th | Energy and Po | tential, Potential | Gradient | 静電ポテンシャ | ルについて理解 | する | | |
| | 6th Dipole, Energy Density in the E | | | | | 電気双極子、 着 きる | 電場のエネルギ | ーを計算することがで | | |
| | | 7th | Conductors an | d Current Density | y | 定常電流につい | ヽて理解する | | | |
| 2nd Semeste | | 8th | Nature of Diel | ectric Materials | | 誘電体の性質を理解する | | | | |
| r | | 9th | Capacitance a | nd Poisson's Equa | ations | 静電容量、ポア | アソン方程式を説 | 明できる | | |
| | | 10th | Steady Magne | tic Field | | 静磁場の基本法 | 則を理解する | | | |
| | | 11th | Force on a Mo | ving Charge | | ローレンツカを | と理解する | | | |
| | | 12th | Magnetic Force | es and Materials | | 磁性体の性質を | 磁性体の性質を理解する | | | |
| | 4th Quarter | 13th | Time-Varying | Fields | | 時間的に変動す る | 時間的に変動する電磁場と変位電流の概念を説明でき る | | | |
| | | 14th | Maxwell's Equ | ation | | マクスウェル方 きる | マクスウェル方程式から電磁波の波動方程式を導出で きる | | | |
| | | 15th | 試験 | | | | | | | |
| | | 16th | 答案返却と解答 | 解説 | | | | | | |
| Evaluat | ion Meth | od and | Weight (%) | | | | | | | |
| | 試測 | | 発表 | 相互評価 | 課題 | 小テスト | その他 | Total | | |
| Subtotal | otal 60 10 0 20 | | 20 | 10 | 0 | 100 | | | | |
| 基礎的能力 | 礎的能力 0 0 0 0 | | 0 | 0 | 0 | 0 | | | | |
| 専門的能力 | カ 60 | | 10 | 0 | 20 | 10 | 0 | 100 | | |
| 分野横断的能力 0 0 0 0 | | | | | 0 | 0 | 0 | 0 | | |

| Ts | Tsuyama College Year 2021 | | | 2021 | | Course Electric Title Appara | | | ic and Electronic atus | | |
|------------------------|---------------------------|---|---|---|---|---------------------------------|------------------------|----------------------------------|---------------------------|---|--|
| Course | Informa | tion | | | | 1 | | | | | |
| Course Co | | 0008 | | | | Course Cate | jory | Specializ | , | | |
| Class Forr | mat | Lecture | | | | Credits | | Academ | ic Credit | : 2 | |
| Departme | ent | System | Engir | ectronics and neering Cours | | | Student Grade Adv. 1st | | | | |
| Term Textbook | and/or | Second 教材 · 田 | | ester 乍成「電気電子 | - 機器」(PDFで配i | Classes per \ 东) | | 2 ·#+考一菜「/ | <u>רח-דו</u> | | |
| Teaching Instructor | Materials |), 牧 YAGI Hi | Z野鉄シ | 台他著「信頼性 | 江学」(日科技連) | | | 开子1 // | | | |
| | Objectiv | | lucyui | | | | | | | | |
| 学習目的: | 電気電子樹 | 幾器設計全般 | した の構想に | 通する基本思想 力や種々の技術 | 見・技術動向を事例 所の統合応用能力の | を通して理解す 向上に資する。 | るとと | もに、設計に | こ必要な規 | 見格および信頼性の基礎を修 | |
| 2.電気電 | 電子機器設調 電子機器の調 | 十全般に共選 安計に必要な 支術動向を理 | く信頼 | 性の基礎概念を | 動向を理解する。 と理解する。 | | | | | | |
| Rubric | | | L/J+ / | | | | | | | | |
| | | 優 | | | 良 | | 可 | | | 不可 | |
| 評価項目1 | | 電気通道 | する基 | 機器設計全般に 本思想・技術重 , 応用できる。 | - 共 雷気雷子機器 | 設計全般に共 想・技術動向 明できる | 通する | 子機器設計・ 基本思想・打 している。 | 全般に共 支術動向 | 左記に達していない。 | |
| 評価項目2 | | 電気な信 | 記電子 ⁾ 言頼性(| , <u>心所できる。</u> 機器の設計に必 の基礎概念を理 できる。 | 必要 電気電子機器 | の設計に必要 磁概念を理解 | 電気電 | 子機器の設置 | | 左記に達していない。 | |
| 評価項目3 | | セン | ンサに | 」 関する基礎概念 活用できる。 | | る基礎概念を | センサ | に関する基礎 ている。 | 楚概念を | 左記に達していない。 | |
| Assigne | d Depar | tment O | bject | tives | | | | | | | |
| Teachin | ig Metho | bd | | | | | | | | | |
| | | | | 別 : 専門・電気 | _ | | | | | | |
| | | 基礎とな | る学問 | 問分野:工学/氰 | 電気電子工学/電力] | L学・電力変換 | ・電気構 | 幾器 | | | |
| | | 専攻科学 機械や | 22日相 | 票との関連 : 本 | 科目は専攻科学習 | 目標「(2) 電気 | ・電子, | 情報・制御 | に関する | 専門技術分野の知識を修得し | |
| Quality a | | | ,機械やシステムの設計・製作・運用に活用できる能力を身につける」に相当する科目である。 技術者教育プログラムとの関連:本科目が主体とする学習・教育到達目標は「(A)技術に関する基礎知識の深化, A-2:「 | | | | | | | | |
| Outline | | 電気・電 | [子], | コクラムとの _降 「情報・制御」 関与する。 | 」連:本科白が主体。 に関する専門技術 | と9る子習・叙 訪分野の知識を修 | 育到達日 修得し, | 目標は「(A): 説明できる。 | 这個に関 こと」でる | 9 る基礎知識の深化, A-2:1 あるが, 付随的には「 | |
| | | 授業の概 の後, 邦 るまでに | 現要: 電 1 格 、 化 1 で 検討 1 | 電気・電子機器(言頼性, 価格な すべき技術的要 | は,所定の仕様・性能 とどを総合的に勘案 点を学習する。まだ | 能を満足するよ して最終設計さ た, 設計者が常 | うに各権 れる。ス に考慮す | 機器の設計理 本講義は電力 すべき技術動 | 設備器を事 動向に関し | がいて諸量を求める基本設計 例にして,最終設計にいた て,最近の事例を学習する | |
| | | 。 授業の方 表する形 | 5法:勃 ジ態で打 | 数材, 図書館や 受業を進める。 | ・ インターネットか 適宜,レポート, 氵 | らの得た情報を 演習問題を課す | もとに, | ,担当学生力 | 「該当テー | -マを他学生に解りやすく発 | |
| Style | | (30%) | 訪法 で評 | : 担当範囲の発 価する。発表は | 表(40%),他乳 は,調査の充実度, | 発表者への質疑。 理解度,説明の | と議論へ)わかり | への参加態度 やすさ,発表 | (30%) 長態度,昏 | 、レポート・演習問題 賃疑応答の状況について評価 | |
| | | する。 履修上の 1 単の |)注意 | :本科目は「授 | 業時間外の学修を。 修が必要である。 | 必要とする科目 「営業時間外の学 | 」である | る。当該授業 | 美時間と授 教員の指 | 2業時間外の学修を合わせて 3回に従うこと | |
| l | | 履修のア | ァドバ- | イス : | | | | - | | 科出身学生には電気機器の | |
| Notice | | 概念が理 | 解し(| こくいことがあ | るので, 電気基礎 | を復習しておく | と良い。 | 5 | | , Ⅲ(電気電子2, 3, 4), 電 | |
| | | 気電子機 | 器設計 | は盛くチョ, 血 計(電気電子5) カ制御工学(専2 | | ד־אצנויטיי ן (ד | | ·// 电×V1成 | ын түш | , ᅟᅳ(ᠣᡔᠬᠣ᠋᠘, ┚, ᠇), 电 | |
| | | 受講上の |)アドノ | 、 バイス : 講義を | 聴くという受け身の | の姿勢で授業に | 臨むの | ではなく、自 | 分の準備 | の成果を他学生に解りやす | |
| | | 臨んで欲 | だしい。 | 授業開始25分 | う以内であれば遅刻 | 他発表者に対し とし,遅刻3回 | て批判時 で1欠課 | 的観点から買 見とする。 | | シトを出す場として授業に | |
| Charact | eristics | ot Class | / Div | vision in Lea | arning | | | | - • | aturatan Dosferesi II | |
| Active | Learning | | | Aided by IC | Т | Applicable | e to Re | mote Class | | structor Professionally rienced | |
| 選択 Course | Dlaw | | | | | | | | | | |
| Course | Plan | | TL - | m o | | | C | | | | |
| | | Theme 1st ガイダンス,電気機器の概要 | | | | Goals それぞれい下の内容について理解する | | | いて理解すろ | | |
| 2nd Semeste | a 3rd 2nd 電気機器設計の基礎原理 | | | | それぞれ以下の内容について理解する 電気機器の性能・大きさを決める要因・合理的設計の ための配慮事項 | | | | | | |
| Semeste Ouarter | | 3rd | 変圧 | | | | | 変圧器の設計思想と設計事例 | | | |
| 1 | | 514 | 4th 高電圧サイリスタ変換器の最適設計 | | | | <u> </u> | 電気機器におけるトレードオフと最適化事例 | | | |

| | 5th | 電気・雪 [故障5 | 電子機器の信頼性 分布と信頼性に関する | 5理論] | | 信頼性に関す | る各種用語と故障 | 率・信頼度の計算方法 | |
|-------|----------|---|--|--|---|--|---|---|--|
| | 6th | 電気・雪 [信頼! | 電子機器の信頼性 生解析手法] | | | FTAと故障確認 | 率計算方法 | | |
| | 7th | エネルゴ | ギーとセンサ | | | 燃料電池,海 | 上風力発電の事例 | | |
| | 8th | 健康・ | 長寿とセンサ | | ロボット介護 例 | ,健康づくり,医 | 療とセンサに関する事 | | |
| | 9th | 安心・5 | 安全とセンサ | | | 交通事故防止 | 事例, 自然災害へ | の対応事例 | |
| | 10th | ロボット | トとセンサ | | | AIアシスタ | ント, 宅配ドロー | ンなどの事例 | |
| | 11th | UIとt | こンサ | | 身振り手振り 機械などの事 | を理解する機械, 例 | 見えないものを見せる | | |
| 1 | 12th | 自動運車 | 伝とセンサ | | 無人隊列走行 | , 自動誘導・駐車 | に関する事例 | | |
| arter | 13th | スマート | ト工場とセンサ | | | 生産ラインでの異常検知,保守業務支援に関する事例 | | | |
| | 14th | スマート | ト農業とセンサ | | | 営農,自動走行トラクター,農業用アシストスーツな どに関する事例 | | | |
| | 15th | 海洋開到 | 発とセンサ | | | 海底資源開発,水産養殖に関する事例 | | | |
| | 16th | | | | | | | | |
| Meth | od and \ | Weight | . (%) | | | | | | |
| 111d | 式験 | | 発表 | 相互評価 | 態度 | | 課題 | Total | |
| C |) | | 40 | 0 | 30 | | 30 | 100 | |
| C |) | | 0 | 0 | 0 | | 0 | 0 | |
| C |) | | 40 | 0 | 30 | | 30 | 100 | |
| J C | | 0 0 0 | | | | 0 0 | | | |
| | Meth | 6th 7th 8th 9th 10th 11th 12th 13th 14th 15th 16th Method and N 0 0 0 | Still [故障/ 6th 電気・電 6th 工名以こ 7th エネルニ 8th 健康・野 9th 安心・3 10th ロボッ 11th U I と台 12th 自動運車 13th スマー 14th スマー 15th 海洋開発 16th 回 0 0 0 0 0 0 0 | Image: Constraint of the constrated of the constraint of the constraint of the constraint of the | 3un [故障分布と信頼性に関する理論] 6th 電気・電子機器の信頼性 [信頼性解析手法] 7th エネルギーとセンサ 8th 健康・長寿とセンサ 9th 安心・安全とセンサ 10th ロボットとセンサ 11th UIとセンサ 12th 自動運転とセンサ 13th スマート工場とセンサ 14th スマート農業とセンサ 15th 海洋開発とセンサ 16th Ø 0 0 40 0 0 0 40 | 3un [故障分布と信頼性に関する理論] 6th 電気・電子機器の信頼性 [信頼性解析手法] 7th エネルギーとセンサ 8th 健康・長寿とセンサ 9th 安心・安全とセンサ 10th ロボットとセンサ 11th UIとセンサ 12th 自動運転とセンサ 13th スマート工場とセンサ 14th スマート農業とセンサ 15th 海洋開発とセンサ 16th 16th Method and Weight (%) 13ឆ្ 発表 相互評価 0 40 0 30 0 40 0 30 | Sun [故障分布と信頼性に関する理論] 酒料目住に関す 6th 電気・電子機器の信頼性 [信頼性解析手法] FTAと故障確: 7th エネルギーとセンサ 燃料電池,海 8th 健康・長寿とセンサ ロボット介護 例 9th 安心・安全とセンサ 交通事故防止 10th ロボットとセンサ A I アシスタ 11th U I とセンサ 身振り手振り 機械などの事 12th 自動運転とセンサ 無人隊列走行 13th スマート工場とセンサ 生産ラインで 14th スマート農業とセンサ 満底資源開発 16th 0 30 0 40 0 30 | Jun [故障分布と信頼性に関する理論] 信根住に関する皆福用語と改体 6th 電気・電子機器の信頼性 [信頼性解析手法] FTAと故障確率計算方法 7th エネルギーとセンサ 燃料電池,海上風力発電の事例 8th 健康・長寿とセンサ ロボット介護,健康づくり、医 例 9th 安心・安全とセンサ 交通事故防止事例,自然災害へ 10th ロボットとセンサ A I アシスタント、宅配ドロー 11th U I とセンサ 募振り手振りを理解する機械、 機械などの事例 12th 自動運転とセンサ 無人隊列走行,自動誘導・駐車 13th スマート工場とセンサ 無人隊列走行,自動誘導・駐車 14th スマート農業とセンサ 営農,自動走行トラクター、農 15th 海洋開発とセンサ 海底資源開発,水産養殖に関す 16th 0 40 0 30 30 0 40 0 30 30 | |

| Tsuyama Co | ollege | Year | 202 | 21 | | | Course Title | Inforn | nation Science | |
|---|---|--|------------------|--|--|-----------------------------------|---|-----------------------|---|--|
| Course Informati | ọn | | | | 1 | | | | | |
| Course Code | 0011 | | | | Course Cate | jory | Specializ | , | | |
| Class Format | Lecture | | | | Credits | | Academi | c Credit: | 2 | |
| Department | | ectronics and neering Cours | | mation | Student Grad | Grade Adv. 1st | | | | |
| Term | Second Sem | ester | | | Classes per \ | Classes per Week 2 | | | | |
| Textbook and/or Teaching Materials | Physics Simu | ulation with H | TML5 | | | | | | | |
| Instructor | TERAMOTO | Takayuki | | | | | | | | |
| Course Objective | S | | | | | | | | | |
| it, visualization techn and design the syster Course Objectives : | ology, HTML5 n. In addition | , and its oper , students wil | ation I leari | and design r n specific app | nethods. Base plication techr | ed on liques | the lecture, o through act | each stu | ne basic concepts behind dent will actually study outer exercises. | |
| To be able to syste To be able to use I To be able to solve | TLM5 as a to problems by | ol for scientif | ic con | nmunication. techniques a | nd tools. | muuu | | | | |
| Rubric | | <u> </u> | | | - | | | | | |
| | Excellen | it | | Good | Acce | otable | | Not acceptable | | |
| Achievement 1 | fundam simulati and be a | Understand the fundamentals of physical simulation systematically and be able to explain and apply them to | | | | basic simu | Understand at least the basics of physical simulation and can solve basic problems. | | Does not meet the requirements of the left. | |
| Achievement 2 | a tool fo | can be applie or science nication. | | extent use HTLM5 as a min tool for science a so | | | Understand and minimally use HTLM5 as a science communication tool. | | Does not meet the requirements of the left. | |
| Achievement 3 | problem exempla appropr | ary manner us iate technique cc. for a given | sing es, | Be able to us appropriate t tools, etc. to problem to s for a given is | technology, solve the ome extent | appro tools, probl requi | e able to use ppropriate technology, cols, etc. to solve the roblem at a minimum equired for a given roblem. | | | |
| Assigned Departr | nent Objec | tives | 1 | | | | - | | | |
| Teaching Method | | | | | | | | | | |
| | General or S | pecialized : S | pecial | ized | | | | | | |
| | Field of learr | ning : Lecture | | | | | | | | |
| | | l academic dis Itational scien | | | tion science, | inform | nation engine | ering an | d related | |
| Outline | Relationship knowledge". | | onal C | bjectives :Th | nis class is equ | uivaler | nt to "(2) Ac | quire bas | sic science and technical | |
| | Relationship | with JABEE p technology, C | rogra -1", a | ms :The mai Ilso "A-1, " a | n goals of lea nd "C-2" is in | rning volved | / education i l. | n this cla | ass are "(C)Mastery of | |
| | lincorporated lecture, we a describing re | Course outline : With the development of computer and communication technologies, computers have been incorporated in various fields, and IT (information technology) of systems has become indispensable. In this lecture, we aim to acquire basic information technology, focusing on physical simulation technology for describing real-world information in a computer, which is an important technology for constructing information systems. | | | | | | | | |
| Style | course, stud | ents are expe | cted t rts to | to acquire all deepen thei | the knowledg r understandi | je nec ng. In | essary for in addition, pro | formatio esentatic | presentations. In this n processing. Students ons and presentations will iled. | |
| Grade evaluation method : Planning and execution of exercises and submission of assignments 50%. Participation in the presentation and discussion 40%. Results of peer evaluation of presentations and submitted assignments 10%. | | | | | | | ssignments 50%. presentations and | | | |

| | of study | ns on the enrollm is required per cre structor regarding | dit, including bot | th class time and | study outside of o study outside cla | class hours. A tot ass time. Follow t | al of 45 hours he instructions | |
|--------------------------------|--|---|---|---|--|--|--|--|
| | Course a refer to " software. | dvice : Please try 1 Introduction" in th | to make use of it ne textbook to ur | in your own res iderstand the ou | search activities. A Itline and downloa | as a preparatory s ad and install the | study, please related | |
| | Foundatio | onal subjects : Cou | urses and exercis | ses related to inf | formation processi | ing in each depar | tment | |
| Notice | Seminar | ubjects : Enginee for Basic Informat minar for Applied | ion Processing II | (1st year), Sen | hinar for Applied II | nformation Proce | ssing I (1st | |
| | from any topics, bu and pape to their o | ce advice : The cc where. Due to the ut the focus is on i rrs and to present wn themes. It is r ary to make effort y. | nature of the conformation proce at conferences. Successary to get | ourse, it is not ne essing technique Students are ene used to the envi | ecessarily necessa s that are necessa couraged to deepe ronment of the ex | ry to be familiar ary for engineers on the necessary vercises, and at the | with all the to write reports parts according the same time, it | |
| Characteristics of | f Class / | Division in Lea | irning | 1 | | 1 | | |
| Active Learning | | □ Aided by ICT | Applicable t | to Remote Class | Instructor Pr Experienced | ofessionally | | |
| Course Plan | | | | | | | | |
| | - | Theme | | | Goals | | | |
| : | 1st v | General explanatio with Basic Informa [Guidance]. | | | Understanding th | e Overview | | |
| | 2nd I | Registration in the personal information [Setting]. | exercise system on and exercise e | and setting of environment | Checking the exe | rcise environmer | ıt | |
| | 3rd | Introduction to 3D Objects) | Computer Graph | nics (3D | Understand 3D o them through exe | bjects and be abl ercises | e to explain | |
| 3rd Quarter | | Introduction to 3D Objects) | Computer Graph | nics (Primitive | Understand primi explain them thro | itive objects and ough exercises. | be able to | |
| | 5th | Introduction to 3D and Light Sources) | Computer Grapl | nics (Shadows | Understand shad able to explain th | | | |
| | 6th | Introduction to 2D of jqPlot) | graphic depictio | n (basic form | Understand the b to explain it throu | asic form of jqPlo ugh exercises. | ot and be able | |
| | | Introduction to 2D options) | graphic depictio | n (jqPlot | Understand the o explain them thro | ptions of jqPlot a ough exercises. | nd be able to | |
| 8 | 8th | Introduction to 2D options) | graphic depictio | n (jqPlot | Understand the o explain them thro | ptions of jqPlot a ough exercises. | nd be able to | |
| Semeste | 9th I | Physical simulatior | n (basic concept) | | Understand the basic concepts and be able to explain them through exercises. Physical simulation (basic concept) | | | |
| r : | 10th I | Physical simulatior | n (objects in 3-D | space) | Understand objects in three-dimensional space and be able to explain them through exercises. | | | |
| | | Physical simulatior velocity motion) | n (algorithm for c | constant | Understand the a motion and be at exercises. | | | |
| 4th Quarter | | Physical simulatior notion) | n (algorithms for | accelerated | Understand the algorithm of accelerated motion and be able to explain it through exercises. Physical simulation (algorithms for accelerated motion) | | | |
| | | Physical simulatior algorithms) | n (high-precision | computational | Understand high- algorithms and be exercises. | precision compute able to explain | tational them through | |
| : | 14th | Physical simulatior motion) Jnderstand high-p algorithms and be exercises. | recision computa | ational | Understand Newt able to explain th | con's equations o em through exer | f motion and be cises. | |
| | 15th | | | | | | | |
| Evaluation Metho | 16th | leight (%) | | | | | | |
| | nination | Presentation | Behavior | Problem | Other | Total | | |
| Subtotal 0 | 0 40 10 0 | | | | 50 | 0 | 100 | |
| Basic | | 0 | 0 | 0 | 0 | 0 | | |
| Proficiency 0 Specialized 0 | 0 0 0 0 0 0 0 40 10 0 50 0 100 | | | | | | | |

| Cross Area Proficiency 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-----------------------------|---|---|---|---|---|---|
|-----------------------------|---|---|---|---|---|---|

| Tsuyama Co | ollege | Year | 202 | 1 | | | Course Title | | Practice in nation Processing I | | |
|--|--|--|-----------------------------|--|--|----------------------------------|---|---|---|--|--|
| Course Information | on | 1 | | | | | | | | | |
| Course Code | 0012 | | | | Course Cate | gory | Specializ | ed / Elec | tive | | |
| Class Format | Lecture | | | | Credits | | School C | redit: 1 | | | |
| Department | Advanced El System Eng | ectronics and ineering Cours | Inforn se | nation | Student Gra | de | Adv. 1st | | | | |
| Term | First Semest | | | | Classes per Week 2 | | | | | | |
| Textbook and/or Teaching Materials | | | | | | | | | | | |
| Instructor | TAKETANI H | lisashi | | | | | | | | | |
| Course Objectives | S | | | | | | | | | | |
| Learning purposes : Improvement of the p a Web page is making Course Objectives : | programming J. | skill which ca | an be u | ıtilized for a | study and im | proven | nent of the o | compute | r literacy ability by which | | |
| 1. The student can ur 2. The student can ur 3. It's possible to und | nderstand me | chanism of a | Web p | bage and ma | ake each Web | page. | • | each fie | ld. | | |
| Rubric | | | | | | | | | | | |
| | Exceller | nt | (| Good | | Accep | table | | Not acceptable | | |
| Achievement 1 | The student can utilize information machinery effectively based on right information ethics. | | | The student understand i ethics and ut nformation i | information tilize | | dent can util nation mach | | The student dose not reach the following. | | |
| Achievement 2 | The student can explain mechanism of a Web | | The student exhibits a W | t makes and eb page. | The s Web p | student mak bage. | es a | The student dose not reach the following. | | | |
| Achievement 3 | 3 information field which | | | The student basic knowle the informat which can fit specifically. | edge about ion field | the ou knowl inform | student can explain outline of basic /ledge about the mation field which it each field. | | The student dose not reach the following. | | |
| Assigned Department Objectives | | | | | | | | | | | |
| Teaching Method | | | | | | | | | | | |
| | General or S Field of learn Foundationa | Specialized : S hing : Informa I academic di | ation, r scipline | measuremer es : Overall | nt and contro territory/ info | l rmatics | s/ computer | system | network | | |
| Outline | This class is be utilized for | or a design of | a mac | Knowledge of the second s | of specialized system, a pol | field te icy and | chnology is practical us | acquired e is learr | and the ability which can ned". | | |
| | The main go | - | | | s class is "(C) and (C-1)", also "(A-1) and (C-2)"is involved. | | | | | | |
| | ethics, is lea | l information- ailed to the p | to util | ize a compu | iter and a net | ent of th g it for work si | ne computer various ope uch as utiliza | literacy ration m ation of i | ability as the everyday ethod and information nformation, information | | |
| | Course meth The student | | oy a PC | in the appli | ication semina | ar room | n in an overa | all inform | nation center mainly. | | |
| Style | | ation method anding and th ent 20% | | omplishment | t which face e | ach pro | oblem (repo | rt and w | ork), 80% and | | |
| | This class is semester ho | on the enrollr "subject whic our together w in charge abo | ch requ vith lea | uires learning arning outsic rning in sch | g in schooltim le the schoolt ooltime outsio | ne outsi ime coi de. | ide". Learnir ncerned and | ng for 45 I the sch | hours is needed per a ooltime. Follow directions | | |
| Notice | Course advice : 1. Review the contents of a subject and a practice related to information processing technology of each department as the learning of preparations performed beforehand. 2. It's possible to take one of Basic practice II in Information processing or Applied practice II in informatio processing in the latter period. | | | | | | | | | | |
| | Foundationa Subject and | l subjects : practice relat | ed to i | nformation | processing te | chnolog | gy of each d | epartme | nt | | |
| | Attendance When it's wi 3 times of la | thin class star | rting fo | or 20 minute | es, it's made l | atenes | s and 1 defi | cit is don | e with the department by | | |
| Characteristics of | Class / Di | vision in Le | earnin | ng | 1 | | | | | | |
| Active Learning | | Aided by IC | СТ | | Applicabl | e to Re | emote Class | Ins Experi | structor Professionally enced | | |
| Course Plan | | | | | | | | | | | |
| Course Plan | | | | | | | | | | | |

| | | | Theme | | | Goals | | | |
|-------------------------------|--------------------|---------|---------------------------------------|--|-----------------|---|---------------------------------|----------------|--|
| | | 1st | Guidance and sys information cente | tem configuratior r. | n in an overall | Understanding of overall information | f a system config on center. | juration in an | |
| | | 2nd | Notice of network | use and use of a | ın e-mail | Notice of network use and use of an e-mail | | | |
| | | 3rd | Investigation abouinternet | ut the problem fo | r using the | Investigation about the problem for using the internet | | | |
| | 1st Quarter | 4th | Investigation repo | ort and discussior | 1 | Investigation rep | ort and discussion | on | |
| | 5th | | About the kanji us | sed on the compu | iter. | About the kanji u | used on the comp | outer. | |
| | | 6th | Basis of a prograr | nming (1) | | Basis of a progra | mming | | |
| | | 7th | Basis of a prograr | nming (2) | | Basis of a progra | mming | | |
| 1st Semeste | | 8th | Basis of a prograr | nming (3) | | Basis of a progra | mming | | |
| r | | 9th | Basis of a prograr | nming (4) | | Basis of a progra | mming | | |
| | | 10th | Programming pro | blem (1) | | Programming pro | oblem | | |
| | | 11th | Programming pro | blem (2) | | Programming problem | | | |
| | 2nd | 12th | About markup lan | guage for Web p | age. | About markup la | nguage for Web | page. | |
| | Quarter | 13th | Making of an easy | Web page | | Making of an eas | y Web page | | |
| | | 14th | Making of a Web | page about each | study (1) | Making of a Web | page about each | n study | |
| | | 15th | Making of a Web | page about each | study (2) | Making of a Web | page about each | n study | |
| | | 16th | Revival of a home sound and an anim | page with a mov mation | vement, a CGI, | Revival of a home page with a movement, a CGI, sound and an animation | | | |
| Evaluat | ion Met | hod and | Weight (%) | | | | | | |
| | Examination Presen | | | Mutual Evaluations between students | Behavior | Portfolio | Other | Total | |
| Subtotal | 0 | | 20 | 0 | 0 | 80 | 0 | 100 | |
| Basic Proficienc | | | | 0 | 0 | 0 | 0 | 0 | |
| Specialized 0 20 | | | 0 | 0 | 80 | 0 | 100 | | |
| Cross Area Proficiency 0 0 | | | | 0 | 0 | 0 | 0 | 0 | |

| Tsuyama Co | ollege | Year | 202 | 21 | | | Course Title | | ce in Information ssing I |
|---|--|---|---|---|--|------------------------|--|--|--|
| Course Information | on | | | | | | | | |
| Course Code | 0013 | | | | Course Cate | gory | y Specialized / Elec | | ctive |
| Class Format | Lecture | | | | Credits School Credit: 1 | | | Credit: 1 | |
| Department | System Engin | ectronics and neering Cours | | mation | Student Grad | de Adv. 1st | | | |
| Term | First Semeste | er | | | Classes per \ | Neek | 2 | | |
| Textbook and/or Teaching Materials | | | | | | | | | |
| Instructor | TERAMOTO 1 | Fakayuki | | | | | | | |
| Course Objective | | | | | | | | | |
| Learning purposes : 1 judge and evaluate in | o acquire info formation. | ormation proc | essin | g skills throu | gh exercises a | and to | o deepen the | knowled | lge and skills necessary to |
| Course Objectives : 1. To be able to creat 2. To be able to use s 3. To be able to solve | spreadsheet so | oftware to orc | s for e ganize | each researcl e data and cr | h topic. eate effective | grap | hs for their c | wn resea | arch topics. |
| Rubric | | | | | | | | | |
| | Excellent | t | | Good | | Acce | ptable | | Not acceptable |
| Achievement 1 | To be able to prepare documents at the level to documents be submitted to with the for | | | | n accordance nat of nferences on | To b refor | e able to pre matted docu research top | iment on | Cannot create a |
| Achievement 2 | Be able to use spreadsheet software to organize data and create effective graphs on their own research topics at a lowed that can be used in graphs for t | | To be able to spreadsheet organize gen and create e graphs for th research top | software to neral data ffective neir own | To be able to use spreadsheet software to organize data and create effective graphs for their own research topics to some extent. | | ware to d create for their | Cannot organize data and create effective graphs using spreadsheet software in relation to their own research theme | |
| Achievement 3 | problem | ble to solve s by fully utili e for a given t | izing | To be able to software to s problem. | o use solve a given | en problem by using or | | | Cannot solve a problem or propose a solution to a given problem. |
| Assigned Departr | nent Obiec | tives | | | | | | | |
| Teaching Method | | | | | | | | | |
| | | pecialized : S | pecial | ized | | | | | |
| | Field of learn | ing : Experim | nent a | nd practice | | | | | |
| | Foundational science relate | academic dis ed, computer | sciplin syste | es : Informa ems related, | ition science, software relat | inforn æd | nation engin | eering an | nd related fields/ Statistical |
| Outline | Relationship knowledge". | with Educatio | onal O | bjectives :Th | nis class is equ | uivale | nt to "(2) Ac | quire bas | sic science and technical |
| | Relationship information t | with JABEE p echnology, C | rogra -1", a | ms :The mai Ilso "A-1, " a | in goals of lea nd "C-2" is in | rning volved | / education d. | in this cla | ass are "(C)Mastery of |
| | Course outline : Information retrieval, organization, management and integration, presentation, and information dissemination using information technology are the literacy skills of modern engineers. In this course, students who have already mastered the basic literacy skills are given exercises to acquire more advanced application skills, customization skills, and expression skills. Mastery of information technology | | | | | | | | |
| Style | students can write reports | acquire the c to deepen th | overal neir ur | l knowledge nderstanding | required for in | nform stude | nation proces | sina. Stu | II be conducted so that Idents are required to tations and presentations |
| Grade evaluation method : Planning and execution of exercises and submission of assignments 50%. Participation in the presentation and discussion 40%. Results of peer evaluation of presentations and submitted assignments 10%. | | | | | | | ssignments 50%. presentations and | | |

| Precautions on the enrollment : This is a class that requires study outside of class hours. A total of 45 hou of study is required per credit, including both class time and study outside class time. Follow the instruction of the instructor regarding study outside of class hours.Course advice : This course cannot be taken at the same time as Seminar in Fundamental Information Processing I. However, it is possible to take Seminar in Fundamental Information Processing II or Seminar Applied Information Processing II. As a preparatory study to be done in advance, research information on papers of the conference to which you belong. In addition, review how to use the seminar room.NoticeFoundational subjects : Courses and exercises related to information processing in each department Related subjects : Engineering Ethics (1st year), Information Processing Application Exercise II (1st year) Attendance advice : The contents are independent of each other, so that students can study by themselve from anywhere. Due to the nature of the course, it is not necessarily necessary to be familiar with all the topics, but the focus is on information processing techniques that are necessary for engineers to write rep and papers and to present at conferences. Students are encouraged to deepen the necessary parts accord | | | | | | | | | | | |
|--|----------------|-------------|---|--|-------------------------------------|--|--|-------------------------------------|--|--|--|
| | | topics, | but the focus is on pers and to present own themes. It is r ssary to make effort | information proce at conferences. | essing technique Students are en | s that are necessa couraged to deepe | ary for engineers on the necessary | to write reports parts according | | | |
| Charact | eristics | of Class | / Division in Lea | arning | 1 | | 1 | | | | |
| Active | Learnin | g | □ Aided by IC | Т | □ Applicable t | o Remote Class | Instructor Pr Experienced | ofessionally | | | |
| Elect | ive | Subje | cts | | | | • | | | | |
| Course | Plan | 1 | | | | 1 | | | | | |
| | | | Theme | | <u></u> | Goals | | | | | |
| | | 1st | General explanatic with Basic Informa [Guidance]. | | | Understanding th | e Overview | | | | |
| | | 2nd | Registration in the personal informati [Setting]. | | | Able to set up the the exercise. | e exercise enviro | nment and start | | | |
| | | 3rd | Exercises to maste techniques (forma unification). | | | Understand basic document creation techniques (formatting, document style unification) and confirm the contents through exercises. | | | | | |
| | | 4th | Exercises to master document creation | er the basic techn n (cross-referenci | niques of ng). | Understand the b creation (cross-re content through | eferencing) and c | of document onfirm their | | | |
| 1st Quar 1st Semeste | 1st Quarter | 5th | Exercises to master techniques (image | er basic documen e processing, etc. | t creation). | Understand basic (e.g., image proc contents through | essing) and conf | | | | |
| | | 6th | Workflow creation | exercise. | | Understand the c confirm its conter | | | | | |
| | | 7th | Exercises with free PDF files. | e software, includ | ling creating | Understand free s creation, and rev exercises. Exercises with fre PDF files. | iew its contents t | hrough | | | |
| r | | 8th | Exercises in basic techniques and ma | spreadsheet soft acro language (1) | ware) | To understand the basic skills of spreadsheet software and exercise 1 macro language, and to confirm the contents through exercises. | | | | | |
| | | 9th | Exercises in basic techniques and ma | | | To understand th software and exe to confirm the co | rcise 2 of macro | language, and | | | |
| | | 10th | Exercises in sprea | dsheet software a | applications (1) | Understand sprea exercises and cor practice.(1) | adsheet application of the second sec | on example nt through | | | |
| | | 11th | Exercises in sprea | dsheet software a | applications (2) | Understand spreadsheet application example exercises and confirm their content through practice.(2) | | | | | |
| | 2nd Quarter | 12th | Exercises in sprea | dsheet software a | applications (3) | Understand sprea exercises and cor practice.(3) | adsheet application of the second sec | on example nt through | | | |
| | | 13th | Preparation and plassignment (1) | resentation of a c | comprehensive | Comprehensive p understanding ar | presentation to co | onfirm | | | |
| | | 14th | Preparation and plassignment (2) | resentation of a c | comprehensive | Comprehensive p understanding ar | presentation to co | onfirm | | | |
| | | 15th | | | | | | | | | |
| _ | | 16th | | | | | | | | | |
| Evaluat | ion Met | thod and | Weight (%) | Mutural | 1 | | 1 | | | | |
| | E | ixamination | Presentation | Mutual Evaluations between students | Behavior | Problem | Other | Total | | | |
| Subtotal | 0 | | 40 | 10 | 50 | 0 | 100 | | | | |
| Basic Proficienc | | | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Specialize | ed o |) | 40 10 0 50 0 100 | | | | | | | | |

| Cross Area Proficiency 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-----------------------------|---|---|---|---|---|---|
|-----------------------------|---|---|---|---|---|---|

| Tsuyama Co | ollege | Year | 2021 | | | (| Course Title | | Practice in nation Processing II | | | |
|--|---|--|-----------------------------|---|---|---------------------------------|---|------------------------|--|--|--|--|
| Course Informati | on | I | | | | | | | _ | | | |
| Course Code | 0014 | | | | Course Cate | jory | Specializ | ed / Elec | tive | | | |
| Class Format | Lecture | | | | Credits | | School C | redit: 1 | | | | |
| Department | | ectronics and neering Cours | | mation | Student Grad | de | Adv. 1st | | | | | |
| Term | Second Sem | ester | | | Classes per V | Neek | 2 | | | | | |
| Textbook and/or Teaching Materials | | | | | | | | | | | | |
| Instructor | TAKETANI H | lisashi | | | | | | | | | | |
| Course Objective | S | | | | | | | | | | | |
| Learning purposes : A basis of a system o Beginner's course acc Course Objectives : 1. The student can a | quisition of Vis | sio (figure ma s of UNIX and | king s utiliz | software with e programing | the high fun | t for a p | roblem sol | ution. | | | | |
| It's possible to utili An electric circuit a | ze numerical and a network | formula proce figure can be | essing e mad |) software an le in Visio. | ia pnysicai sin | nulation | software. | | | | | |
| Rubric | | | | | | | | | | | | |
| | Excellen | it | | Good | | Accepta | able | | Not acceptable | | | |
| Achievement 1The UNIX environment can be put to good use in a problem solution.The student can acquire a basis of UNIX and utilize programing environment.The student can use programing environmentThe student dose not reach the following. | | | | | | | | | | | | |
| Achievement 2 | Achievement 2The student can utilize appropriate software and do a problem solution.The A student can utilize numerical formula processing software and physical simulation software.The student can use numerical formula processing software and physical simulation software.The student dose not reach the following. | | | | | | | | | | | |
| Achievement 3 | | dent can utiliz or each proble | e m | The student electric circu network figu VISIO. | | basic e | udent can c lectric circu k figure us | uit and | The student dose not reach the following. | | | |
| Assigned Departr | nent Objec | tives | | | | | | | | | | |
| Teaching Method | - | | | | | | | | | | | |
| | Field of learr Foundationa Relationship | pecialized : S ning : Informa l academic dis with Educatic equivalent to | ition, sciplin onal C | measuremen nes : Overall)biectives : | territory/ info | rmatics/ | | | network I and the ability which can ned". | | | |
| Outline | Relationship | with JABEE p | rogra | ims : | | | | | ned". d (C-2)"is involved. | | | |
| | Course outlin The compute Information technology h | ne : er literacy abil Processing is | lity lea under e in a | arned in Basi rstood about place of lear | c practice I in a system of t | Inform he UNI) | ation Proce K which be | essing or comes a | Applied practice I in basis of a computer h the basic command as a | | | |
| | Course meth The student | | y a P(| C in the appli | cation semina | ir room | in an overa | all inform | nation center mainly. | | | |
| Style | | ation method anding and th ent 20% | | omplishment | which face e | ach prol | blem (repo | rt and w | ork), 80% and | | | |
| | This class is semester ho | on the enrolln "subject whic ur together w in charge abc | h req ith le | uires learning arning outsid | g in schooltim le the schoolti ooltime outsic | e outsid me con le. | le". Learnir cerned anc | ng for 45 I the sch | hours is needed per a ooltime. Follow directions | | | |
| Notice | 12. Even if it's | e contents of s the learning | n can | be taken in t | he first term. | tion Prod prehand Basic P | cessing and I. ractice I in | d Appliec Informa | l practice I in Information tion Processing and or | | | |
| | Foundationa Basic Practic | l subjects : æ I in Informa | ation I | Processing ar | nd or Applied | practice | e I in Infor | mation P | Processing. | | | |
| | Attendance a When it's wi 3 times of la | thin class star | ting f | for 20 minute | es, it's made l | ateness | and 1 defi | cit is don | e with the department by | | | |
| Characteristics of | Class / Div | vision in Le | arnii | ng | | | | | | | | |
| Active Learning | | Aided by IC | Т | | Applicable | e to Ren | note Class | Instant | structor Professionally ienced | | | |
| Course Plan | | | | | | | | | | | | |

| | | | Theme | | | Goals | | | | |
|--------------------------|-------------------------------|------------|---|--|---------------------------|---|---------------------|-------------------|--|--|
| | | 1st | Guidance | | | | | | | |
| | | 2nd | Numerical formula | processing soft | "maxima" | Numerical formula processing soft "maxima" | | | | |
| | 24 | 3rd | Numerical formula Equation, simultar differential and int | a processing by " neous equation, p egral calculus | maxima" procession and | Numerical formula processing by "maxima" Equation, simultaneous equation, procession and differential and integral calculus | | | | |
| | 3rd Quarter | 4th | Physical simulation | n by "Phun" (1) | | Physical simulation | on by "Phun" | | | |
| | | 5th | Physical simulation | n by "Phun" (2) | | Physical simulation | on by "Phun" | | | |
| | | 6th | Presentation of Ph | esentation of Physical simulation object | | | hysical simulatio | n object | | |
| 2nd | | 7th | CentoOS guide | entoOS guide | | | | | | |
| Semeste | | 8th | Environmental improvement on CentoOS | | | Environmental in | nprovement on C | entoOS | | |
| | | 9th | C programming on CentoOS (1) | | | C programming of | on CentoOS | | | |
| | | 10th | C programming on CentoOS (2) | | | C programming on CentoOS | | | | |
| | | | C programming or | n CentoOS (3) | | C programming of | on CentoOS | | | |
| | 4th | 12th | Basic knowledge a | about Unix, job co | ontrol and shell | Basic knowledge | about Unix, job | control and shell | | |
| | Quarter | 13th | File system and be | ehavior of all kind | ds' command | File system and I | pehavior of all kir | nds' command | | |
| | | 14th | Shell programmin | g on CentoOS | | Shell programmi | ng on CentoOS | | | |
| | | 15th | File operation by s | shell | | File operation by shell | | | | |
| | | 16th | Basic operation of | Visio | | Basic operation of Visio | | | | |
| Evaluati | ion Met | hod and | Weight (%) | | | | | | | |
| | E | xamination | Presentation | Mutual Evaluations between students | Behavior | Portfolio | Other | Total | | |
| Subtotal | 0 | | 20 | 0 | 0 | 80 | 0 | 100 | | |
| Basic Proficienc | y O | | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Specialize Proficienc | | | 20 | 0 | 0 | 80 | 0 | 100 | | |
| | Cross Area Proficiency 0 C | | 0 | 0 | 0 | 0 | 0 | 0 | | |

| Tsuyama CollegeYear2021Course TitlePractice in Informatio Processing II | | | | | | | | | | | |
|---|--|---|---|--|---------------------------------|---|--|--|--|--|--|
| Course Information | on | | | - | | | | | | | |
| Course Code | 0015 | | | Course Cate | gory | Specializ | | tive | | | |
| Class Format | Lecture | ectronics and | Information | Credits | | School C | | | | | |
| Department | System Engi | neering Cours | | Student Grad | | Adv. 1st | | | | | |
| Term Textbook and/or | Second Sem | ester | | Classes per | Week | 2 | | | | | |
| Teaching Materials | | | | | | | | | | | |
| Instructor | TERAMOTO 7 | Takayuki | | | | | | | | | |
| Course Objective | | | | | | | | | | | |
| judge and evaluate in | o acquire info formation. | ormation proc | essing skills thro | ough exercises a | and to | deepen the | knowled | ge and skills necessary to | | | |
| Course Objectives : 1. Understand the con 2. To be able to creat 3. To be able to creat | mposition sys e a manual fo e appropriate | tem and be all or using the sy schematics, f | ole to create the stem and to exp lowcharts, and | necessary doc plain how to us Gantt charts for | uments e it to c r use in | s. others. 1 papers and | l other d | ocuments. | | | |
| Rubric | | | | | | | | | | | |
| | Excellen | t | Good | | Accep | table | | Not acceptable | | | |
| Achievement 1 | be able docume | ing system ar to create nts at a level f submitted to | typesetting | system and create general | typese be abl necess | stand the etting syster le to create sary docum extent. | | Cannot create documents that meet the purpose. | | | |
| Achievement 2 | To be al manual system, | ole to write a | To be able manual for system and explain to o use it. | | To be manua syster | al for using | ate a the TeX | Cannot write a manual for using the TeX system. | | | |
| Achievement 3 [fowcharte, Capit charte, Jfowcharte, Capit charte, Jfowcharte, Gant diagram, flowchart, Gantt diagram, | | | | | Gantt chart for a given | | | | | | |
| Assigned Departr | nent Objec | tives | | | | | | | | | |
| Teaching Method | 1 | | | | | | | | | | |
| | General or S | pecialized : Sp | pecialized | | | | | | | | |
| | Field of learn | ning:Experim | ent and practice | 2 | | | | | | | |
| | Foundational academic disciplines : Information science, information engineering and related fields/ Statistical science related, computer systems related, software related | | | | | | | | | | |
| Outline | Relationship knowledge". | Relationship with Educational Objectives : This class is equivalent to "(2) Acquire basic science and technical knowledge". | | | | | | | | | |
| | Relationship with JABEE programs :The main goals of learning / education in this class are "(C)Mastery of information technology, C-1", also "A-1, " and "C-2" is involved. | | | | | | | | | | |
| | | Course outline : In this class, students who have already mastered basic computer literacy skills are given exercises to acquire more advanced system management skills, teaching skills for beginners, and expressive skills | | | | | | | | | |
| Style | students can write reports | acquire the c to deepen th | overall knowledg | e required for in ng. In addition, | nforma studen | tion proces | sina. Stu | be conducted so that dents are required to ations and presentations | | | |
| | Participation | ation method in the presen ssignments 10 | tation and discu | execution of exe ssion 40%. Res | ercises a sults of | and submise peer evalua | sion of as ation of p | ssignments 50%. resentations and | | | |
| | Precautions of study is re | on the enrollm | nent : This is a c | oth class time a | res stuc and stuc | dy outside o dy outside o | f class ho class time | ours. A total of 45 hours e. Follow the instructions | | | |
| | Processing I. Applied Infor | However, it i mation Proce | s possible to tak | e Seminar in Fi paratory study | undam | ental Inform | nation Pr | nental Information ocessing II or Seminar in some preliminary | | | |
| Notice | Foundational | l subjects : Co | ourses and exerce | ises related to | informa | ation proces | sing in e | ach department | | | |
| | | | ering Ethics (1st sic Exercise I (1 | | ation Pr | rocessing Ap | oplication | Exercise I (1st year), | | | |
| | from anywhe topics, but th and papers a to their own | ere. Due to the ne focus is on and to present themes. It is | e nature of the c information pro- at conferences. necessary to ge | course, it is not cessing techniq Students are e t used to the er | necess ues that encoura | sarily necess at are neces aged to deep nent of the o | sary to be sary for pen the r exercises | an study by themselves e familiar with all the engineers to write reports necessary parts according and at the same time, it be performed in each | | | |

| Charact | eristics | of Class / | Division in Lea | arning | | | | | | |
|-------------------------|----------------|--|---|--|-------------------------------------|--|-------------------------------------|------------------------------|--|--|
| Active | Learning | | □ Aided by ICT | Г | Applicable | to Remote Class | Instructor Presenced | rofessionally | | |
| Elect | ive | Subjec | ts | | | | | | | |
| Course | Plan | | | | | 1 | | | | |
| | | | Theme | | | Goals | | | | |
| | | 1st | Overview [Guidand | | | Understanding th | | | | |
| | | 2110 | Overview of the Telearning environment | ent and exercises | 5.(1) | Understand the T an exercise envir | onment.(1) | • | | |
| | | 3rd | Overview of the Te learning environme | eX system, const ent and exercises | ruction of the s.(2) | Understand the T an exercise envir | onment.(2) | | | |
| | | 4th | Learning about the plate making syste | e history and tech ems | nnology of | Understand the h typographical sys contents through | stems and be abl | ology of e to confirm the | | |
| | 3rd Quarter | ^r Sth Exercises on handling metafonts, PostScript fonts, and image files (EPS, etc.), and be abl onfirm the contents in exercises. Exercises on handling metafonts, PostScript fonts, and image files (EPS, etc.), and be abl confirm the contents in exercises. Exercises on handling metafonts, PostScript for and image files (EPS, etc.) | | | | | | | | |
| | | 6th | jLaTeX manual wr | Understand the j check the conten | LaTeX manual ar ts through exerc | nd be able to ises.(1) | | | | |
| 2 | | 7th | jLaTeX manual wr | iting exercise (2) | | Understand the jLaTeX manual and be able to check the contents through exercises.(2) | | | | |
| Semeste r | emeste | | jLaTeX manual wr | iting exercise (3) | | Understand the j check the conten | LaTeX manual ar ts through exerc | nd be able to ises.(3) | | |
| | | 9th | jLaTeX manual wr | iting exercise (4) | | Understand the j check the conten | LaTeX manual ar ts through exerc | nd be able to ises.(4) | | |
| | | | Create flowcharts using Visio(1) | and various desig | gn drawings | Understand how types of blueprint confirm the conte | ts using Visio and | d be able to | | |
| | | 11th | Create flowcharts using Visio(2) | and various desig | gn drawings | Understand how to create flowcharts and various types of blueprints using Visio and be able to confirm the contents through exercises(2) | | | | |
| | 4th Quarter | 12th | Preparation for lec drawings using Vis | tures on various sio | design | Understand various design drawings in Visio and be able to confirm the contents through exercises | | | | |
| | | 13th | Lecture on various | design drawings | s using Visio(1) | Understand and be able to explain various design drawings in Visio to others(1) | | | | |
| | | 14th | Lecture on various | s design drawings | s using Visio(2) | Understand and I drawings in Visio | be able to explain to others(2) | n various design | | |
| | | 15th | | | | | | | | |
| | | | Summarize the exercise evaluation | ercise and condu | ct a peer | Summarize the e evaluation | xercise and cond | luct a peer | | |
| Evaluati | on Met | hod and V | Veight (%) | | | | | | | |
| | E> | amination | Presentation | Mutual Evaluations between students | Behavior | Problem | Other | Total | | |
| Subtotal | 0 | | 40 | 10 | 0 | 50 | 0 | 100 | | |
| Basic Proficiency 0 | | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Specialized 0 | | | 40 | 10 | 0 | 50 | 0 | 100 | | |
| Cross Are Proficienc | | | 0 | 0 | 0 | 0 | 0 | 0 | | |

| Tsuyama Co | ollege | Year | 202 | 1 | | | Cou Tit | | Comp | uter System eering | |
|--|---|---|-------------------------------|---|--|--|---|---------------------------|------------------------------|--|--|
| Course Information | on | | | | | | | | | | |
| Course Code | 0016 | | | | Course Cate | gory | Sp | ecializ | ed / Elec | tive | |
| Class Format | Lecture | | | | Credits | | Ac | ademi | c Credit: | 2 | |
| Department | | ectronics and neering Cours | | mation | Student Grad | lent Grade Adv. 1st | | | | | |
| Term | Second Sem | ester | | | Classes per | Week | eek 2 | | | | |
| Textbook and/or Teaching Materials | | | | | | | | | | | |
| Instructor | MIYASHITA | Takuya | | | | | | | | | |
| Course Objective | S | | | | | | | | | | |
| Learning purposes : L main technologies use able to design logic ci | ed in it. In ad | e structure of dition, be able | f a con e to ex | nputer and t cplain the co | he functions rrespondence | of the betw | e compo veen log | onents gical fo | actually ormulas a | used, and understand the and logic circuits, and be | |
| Course Objectives : 1. Explain the role of 2. A simple combinati 3. Explain the position 4. Explain the role and | on logic circu 1 of the opera | it and a simplating system in | le sequin the o | uential circui | t can be desid | en the gned. | em. | | | | |
| Rubric | | | | | | | | | | | |
| | Excellen | t | (| Good | | Acce | ptable | | | Not acceptable | |
| Achievement 1 | of the find including devices, | the roles of ea ve major devi g peripheral and the flow tween them. | vices, | Explain the r of the five m and the flow between the | ajor devices of data | evices A brief explanation can It h | | | | It has not reached the left. | |
| Achievement 2 | applied circuits | sible to design combination l and simple ial circuits. | logic | A simple con logic circuit a sequential ci designed. | and a simple | Explain the operation of a given simple combinational circuit. | | | It has not reached the left. | | |
| Achievement 3 | function operatin | concretely the s and roles of og system in er systems. | f the E | Explain the p the operating | | | | | ting h minor | It has not reached the left. | |
| Achievement 4 | Explain using a | programming compiler in de | g o letail. r | Be able to gi overview of t mechanism o compiler. | the role and | betw inter | ain the veen co preters mblers | mpiler s, and | | It has not reached the left. | |
| Assigned Departr | nent Objec | tives | | | | | | | | | |
| Teaching Method | | | | | | | | | | | |
| | General or S | pecialized : S | Speciali | ized | | | | | | | |
| | | ning : Informa | • | | rol | | | | | | |
| | Foundationa | - | iscipline | es : Informa | | ation S | Science | e, Infor | mation I | Engineering and Related | |
| Outline | Relationship technical fiel for the desig | with Education ds related to n, manufactu | onal Ol electri ure, an | bjectives : T city / electro d operation | his class is econics and info of machines a | juivale rmatic and sy | ent to ' on / co /stems | '(2) Ac ntrol, a ". | quire kn and acqu | owledge in specialized lire the ability to utilize it | |
| | | | | | | | | | | iss are "(A) , A-2: | |
| | Course outlin | | will be | e given on ba | asic technoloc | - | | | | basic knowledge on | |
| | Course meth | od : Classes v | will be | e conducted | usina textboo | ks, ce ary. A | entered Iso, im | on bo pose e | ard writi xercises | ng. In addition, related to deepen understanding. | |
| Style Grade evaluation method : Equally evaluate the results of the two regular exams (80%, mid-term exams: final exams = 1:1). • Each exam does not allow notebooks to be brought in. • For those who have less than 60 points in each Regular Exams, the points may be changed if their understanding can be confirmed by supplementary lessons and re-exams. However, the evaluation after change shall not exceed 60 points. Evaluate by exercises and reports assignment (20%). | | | | | | | | e changed if their | | | |

| | | | Precautior of study is of the inst | ns on the enrollme required per cre ructor regarding | ent : This is a cla dit, including bot study outside of | ass that requires th class time and class hours. | study outside of study outside cla | class hours. A tot ass time. Follow t | al of 45 hours he instructions | | |
|--------------------------|---------------|------------|--|--|---|--|--|--|-----------------------------------|--|--|
| | | | with inter | vice : There are r est in order to bro sted as preparato | oaden your horiz | ons as an engine | ther than your ow eer. Make sure to | n specialty, but y check the conten | ou should study ts of the basic | | |
| Notice | | | Electronic | Information Circu | uit (5th vear of e | lectrical and ele | year of electrical a ctronic), Introduct), Digital Engineer | ion of Computer | (3rd vear of | | |
| | | | | ubjects : Informat | tion System Exer | cise I, II (2nd y | ear), Special Lectu | ure on Numerical | Analysis (2nd | | |
| | | | Attendanc | ld like vou to thin | k deeply and lea | rn the essence r | that has already b ather than superf •) of class time (= | icial shallow learr | iis department, iing and | | |
| Charact | orictic | | | Division in Lea | | 1/4 (= 0.5 11001 | | 2 11001). | | | |
| | | | | □ Aided by ICT | | Applicable t | o Remote Class | Instructor Pr | ofessionally | | |
| | | 5 | hicct | , | | | | Experienced | | | |
| Course | | e subjects | | | | | | | | | |
| Course | | | Т | heme | | | Goals | | | | |
| | | | | | er overview | Goals | | | | | |
| | | 1: | st L a | Guidance, computer overview Learning content outside class hours: Report assignments are assigned to each learning content as appropriate. The report must be submitted by the specified date. | | | | | | | |
| | | 2 | nd D | ata representatio | n on a computer | - | Understand how numbers. | to convert and ha | andle binary | | |
| | 3rd Quarte | r ⊢ | | oolean algebra ar | nd digital circuits | (1) | Understand simp | le combination lo | gic circuits. | | |
| | Quarte | 4 | th B | oolean algebra ar | nd digital circuits | (2) | Understand simp | le combination lo | gic circuits. | | |
| | | 51 | th B | inary arithmetic a | and arithmetic cir | rcuits | Understand binar | • | otractors. | | |
| | | 61 | th № | licroprocessor arc | chitecture | | Understand the in microprocessors. | nstruction set of | | | |
| | | 71 | th M | licroprocessor ins | tructions and ad | dressing | Understand vario | us addressing. | | | |
| 2nd Semeste | | 81 | th M | lemory | | | Understand the types and characteristics of memory. | | | | |
| r | | 9 | th 2 | nd semester mid- | -term exam | | Check what you have learned so far | | | | |
| | | 1 | 0th II | nterface | | | Understand the c computers and p | | | | |
| | | 1 | 1th P | eripherals | | | Understand perip examples. | heral devices bas | sed on specific | | |
| | 4th | 1 | 2th S | oftware | | | Understand the s | tructure and feat | ures of | | |
| | Quarte | er 13 | 3th N | letwork | | | Understand the c the IP address ar | | work based on | | |
| | | 14 | 4th C | omputer System | | | Analytical unders between failure r | tanding of the re ate and system r | lationship eliability. | | |
| | | 1 | 5th (2 | 2nd semester fina | al exam) | | Check what you | | | | |
| | | 1 | 6th R | eturn and comme | entary of exam a | nswers | Check and repair insufficient | areas where lear | rning is | | |
| Evaluation Method and W | | d and W | eiaht (%) | | | | | | | | |
| | Examination | | Presentation | Mutual Evaluations between students | Behavior | Portfolio | Other | Total | | | |
| Subtotal | | | 0 | 0 | 0 | 20 | 0 | 100 | | | |
| Basic Proficienc | | | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Specialize Proficienc | pecialized | | | 0 | 0 | 0 | 20 | 0 | 100 | | |
| Cross Are Proficienc | | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | | | | | | | | | | |

| Tsuyama CollegeYear2021Course TitleSpecial Lecture on Information Systems | | | | | | | Specia Inform | Il Lecture on nation Systems |
|--|---|--|--|--|---------------------------|---|-------------------------------------|---|
| Course Information | on | | | | | | | |
| Course Code | 0017 | | | Course Cate | gory | Specializ | ed / Elec | tive |
| Class Format | Lecture | | | Credits | | Academi | c Credit: | 2 |
| Department | | ectronics and neering Cours | | Student Grad | de | Adv. 1st | | |
| Term | , First Semest | 0 | | Classes per V | Week | 2 | | |
| Textbook and/or Teaching Materials | | | , online resour | ces and so on th | at the | students fin | d | |
| Instructor | ONISHI Atsu | shi | | | | | | |
| Course Objectives Learning purposes : Improving skill to utili familiar information sy | ze informatio | n and the info | rmation syste | ms appropriately | and sa | afely by und | erstandir | ng the structure of the |
| Course objectives : 1. To investigate the of 2. To understand wha 3. To explain the pictu | it another stu | dents explain | ed and to utiliz | ze them appropria | ately to utiliz | ze it appropr | iately | |
| Rubric | | | | | | | | |
| | Excellen | | Good | | Accep | otable | | Not acceptable |
| Achievement 1 | problem error, ar annound | ate the given without an od he can ce findings at en it was | problem another s | te the given with help of students, and he y announce | the r invest given | student can o minimum tigation abou problem an in findings. | ut the | The student can't conduct the minimum investigation about the given problem or he can't announce the minimum. |
| Achievement 2The student attend the announcement of other students and he can ask appropriate questions and he can utilize theirThe student attend the announcement of other students and he can utilize theirThe student attend the announcement of other students and he can utilize their | | | | The student can't do the announcement that is not in conflict with announcement of other students. | | | | |
| Achievement 3 | The stud investiga designat system o | | The stud- investiga designate system e | te the ed information | the m | student can c ninimum tigation abou nated inform m | ut the | The student can't investigate the minimum about the designated information system. |
| Assigned Departn | nent Ohiec | tives | | | 39300 | | | |
| Teaching Method | | | | | | | | |
| Outline | Field of learn Foundational system-relat Relationship This class is control and a some system Relationship | l academic dis ed, Information with Education equivalent to acquire the sk ". with JABEE p | tion · Control, 1 ciplines : Info on network-rel nal Objectives "(2) Acquire tl ill to utilize the rograms : | ated : ne specialized tec ese knowledge to | Comp chnical desigr | uter Enginee knowledge a n, manufactu | ering and about ele ure and a | related fields / Comupter ectronics, information application of machinery or and "F-1" are involved. |
| | This class tre | tion system is eats a techniq | aggregate of ue to build suc ation system. | a lot of technique ch a complicated | es and inform | it is related ation system | to the sc n approp | ene of every learning. riately and a basic way of |
| Course method : The students don't hear the lecture that the teacher performs but investigate the designated problems ab some information system based on own leaning and announce findings. And the students deepen understanding by summarizing these findings in a report. The reports are shared among the students. The examples of the problem are as follows.StyleThe component of the PC and expansion method of PC function The peripheral device of the PC and standard for the connection The duty of the operating system and the characteristic of each operating system The trends of VR, AR, MR system The personal identification method The trends of the cloud service The trends of the computer security | | | | | | | | dents deepen |
| | | ation method ess for the inv | | the announceme | ent(50 | %) + Report | ts(50%) | |

| | | This is includi | itions on the enrolln a class that require ng both class time a outside of class hou | s study outside of and study outside | f class hours. A class time. Follo | total of 45 hours of the instructions | of study is require s of the instructo | ed per credit, r regarding | | | |
|--------------------------|----------------------------------|--|---|--|---|---|---|----------------------------------|--|--|--|
| | | As a p have c | e advice : reparatory study, th jotten previously. Ai udent shuld teach o | nd the students sh | nould pay attent | ion to news about | ut computers tha information-orie | t the students inted society. | | | |
| Notice | | Systen | tional subjects : Info n(5th) d subjects : Compu | | | | ters(3rd), Compi | uter | | | |
| | | Attend When require assign all rep | lance advice : the student is abser ed to hear the all an ed to the examination ort will not be accep student is late for th | nt, he should shar nouncement of ot on to check wheth tred. | e the missing co her students. If her they share th | ontents with other absence is over for the missing conten | our hours, the st ts. If the examin | udents are ation is failure, | | | |
| | | was at In this The st | osent once when lat class, it is required udent should contac udents should be al | e twice. I for every commu t the teacher if he | unication to use e has any questi | the computer net | work. | | | | |
| Charact | eristic | stics of Class / Division in Learning | | | | | | | | | |
| ☑ Active | Learnin | g | □ Aided by IC | Т | Applicable t | to Remote Class | Instructor Pr Experienced | ofessionally | | | |
| Elect | ive | subje | cts | | | | | | | | |
| Course | Plan | | | | | 1 | | | | | |
| | | | Theme | | | Goals | | | | | |
| | | 1st | | Guidance, Investigation and Report generation Selection of the own problem | | | | | | | |
| | | 2nd | Q&A, Investigatio | e investigation cor n and Report gen | eration | Decision of own p plan | | | | | |
| | | 3rd | Explanation of the Q&A, Investigatio | e 1st announcem | ent of the | | | | | | |
| 4th | | | | e investigation cor n and Report gen | | Completion of the group | e 1st announcem | ent of the rear | | | |
| | 1st Quarte | 5th | Explanation of the Q&A, Investigatio | e investigation cor n and Report gen | ntents and eration | Completion of the precedent group | e 2nd announcen | nent of the | | | |
| | | 6th | Explanation of the Q&A, Investigatio | e investigation cor n and Report gen | ntents and eration | Completion of the group | e 2nd announcen | nent of the rear | | | |
| | | 7th | | e investigation cor n and Report gen | | Completion of the precedent group | e 3rd announcem | ent of the | | | |
| 1st | | 8th | Explanation of the | e investigation cor n and Report gen | ntents and | Completion of the 3rd announcement of the rear group | | | | | |
| Semeste r | | 9th | Explanation of the Q&A, Investigatio | e investigation cor n and Report gen | ntents and eration | Completion of the precedent group | e 4th announcem | ent of the | | | |
| | | 10th | Explanation of the Q&A, Investigatio | e investigation cor n and Report gen | | Completion of the group | e 4th announcem | ent of the rear | | | |
| | | 11th | Explanation of the Q&A, Investigation | e investigation cor n and Report gen | ntents and eration | Completion of the precedent group | e 5th announcem | ent of the | | | |
| | 2nd | 12th | Explanation of the Q&A, Investigatio | e investigation cor n and Report gen | ntents and eration | Completion of the group | e 5th announcem | ent of the rear | | | |
| | Quarte | 13th | Explanation of the Q&A, Investigatio | e investigation cor n and Report gen | ntents and eration | Completion of the precedent group | e final announcer | nent of the | | | |
| | | 14th | Explanation of the Q&A, Investigatio | e investigation cor n and Report gen | ntents and eration | Completion of the group | e final announcer | ment of the rear | | | |
| | | 15th | Explanation of the Q&A, Investigatio | e investigation cor n and Final report | ntents and generation | Confirmation of t | he design about | the final report | | | |
| | | 16th | Summary, supple | mentary, comme | ntary | Completion of the confirmation | e collection of the | e reports, results | | | |
| Evaluation Method and W | | | Weight (%) | | | | | | | | |
| | Examination Presentation Evaluat | | Mutual Evaluations between students | Behavior | Report | Other | Total | | | | |
| Subtotal | 0 50 0 0 | | | 0 | 50 | 0 | 100 | | | | |
| Basic Proficienc | y (|) | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Specialize Proficienc | ed of |) | 25 | 0 | 0 | 25 | 0 | 50 | | | |
| Cross Are Proficienc | a |) | 25 0 0 25 0 9 | | | | | | | | |

| Tsuyama Co | ollege | Year | 202 | 21 | | | Course Title | e Linea | ar Algebra | | |
|---|--|--|-----------------|---|----------------------------|---|--|--|--|--|--|
| Course Information | on | | · | | | | | · . | | | |
| Course Code | 0018 | | | | Course Cate | gory | Specia | alized / Ele | ective | | |
| Class Format | Lecture | | | | Credits | | Acade | emic Credi | t: 2 | | |
| Department | | ectronics and neering Cours | | mation | Student Grad | de | Adv. 1 | 1st | | | |
| Term | First Semest | er | | | Classes per V | Neek | 2 | | | | |
| Textbook and/or Teaching Materials | | | | | | | | | | | |
| Instructor | MATSUDA O | samu | | | | | | | | | |
| Course Objective | | | | | | | | | | | |
| In this course, you will learn the theory of n-dimensional number vector space. In particular, learn new concepts such as Jordan normal form, quaternions, and groups. Acquire the basic idea of the theory of n-dimensional number vector space. 1. 1. Understand n-dimensional number vector space. 2. Understand the concept of inner product and distance. 3. Geometrically explain the difference in space deformation depending on the type of matrix. 4. Explain the representation matrix and the change of basis. 5. Understand the concept of Jordan normal form. 6. Understand quaternions and the rotation of space. | | | | | | | | | | | |
| Rubric | | | | | | | | | | | |
| | Excellen | t | | Good | | Acce | ptable | | Not acceptable | | |
| Achievement 1 | | | | | | | | Don't understand the n- dimensional number vector space. | | | |
| Achievement 2 | A good u inner pr distance | product and understanding of inner understanding of inner inner pro | | | | | Don't understand the inner product and distance. | | | | |
| Achievement 3 | the diffe deforma dependi | deformation of space depending on the type of matrix geometrically and | | | 60% spati depe | metrically, of the dif al deform nding on ix can be | ferences ir ation the type o | deformation of space | | | |
| Achievement 4 | | ntation matrix basis basis | (| Explain abou representatio and basis transformatio | on matrices | repre and | ain about esentation basis sformation | matrices | Can't explain the representation matrix and the change of basis. | | |
| Achievement 5 | | a of Jordan form is well ood. | | About 70% c normal form | of the Jordan is known. | | ut 60% of nal form is | | Don't understand the idea of Jordan normal form. | | |
| Achievement 6 | quaterni | understanding ions and the of space. | - - | Understand a of quaternior rotation of sp | ns and the | of qu | erstand ab Jaternions ion of spa | and the | Don't understand the quaternion and the rotation of space. | | |
| Assigned Departr | nent Objec | tives | | | | | | | | | |
| Teaching Method | | | | | | | | | | | |
| | General or S | pecialized : S | pecial | ized | | _ | _ | _ | | | |
| | Field of learr | ning : Natural | scien | ce Common | / Basic | | | | | | |
| | Required, Ele | ective: Electiv | e mu | st complete s | subjects | | | | | | |
| | | | | | natical science | e / Ma | athematics | / Analysis | s basics | | |
| Outline | Relationship science and | with Educatic technical know | onal O wledg | bjectives : T e". | his subject co | orresp | onds to th | e learning | goal "(2) Acquire basic | | |
| | Relationship | with JABEE p | rogra | ms : The ma | iin goal of lear | rning | / educatio | n in this c | lass are "(A) , A-1". | | |
| | Class Outline: In Applied Mathematics I, you will learn the basics of probability theory and statistics. In probability theory, we look at the theory of distributions (binomial distribution, Poisson distribution, normal distribution) and the central limit theorem, which are important in statistical processing. Learn the equations of correlation and regression line as an arrangement of two-variable data. Finally, learn how to estimate and test the population. | | | | | | | | | | |
| | | nod : Focus o nderstanding. | | lerstanding t | he content on | the t | ooard, and | assign as | many exercises as possible | | |
| Style | class(50%). | etc, A re-exa | minat | ion may be c | conducted. Th | e rete | est will be | evaluated | ports and effort of in the same way as the wed for the exam. | | |

| | | C C e R A S of C | lass hours course ad ingineerin coundatior nd Integr Related su | s missed) in orde vice: This course g, so this course nal subjects : Fur al I (2nd), Differ bjects: Mathema <u>e advice : If you</u> Division in Lea | er to complete the teaches the basi is of great impor indamental Mathe rential and Integr tics, physics, and are late after, your irning | e academic yea c ideas of proba tance. matics (1st yea ral I (3rd), Diff d other subjects ou may be treat | bility and statistic r), Fundamental L erential Equations after the third ye ed as absent after | al methods requi inear Algebra (21 (3rd) ar | ired for nd), Differential | | |
|--|--------------------------|---------------------------------|--|---|---|---|---|--|---------------------------------|--|--|
| Active Learning Aided by ICT Applicable to Remote Class Experien | | | | | | | | | , | | |
| Elective subjects | | | | | | | | | | | |
| Course | Plan | | | | | | | | | | |
| | | 1 -1 | Theme Goals | | | | | | | | |
| | | <u>1st</u> 2nd | | uidance ·dimensional spac | ce number vecto | r space | Understanding th space number ve | e definition of n- | dimensional | | |
| | | Зrc | | ot product and G ethod | ram-Schmidt ort | hogonalization | Understanding th understanding Gr method | e definition of in am-Schmidt's or | ner product and thogonalization | | |
| | 1st Ouarter | | n Tr | ransformation of | space by matrix | Part 1 | Understanding th matrix Part 1 | e deformation of | space by a | | |
| | | 5th | n Tr | ransformation of | space by matrix | Part 2 | Understanding th matrix Part 2 | e deformation of | space by a | | |
| 1st | | 6th | n Re | elationship betwe oordinates | en representatio | n matrix and | Understanding th representation m | e relationship be atrix and coordir | tween the nates | | |
| Semeste r | | 7th | n Di | imension theorer | n | | Understanding the dimensional theorem | | | | |
| | | 8th | | id-term exam | | | Confirm basic matters | | | | |
| | | 9th | | ordan normal forr | | | Understanding Jo | | | | |
| | | 10 | th Jo | ordan normal forr | n part 2 | | Understanding Jo | ordan Normal For | m Part 2 | | |
| | | 11 | th Jo | ordan decomposit | ion 1 part 1 | | Understanding of | Jordan Decomp | osition 1 Part 1 | | |
| | 2nd | 12 | th Jo | ordan decomposit | ion 1 part 2 | | Understanding of | Jordan Decomp | osition 1 Part 2 | | |
| | Quarte | r 13 | th Co | omplex numbers | and quaternions | | Understanding co | mplex numbers | and quaternions | | |
| | | 14 | th Qı | uaternion and ro | tation | | Understanding qu | uaternions and ro | otations | | |
| | | 15 | th La | ast term exam | | | Confirm basic ma | atters | | | |
| | | 16 | th Re | eturn of answer a | and explanation o | of answer | | | | | |
| Evaluati | <u>ion M</u> e | thod | and We | eight (%) | | | | | | | |
| | Examination Presentation | | | Presentation | Mutual Evaluations between students | Behavior | Portfolio | Other | Total | | |
| Subtotal 50 0 0 | | | | | 50 | 0 | 0 | 100 | | | |
| Basic Proficienc | | | | | 0 | 50 | 0 | 0 | 100 | | |
| Specialize Proficienc | ed (| כ | | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Cross Are Proficienc | |) | | 0 | 0 | 0 | 0 | 0 | 0 | | |

| Tsuyama Co | llege | Year | 2021 | | | Course Title | Enviro Theor | nmental Science y |
|---|---|--|--|--|---|---|---|--|
| Course Information | on | | | | | | | |
| Course Code | 0019 | | | Course Cate | gory | Specializ | | |
| Class Format | Lecture | | | Credits | | Academi | c Credit: | 2 |
| Department | | ectronics and neering Cours | | Student Grad | de | Adv. 1st | | |
| Term | Second Sem | ester | | Classes per \ | Week | 2 | | |
| Textbook and/or Teaching Materials | Textbook: Ba Reference ba | arron's "Enviro ook: Kikuo Miy | onmental Science okawa "Basics of | , 8th edition", Environmenta | print ı al Sciei | materials wi nce Revised | ll be dist Edition" | ributed during class. (Baifukan) |
| Instructor | KOBAYASHI | Toshiro | | | | | | |
| Course Objectives | 5 | | | | | | | |
| Learning purposes : The goal is to Unders exercises and reports, to set problems throu safety, ethics, and so | students wil gh compound | I develop the a | ability to compreh | nensively apply | v vario | ous academi | c fields a | In addition, through nd techniques, the ability ves of public health and |
| Course Objectives : 1. Understand and ex 2. Understand and ex 3. Understand and ex 4. Can calculate CO2 | plain global e plain environ | nvironmental mental manag | problem's (air pol ement (ecosyste | lution, acid ra m destruction | in, gloi) | , renewable bal warming | energies J, etc.) | ;, etc.) |
| Rubric | | | | | | | | |
| | Excellen | | Good | | Accep | otable | | Not acceptable |
| Achievement 1 | resource and com their me (fossil fu | rstand the energy of the earth pare and experits and deme uels, nuclear renewable etc.) | lain resources of | energy the earth nuclear ewable | explai earth (fossi energ | derstand an in the basics 's energy re I fuels, nucle iy, renewabl iy, etc.) | • Cannot explain the energy resources of the earth (fossil fuels, nuclear energy, renewable energy, etc.) | |
| Achievement 2 | environ and disc with the | rstand global mental probler cuss how to de m (air pollutic n, global g, etc.) | al lexplain glob | al tal problems 1, acid rain, | explai enviro (air p | Understand and explain basic global environmental problems (air pollution, acid rain, global warming, etc.) | | • Cannot explain global environmental problems (air pollution, acid rain, global warming, etc.) |
| Achievement 3 | Unde environr manage issues (e destruct | mental ment and disc ecosystem | • Understai explain envi managemen destruction) | ronmental nt (ecosystem | explai enviro mana | derstand an in basic onmental gement (ecu uction) | | • Cannot explain about environmental management (ecosystem destruction) |
| Achievement 4 | calculate CO2 em indicato | possible to e and consider issions, which rs of mental probler | are indicator of | vhich is an | calcul CO2 e an inc | ow the basic lation metho emissions, w dicator of onmental pr | od of /hich is | • Don't know how to calculate CO2 emissions, which is an indicator of environmental problems. |
| Assigned Departn | nent Objec | tives | L | | | · | | • |
| Teaching Method | | | | | | | | |
| Outline | This subje related equip | oment such as | a teacher who h fuel cells, hydrod | gen production | n equip | oment, and | solar cell | ent of clean energy- production equipment, vacuum pumps for fusion |
| | Foundationa | pecialized : Sp l academic dis | ciplines : | | —— ——————————————————————————————————— | | | |
| | Relationship This subject natural scien | with Educatio is equivalent ice subjects ce ility related to | nal Objectives in to a learning goa entered on mathe | advanced cou I of the advan matics and ph | rse: Iced co Tysics, | ourse , which and to acqu | n is "(1) iire the a | urce System Engineering To deepen knowledge of bility to apply as basic information system |
| Style | The main go and explain Concomitant | Relationship with JABEE programs : The main goal of this subject is to "(A) deepen basic knowledge about technology and to be able to acquire and explain knowledge in a wide range of fields of natural science as basic knowledge about A-1 engineering" Concomitantly, it is also involved in "B-1" and "G-1". | | | | | | |
| | to be progre discuss the a understandir | n of the globa ssing along wi actual conditio ng of the effor | th the activation ns of these globa | of human eco l environment lations, goveri | nomic al prot | activities, a plems, learn | nd foreig . Next <i>.</i> w | layer depletion is thought n literature is also used to ve will deepen our s of each country, and |

| Subset Course method : Case as each inductional using handback prices, projectors and backd writing. Sendigh literature law gives to confirm the level of undestanding of the students. Furthermore, by having them practice, they will market as engineers. Gene evaluation method : Bis sup to submit the legots assignment by the specified nate. Test (200). This principle, it is own, but explore assignments and corrects will be assigned 20%. In addition to self-written notabooks, hardbacks, calculators, and photous of the manuscripts Leadon in the learning. You can bring them into the earning calculators, and photous of the manuscripts Leadon in the learning. You can bring them into the earning study outside of class hours. A total of 45 hours of study is required per credit, study outside of class hours. Notice Course advice in the write study outside of class hours, A total of 45 hours of study is required per credit, study outside of class hours. Report assignments and exercises will be available in the leads in formation, class, and current affairs news about the environment, and to proved in the leaden your own exercise control will bright on a daily besit. Notice Course advice : "This is a class to the environment, and to prove the start books, it is desirable to environmental science: (Sthy year). Life Science II (sth), Science Inquiry (2nd in advanced cource) "Attendation advice: "The subject: section in Learning in Active Learning Instructor Professionally each by write in elaberation and nuclear core human essures development." Information and subjects: Environmental science: (Sthy year) is a dapitable to provise them as finded to broaden your own extra year of the subjects: Brinder brinder brinder brinder brinder brinder brinder brisperimentadvis environment." <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></td<> | | | | | | | | | | | | | | | |
|---|----------|----------|--------------------------------|---|--|------------------------------------|--|---|----------------------------------|--|--|--|--|--|--|
| Production Be sure to submit the report assignment by the specified date. Test (20%) "In principle, it is one, but depending on the standard and the same way as this test." depending on the standard and the same way as this test. depending on the standard and test services and the same way as this test. depending on the standard and test services and the same way as this test. depending on the standard and test services. A total of 45 hours of study is required per middly including both desis time and study outside of class hours. A total of 45 hours of study is required per middly including both desis time and study outside study outside study outside study | | | Classes as a tea | will be conducted ching material in cl | ass. In addition, | auestions will b | e asked at anv tin | ne to confirm the | level of | | | | | | |
| Notice This is a class that requires study outside of class hours. A total of 35 hours of study is prequired per credit, including both class time, and a study outside of class hours. Notice Course advice : | | | Be sure dependi Report a | to submit the repond ng on the situation assignments and ex | , a retest may be ercises will be as | e performed. Th signed 30%. In | e retest is evaluat addition to self-w | ed in the same w ritten notebooks | ay as this test." , handouts, | | | | | | |
| 2nd Speciation 2nd Adda, and current affairs new should the environment, and to browse it as needed to broaden your own, knowledge. In addition, since some lectures will be given in English using English textbooks, it is desirable to activity come into contact with English on a daily basis. Foundational subjects : Environmental Science (IS) year) Related subjects: Environmental Science (IS) year) Related subjects: This subjects i related to environment is published on various websites, including the vebsites of the United Nations and the Ministry of the Environment is published on various websites, including the vebsites of the United Nations and the Ministry of the Environment is published on various websites, including the vebsited to broaden your knowledge. Characteristics of Class / Division in Learning □ Addee by ICT □ Applicable to Remote Class □ Instructor Professionally be late. Course Plan Theme Goals Course plan Instructor Professionally be late. 2nd Resources I [Energy and environment] Explain the relationship between fossil fuels and the environment] Explain the relationship between fossil fuels and the environment] 2nd Resources IV [Renewable energy] Report assignment (1) Report assignment (1) 2nd Resources IV [Renewable energy] Explain the relationship between nuclear energy. 2nd Resources IV [Renewable energy] < | | | This is including | a class that requir both class time ar | es study outside | | | | | | | | | | |
| Privionmental Science (Sth year) Related subjects: Mathematical Science II (Sth year), Life Science II (Sth), Science Inquiry (2nd in advanced cource) Attendance advice : "This subjects is relation to morimonantal adduction and nuclear core human resource devolopment." This subjects is relation to be performent is publiced on various vestices, including the vestices of the United Nations and the Ministry of the Environment's to Utiled on various vestices, including the vestices of the United Nations If you are not seeted at the beginning of the class, you will be late. Characcteristics of Class / Division in Learning Instructor Professionally El a ct ti v e is u b j e ct is Course Plan Feeded vectors Course Plan Goals 3rd Resources II [Forsil fuels and environment] Explain the origin of the global environment] 3rd Resources II [Forsil fuels and environment] Explain the relationship between fossil fuels and the environment. 3rd Resources IV [Renewable energy and Environment] Explain the relationship between nuclear energy and the environment. 3rd Resources IV [Renewable energy] Report assignment (1) "Current status and issues of earth science. Sth Resources IV [Renewable energy] Explain the mechanism and countermeasures of arr pollution. 8th Environmental Management II [Air Pollution] Explain the mechanism and countermeasures of arr pollution. 10th < | Notice | | As pre data, an knowled | paratory study to b d current affairs ne ge. In addition, sin | ews about the en ce some lectures | vironment, and will be given in | to browse it as ne | eded to broaden | your own | | | | | | |
| Attendence advice : Information on the environment is published on various websites, including the websites of the United Nations and the Attendence the beginning of the Class, you will be late. Characteristics of Class / Division in Learning Information of the environment is publiced on various websites, including the websites of the United Nations and the Beginning of the Class, you will be late. Instructor Professionally Experienced Course Plan Ist of Guidance, outline of global environment. Explain the origin of the global environment. Explain the relationship between fossil fuels and the environment. 3rd Resources II [Energy and environment] Explain the relationship between fossil fuels and the environment. 3rd Resources III [Nuclear Energy and environment] Explain the relationship between fossil fuels and the environment. 4th Resources III [Nuclear Energy and environment] Explain the relationship between fossil fuels and the environment. 6th Basics of earth science Explain the relationship between fossil fuels and environment. 6th Basics of earth science Explain the relationship between fossil fuels and environment. 6th Basics of earth science Explain the relationship between nuclear energy. 6th Basics of earth science | | | Foundat Environ | oundational subjects : Environmental science (5th year) | | | | | | | | | | | |
| 2nd "This subject is related to environmental education and nuclear core human resource development." Information on the environment, so it is advisable to browse them as needed to broaden your knowledge. If you are not seated at the beginning of the class, you will be late. Characteristics of Class / Division in Learning I Applicable to Remote Class Instructor Professionally Experienced I Active Learning I Aided by ICT I Applicable to Remote Class Instructor Professionally Experienced Course Plan Theme Goals Course Plan Ist • Guidance, outline of global environmental problems, formation of global environment Explain the origin of the global environment. 2nd • Resources II [Energy and environment] Explain the relationship between fossil fuels and the environment. 3rd Quarter • Resources II [Fossil fuels and environment] Explain the relationship between nocsil fuels and the environment. 2nd • Resources IV [Renewable energy] Report assignment (1) Explain the relationship between nuclear energy and the environment. 3rd Quarter • Basics of earth science Explain the mechanism and countermeasures of air pollution. Explain the mechanism and countermeasures of air pollution. 4th • Environmental Management II [Air Pollution] Explain the mechanism and countermeasures of air pollution. 5th • Environmental | | | | | | | | | | | | | | | |
| Image: Construction of the second | | | "This su Informa and the | bject is related to e tion on the environ Ministry of the Env | ment is published ironment, so it is | d on various we advisable to br | bsites, including t owse them as nee | he websites of th | e United Nations | | | | | | |
| and/or teaming Auter by Ic1 Description Experienced Elective subjects Semistical and the environmental problems, formation of global environmental problems, formation of global environmental problems, formation of global environmental Explain the origin of the global environment. 2nd Resources I [Energy and environment] Explain the relationship between fossil fuels and the environment. 3rd Resources II [Fossil fuels and environment] Explain the relationship between fossil fuels and the environment. 3rd Resources II [Fossil fuels and environment] Explain the relationship between fossil fuels and the environment. 3rd Resources II [Fossil fuels and environment] Explain the relationship between nuclear energy and environment. 3rd Resources IV [Renewable energy] Explain the moritonment. Explain the moritonment. 3rd Basics of earth science Explain the basics of earth science. Explain the mechanism and countermeasures of ar pollution] Semester 7th Environmental Management II [acid rain] Explain the mechanism and countermeasures of acid rain 4th Environmental Management IV [Global Explain the mechanism and prediction method of global warming 20 / Greenstup and the environment. Explain the environmental management VI [Global 10 | Charact | eristics | of Class / | ' Division in Lea | irning | 1 | | 1 | | | | | | | |
| Course Plan Theme Goals 1st Theme, outline of global environmental problems, formation of global environment1 Explain the origin of the global environment1. 2nd Resources I [Energy and environment1] Explain the relationship between fossil fuels and the environment1. 3rd Resources II [Fossil fuels and environment1] Explain the relationship between fossil fuels and the environment. 4th Resources III [Nuclear Energy and Environment1] Explain the relationship between nuclear energy and the environment. 3rd Resources IV [Renewable energy] Current status and issues of environment1 and energy problems" (select different survey items for each person). 6th Basics of earth science Explain the mechanism and countermeasures of acid rain 8th Environmental Management I [acid rain] Explain the mechanism and countermeasures of acid rain 9th Environmental Management V [Global Warming 0.7 Greensting and Countermeasures] Explain the mechanism and prediction method of global warming 0.7 Greensting and Countermeasures] 10th Environmental Management V [Global Warming 0.7 Greensting and Countermeasures] Explain the destruction of ecosystems. 11th Environmental Management V [Routic Explain the destruction of ecosystems. Explain the destruction of ecosystems. <t< td=""><td>🛛 Active</td><td>Learning</td><td></td><td>□ Aided by ICT</td><td>F</td><td>☑ Applicable t</td><td>o Remote Class</td><td></td><td>ofessionally</td></t<> | 🛛 Active | Learning | | □ Aided by ICT | F | ☑ Applicable t | o Remote Class | | ofessionally | | | | | | |
| Image: Second | Elect | tive | subjec | ts | | | | | | | | | | | |
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| | Subtotal | 70 |) | 0 | 0 | 0 | 30 | 0 | 100 | | | | | | |

| Basic Proficiency | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|----------------------------|----|---|---|---|----|---|-----|
| Specialized Proficiency | 70 | 0 | 0 | 0 | 30 | 0 | 100 |
| Cross Area Proficiency | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Class Format Lecture Credits Academic Credit: 2 Department Advanced Electronics and Information Student Grade Adv. 1st Term First Semester Classes per Week 2 Textbook and/or Textbook and/or Text | Tsuyama Co | llege | Year | 2021 | | | Course Title | Engine | eering Ethics | |
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| Detection and/or Textbock: Hayaehi, Myazawa et al. "Ethics of Engineers (Revised Edition)" Corona Publishing Co., Ltd., Reference Bock: Hisatake Kato "Ethics of Technology and Humans" NHK Library, etc. Instructor HOSOTANI Kazunori,MINASHITA Takuya Course Objectives Purpose of study: Understand the necessity of engineering ethics and engineer ethics, and acquire a basic sense of responsibility for future activities as an engineer. Achievement goal: - Recognize the responsibility and originality that engineers have on society, and be able to give consideration so that the results of engineers in society. - Understand the historical and social background and importance of engineer ethics, and explain the role and responsibility of engineers in society. - Method is a sense of ownership. Rubric Ideal Level Standard Level Acceptable Level Acceptable Level Achievement 1 Ideal Level Standard Level Cacceptable Level It is possible to understand and explain that the responsibilities and of the responsibilities of engineers in society. It as not reached the engineers in society. It has not reached the engineers in society. Achievement 2 Understand and explain that regineers in society. Understand and explain engineer sitics, and of the responsibilities of engineer sitics, coplain in decide and responsibilities of engineer sitics, coplain in data magement. It has not reached the engineer sin society. Achievement 2 <td>Department</td> <td></td> <td colspan="8">m Engineering Course Student Grade Adv. 1st</td> | Department | | m Engineering Course Student Grade Adv. 1st | | | | | | | |
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| Course Objectives Purpose of study: Understand the necessity of engineering ethics and engineer ethics, and acquire a basic sense of responsibility for Necognize the responsibility and originality that engineers have on society, and be able to give consideration so that the results of technology will be accepted by society. • Understand the historical risk management. • Understand and explain basic matters related to engineer behavior such as accountability, whistleblowers, product liability, and risk management. • Acceptable Level Acceptable Level Acceptable Level Rubric Ideal Level Standard Level Acceptable Level Acceptable Level Acceptable Level Acceptable Level Achievement 1 Ideal Level Standard Level Acceptable Level It is possible to reactivity that society has, and togic war, and take care to consideration society, and exercent by society, and social background and social | Teaching Materials | Reference Bo | ook: Hisatake I | Kato "Ethics of Te | of Engineers (echnology and | (Revise Huma | ed Edition)" (ans" NHK Lib | Corona F rary, etc | Publishing Co., Ltd., c. | |
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| Achievement 1Let able to the fuller stand and explain that engineers recognize the responsibilities and creativity that society, has, and to give consideration so that the results of technology will be accepted by society, and even apply it.It has not reached the responsibilities and creativity that society, has, and take care to responsibilities and and even apply it.It has not reached the if the acceptance of technology are accepted by society.It has not reached the if the acceptance of technology are accepted by society.Achievement 2Understand the historical and social background and importance of engineer ethics, understand and explain the roles and responsibilities of engineers in society, and even apply them.Understand and explain the roles and engineers in society, and eaven apply therm.Understand and explain the roles and engineers in society, and engineers in society, and engineers in society, and eaven apply the role and responsibility, and risk management.It has not reached the engineers in society, and engineers in society, and | | Ideal Le | vel | Standard Le | vel | Accep | table Level | | Acceptable Level | |
| Achievement 2and social background and importance of engineer ethics, understand and explain the roles and responsibilities of engineers in society, and even apply them.Onderstand the instortical and social background and importance of engineer ethics, and responsibilities of engineers in society.It has not reached the left.Achievement 3Can understand and explain basic matters related to engineer behavior such as and can even apply them.Understand and explain basic matters related to engineer behavior such as accountability, whistle- blowing, product liability, and can even apply them.Understand and explain basic matters related to engineer behavior such as as accountability, whistle- blowing, product liability, and can even apply them.Understand and explain basic matters related to engineer scheavior such as accountability, whistleblowers, product liability, and risk management.Recognize the importance of basic matters related to engineer behavior such as accountability, whistle- blowing, product liability, and can even apply them.It has not reached the left.Achievement 4Through the examination of issues by the group, it is possible to promote collaborative work with a sense of ownership, to lead the members as a coordinator of discussions, and to actively participate in discussions, and to actively participate in discussions, and to actively participate in discussions, and to actively participate in discussions, and to actively present their own opinions.Through the examination of issues by the group, it is possible to promote discussions, and speak multiple times.Through the examination <b< td=""><td>Achievement 1</td><td>understa that eng of the re creativit has, and consider results c be accer</td><td>and and explai lineers are awa sponsibilities a y that society I to give ation so that to f technology v oted by society</td><td>and explain engineers re responsibiliti creativity tha has, and tak ensure that technology a</br></br></br></br></br></br></td><td>that ecognize the ies and at society ce care to the results of</br></br></br></br></br></td><td>the re origin have recog of giv the ac techn</br></br></td><td>esponsibility ality that en on society, a nize the imp ing consider cceptance of ological resu</td><td>and gineers and to ortance ation to</td><td></td></b<> | Achievement 1 | understa that eng of the re creativit has, and consider results c be accer | and and explai lineers are awa sponsibilities a y that society I to give ation so that to f technology v oted by society | and explain | that | the re | esponsibility ality that en on society, a nize the imp ing consider cceptance of ological resu | and gineers and to ortance ation to | | |
| Achievement 3explain basic matters related to engineer behavior such as accountability, whistle- blowing, product liability, and risk management, and can even apply them.Understand and explain basic matters related to engineer behavior such as accountability, whistleblowers, product liability, and risk management.Recognize the importance of basic matters related to engineer behavior such as accountability, whistleblowers, product liability, and risk management.It has not reached the left.Achievement 4Through the examination of issues by the group, it is possible to promote collaborative work with a sense of ownership, to lead the members as a coordinator of discussions, and to actively present their own opinions.Through the examination of issues by the group, it is possible to promote collaborative work with a sense of ownership, actively present their own opinions.Through the examination of issues by the group, it is possible to promote collaborative work with a sense of ownership, actively present their own opinions.Through the examination of issues by the group, it is possible to promote collaborative work with a sense of ownership, actively present their own opinions.It has not reached the left.Assigned Department ObjectivesExample times.It has not reached the actively present their own opinions. | Achievement 2 | and soci and imp enginee understa the roles responsi enginee | al background ortance of r ethics, and and explai s and bilities of rs in society, a | n engineer eth understand the roles and understand | ackground nce of nics, and and explain d ies of | and so and ir engin recog of the respo | ocial backgro nportance o eer ethics, a nize the imp role and nsibility of | ound f nd ortance | | |
| Achievement 4of issues by the group, it is possible to promote collaborative work with a sense of ownership, to lead the members as a coordinator of discussions, and to actively present their own opinions.Through the examination of issues by the group, it is possible to promote collaborative work with a sense of ownership, actively participate in discussions, and speak multiple times.Through the examination of issues by the group, it is possible to promote collaborative work with a sense of ownership, actively participate in discussions, and speak multiple times.Through the examination of issues by the group, it is possible to promote collaborative work with a sense of ownership and to participate in discussions.It has not reached the left.Assigned Department ObjectivesHeir | Achievement 3 | explain l related t behavior account blowing, and risk and can | basic matters to engineer r such as ability, whistle , product liabili management, | basic matter engineer bel as accountal ity, whistleblowe liability, and | rs related to havior such bility, ers, product risk | impor matte engin as acc whistl liabilit | tance of bas rs related to eer behavior countability, eblowers, pr y, and risk | such | | |
| | Achievement 4 | of issues is possib collabora sense of lead the coordina discussio actively | s by the group le to promote ative work with ownership, to members as a ator of ons, and to present their | , it Through the of issues by is possible to collaborative sense of own actively part discussions, | the group, it o promote e work with a nership, cicipate in and speak | of issu is pos collab sense to par | Jes by the g sible to pror orative work of ownershi ticipate in | roup, it note with a | | |
| | Assigned Departm | nent Obiec | tives | | | | | | | |
| | | | | | | | | | | |

| | | operati teach a engage environ | ionship with business: In this course, faculty membron of large-scale computers and networks at other is bout engineer ethics issues in the information socie and in design / development at an electronics manufa mental research company will use their experience in the real world. | nstitutions will make use of their experience to ty. In addition, faculty members who were cturer and information programming at an | | | | | | |
|----------------|----------------|---|---|---|--|--|--|--|--|--|
| | | By gen | eral / specialty: Specialty, natural science basics / c | ommon | | | | | | |
| | | Basic d | iscipline of choice : Engineering ethics / engineer et | hics | | | | | | |
| Outline | | Major r ethics a | elated to learning goals: This subject is the major le and taking special lectures on engineer ethics, you c | earning goals "((5) Along with studying engineering an broadly understand engineer ethics. " | | | | | | |
| | | "(G) Ur Conside | nship with Engineer Education Program: The main le nderstanding of Engineer Ethics, G-1: Deepening Un eration, Engineers Being aware of the responsibility tally, it is also involved in "B-1". | derstanding of Ethical, Economic and Safety | | | | | | |
| | | crisis to meanin | lass outline: Modern society is built on many technologies, and misuse of technologies can pose a serious risis to society and nature. For this reason, engineers must have a responsibility to correctly understand the neaning of the technology they handle and to make it useful for society and nature. From this point of view, re deal with engineering ethics in general. | | | | | | | |
| | | present | s method: Classes are conducted in various ways such as board writing, projectors, discussions, and entations, mainly through case studies in the fields of machinery / control and electronics / information. It ecessary to think for yourself, investigate, and actively exchange opinions. | | | | | | | |
| Style | | equally others | evaluation method: The grades of the first half (Miya . In the first half, group reports are evaluated at 40 are evaluated at 60%. In the second half, reports in oup discussions and presentations are evaluated at 4 | %, and individual reports including évaluations by cluding report assignments are evaluated at 60%, | | | | | | |
| | | Precaut are offe | tions for taking this course: This course is a "course ered for 15 credit hours per credit, but 15 credit hou tions of your instructor for these studies. | that requires study outside of class hours". Classes | | | | | | |
| | | Course play an educati | e engineer education program. Those who aim to s course. "This subject is related to environmental 』 | | | | | | | |
| | | Basic s | asic subjects: Ethics (1 year) and Engineering Ethics (5), general engineering subjects, basic knowledge | | | | | | | |
| Notice | | special | subjects such as society, economy, nature, environ lecture (special 1, specialized) 2), Special Research Il 1), Contemporary Philosophy (Special 2), Bioengir | (Special 1, Special 2), Environmental Science | | | | | | |
| | | by a pr / techn subiect | on Courses: General Course Faculty of Industrial Et ofessional teacher aims at more practical engineerir ology, manufacturing, society / economy, companie is an environmental education related subject. lecture, attendance less than 30 minutes from the s Il be treated as absent. | ng ethics education. A broad perspective on science is, the global environment, etc. is important. This | | | | | | |
| Charact | eristics | | / Division in Learning | | | | | | | |
| | e Learning | | | to Remote Class Experienced Instructor Professionally | | | | | | |
| Elect | | subje | cts | | | | | | | |
| Course | Plan | 1 | T he same a | Cash | | | | | | |
| | | 1st | Theme • Guidance | Goals Understand the purpose of education, learning content, evaluation method, etc. Also, decide the discussion group in the first half | | | | | | |
| | | 2nd | Learning content outside class hours: Report on discussion content (weekly) | | | | | | | |
| | | 3rd | Determining discussion issues and division of roles within the group | Understand and explain the items on the left | | | | | | |
| | 1st Quarter | 4th | Learning content outside class hours: Survey and organization based on discussion content (weekly) | | | | | | | |
| | | 5th | Group discussion 1 [Clarification of discussion points] | Understand and explain the items on the left | | | | | | |
| 1st Semeste | | 6th | Learning content outside class hours: Preparation for general discussion | | | | | | | |
| r | | 7th | Group discussion 2 [Summary for general discussion] | Understand and explain the items on the left | | | | | | |
| | | 8th | Learning content outside class hours: | | | | | | | |
| | | 9th | Preparation of presentation materials Overall discussion [evaluation by others] | Understand and explain the items on the left | | | | | | |
| | | 10th | Learning content outside class hours: Survey | | | | | | | |
| | | 11th | on issues to be examined ' • Regroup discussion after general discussion | Understand and explain the items on the left | | | | | | |
| | Quarter | | Learning content outside class hours: Meeting for preparation of general report | | | | | | | |
| | Quarter | 12th | for a second s | | | | | | | |

| | | 14th | Learning conte Preparation of gro reports | nt outside class h oup reports and ir | iours: ndividual | | | |
|----------------------------|--------|-------------|---|--|---------------------|------|---------------------|-------|
| | | 15th | • Guidance | | | | | |
| | | 16th | Learning conte [Preparation for d | Learning content outside class hours: Preparation for discussion] | | | | |
| Evaluati | on Me | ethod and N | Weight (%) | | | | | |
| | | Examination | Presentation | Mutual Evaluations between students | Self Evaluation | Task | Group discussion | Total |
| Subtotal | | 0 | 20 | 5 | 0 | 55 | 20 | 100 |
| Basic Proficiency | / | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Specialized Proficiency | d / | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cross Area Proficiency | | 0 | 20 | 5 | 0 | 55 | 20 | 100 |

| Tsuyama Co | ollege | Year | 2021 | | | Course Title | | iments of Electronic omputer Systems |
|--|--|---|---|--|--|--|--|---|
| Course Information | on | | | | | | | |
| Course Code | 0021 | | | Course Cate | gory | Specializ | ed / Con | npulsory |
| Class Format | Experiment | | | Credits | | School C | redit: 4 | |
| Department | | ectronics and I neering Course | | Student Grad | de | Adv. 1st | | |
| Term | Year-round | | | Classes per \ | Week | 4 | | |
| Textbook and/or Teaching Materials | | | | | | | | |
| Instructor | NAKAMURA | Shigeyuki | | | | | | |
| Course Objectives | | | | | | | | |
| Learning objectives: 1 etc., and at the same Objectives: 1.To deepen students 2. To be able to sumr © To be able to demo © Develop design skill © To be able to carry | time, to deep basic knowle narize the res nstrate team s, such as the | pen basic know edge of circuits sults of experin work skills and e ability to find | vledge and proble s, controls, netwo nents in a report work systematic a problem clear | em-solving ski orks, and othe using easy-to cally to solve p ly and find the | ills. er techi o-undei oroblen | nologies. rstand diagra | ams and | |
| Rubric | | | | | | | | |
| | Excellen | t | Good | | Accep | table | | Not acceptable |
| Achievement 1 | understa principle phenom control, other te through further c knowled provide instructi | ena of circuits networks, and chnologies experiments, deepen their ge, and to technical ons and cion to other | to technologies to technologies | edge of basic related to trol, nd other s through s, and be able experiments | exper contro with s other | le to conduc iments on ci ols, and net specific help members o o n some of nt. | ircuits, works from f the | Unable to conduct experiments on technologies such as circuits, control, and networks. |
| Achievement 2 | summar evaluation of exper a report | ble to logically ize the validity on and discuss imental results with instruction rections from | ion others, they s in summarize t | ons from can barely the validity nd discussion imental | summ evalua of the result | not possible the ation of the experiment of the experiment is and the diareport. | validity tal | Be able to control the actions of members to achieve goals so that appropriate communication can take place among members. |
| Achievement 3 | from oth | | Can't accom bur roles and go | · . / | know contro other appro proble | le to use ba ledge of circ ol, networks technologie priate ways ems and inst students. | uits, , and s to find to solve | Use basic knowledge of circuits, control, networks, and other technologies to judge the appropriateness of problem solving methods proposed by other students, or to propose modifications. |
| Achievement 4 | problem propose students | dge whether th -solving metho d by other s, etc. are iate or not. | ods execution of experiment only you but | and the so that not also other n achieve the | auton goals | le to act iomously to according to | | Under the guidance of others, be able to take action to achieve goals according to a set plan. |
| Assigned Departn | nent Objec | tives | | | | | | |
| Teaching Method | | | | | | | | |
| | Specialized | | | | | | | |
| | Field of Stud | y: Experiment | al and Practical | | | | | |
| | | <i>,</i> , | | | | | | |
| Outline | Underlying d related, infor Relationship Through pra- related to the and consider Relationship this course is | mation science to learning an ctical learning e basic discipli data. These s to the Enginee s "(D) Cultivati | trical and electro e, information en d educational goi in special experir nes, and at the s ubjects are equiv er Education Prog on of problem-so | ngineering and als: This cours ments, studen ame time, acc valent to the fo gram: The mai plying skills, D | l relate se corr its will quire th ollowin in learn -3: To | ed fields/info esponds to t deepen thei ne ability to ng ning and edu be able to y | rmation the learn r unders carry ou ucational vork syst | ol and systems engineering networks related ing goal of the major: "(3) tanding of knowledge t experiments and analyze attainment objective of cematically to solve |
| | problems wh 3", "C-1", "C Outline of the | ile forming a c -2", "D-1", an e class: In the | common understa d "D-2". special experime | anding with ot ents, students | will sy | but it is also stematically | o inciden v engage | in experiments related to to the field of |

| Style | | groups be divid student the dev required For the conduct Student teaching will be of fabricat Experim group, f How to The firs is spent backgroup on their knowled success they ha Grading be used learning but the Evaluati Each we roles. T teamwo by the of Method Student teaching but the Evaluati Each we roles. T | of teaching: In the experiments of electrical and ele and conduct experiments on two themes in 15 week ed into two groups and each group will conduct exp is are required to cooperate with each other and wo elopment of teamwork skills. Three teachers will be to submit a report for each theme. The method of experiments in electrical and electronic engineering ed in 15 weeks. (In charge: Nakamura). Guidance v ing the experiments is as follows. s will devise, design, fabricate, program, and experi- g materials, with an eye to entering various electrica invided into groups of several and work together to e a printed circuit board and enter it in a contest. thents on information systems will be conducted in tw for a total of 15 weeks. (In charge: Onishi, Sori). Gu conduct Onishi's experiment t half of the week is spent investigating a small prot conducting experiments based on the results of the und in the subject before entering the major course abilities and interests, and will work together to en lge and skills at the end of each week's experiment. Ful, the students are required to construct a networly ve acquired in the last week of the experiment for evaluation. The teacher in charge of the experiment objectives and achievement goals of this course, u details of the evaluation may differ from person to p on method texk, students are asked to mutually evaluate the sta- he teacher will evaluate the teamwork skills based of rk skills based on the results (70%), and the level of experiment report (30%). of conducting the experiment in charge of Sori s will be divided into groups of 3 or 4 students per g and interests. Students should work together to em and interests. Students should work together to en experiment. The each erach week's experiment. a motor control system controller for a four-wheeled e knowledge and skills they have acquired so far, ir rk skills have been established. | ks. For the information experiments, students will beriments for seven weeks. In each experiment, rk on the problem systematically, keeping in mind in charge of each experiment. Students are conducting each experiment is as follows. , two themes shown in the lesson plan will be will be given in the first week. The method of iment with electric and electronic circuits as al, electronic, and information contests. Students develop teamwork skills. Students design and wo groups, with seven weeks of experiments per iidance will be given in the first week. e investigation. Each student will have a different e. Students will be assigned to different roles based sure that all students have the same level of . In order to confirm that the cooperation is k in the campus using the knowledge and skills will evaluate (100%), and the average score will ment will evaluate the students based on the sing the following evaluation method as a basis, person. atus of their roles and the achievement of their on the results (70%). The teacher will be evaluated the following evaluation method as a basis, person. | | |
|--------------|----------------|--|--|---|--|--|
| | | | ed with www.DeepL.com/Translator (free version) his course requires students to study outside of clas | s hours. 15 credit hours per credit hour are | | |
| Notice | | offered, Advice 1 technolo enginee seriousl Basic s. 4), Com Control Commu Related Advice 1 plan is a group a arrivals Unlike t experim | but 30 credit hours of study are also required. Stuc or students: This is a valuable opportunity to under gy through experiments. This is a valuable opportu- ring technology through experiments, and I hope thy bigets: Digital Engineering I, II (Information 2, 3), crol Engineering (Electrical and Electronic 4), Inform Engineering I, II (Information 4, 5), Information Ne nication Engineering (Information 5), etc. courses: Special Research on Electronics and Inforr or students: The above lesson plan is an example, an example, and actual progress may vary. You will nd precautions to take during the guidance, so be s will also be instructed in the guidance. he experiments in this course, we will not give detai ents, how to collect data, and how to compile repor | dents are required to study 30 credit hours. stand the basic techniques of engineering inity to understand the basic techniques of hat students will understand this and take it Electronic Circuits I, II (Electrical and Electronic 3, hation Processing (Electrical and Electronic 5), etwork (Information 4), Information and mation Systems (2nd year), etc. and actual progress may vary. The above lesson be given instructions on how to proceed in your ure to attend and confirm the instructions. Late iled instructions on the contents of the | | |
| | | of Class , | / Division in Learning | Demote Class Instructor Professionally | | |
| ☑ Active | Learning | | ☐ Aided by ICT ☐ Applicable t | to Remote Class Experienced | | |
| Course | Plan | i | | | | |
| | | 1.ct | Theme | Goals | | |
| | | 1st 2nd | Guidance for Electrical and Electronic Experiments Experiments [Invention, design and fabrication of microcomputer circuits, programming and operation experiments] | Completion of the 1st electrical and electronic experiments based on group activities | | |
| 1st | 1 et | 3rd | Experiments [Invention, design and fabrication of microcomputer circuits, programming and operation experiments] | Completion of the 2nd electrical and electronic experiments based on group activities | | |
| Semeste r | 1st Quarter | 4th | Experiments [Invention, design and fabrication of microcomputer circuits, programming and operation experiments] | Completion of the 3th electrical and electronic experiments based on group activities | | |
| | | 5th | Experiments [Invention, design and fabrication of microcomputer circuits, programming and operation experiments] | Completion of the 4th electrical and electronic experiments based on group activities | | |
| | | 6th | Experiments [Invention, design and fabrication of microcomputer circuits, programming and operation experiments] | Completion of the 5th electrical and electronic experiments based on group activities | | |

| | 1 | -1 | 1 | | | | | |
|--------------------------|----------------|------------|---|----------------------|-----------------------------|--|---|--------------------------|
| | | 7th | Experiments [Inve microcomputer cir operation experim | cuits, programm | d fabrication of ing and | Completion of the experiments base | | |
| | | 8th | Revision of reports | s and additional e | experiments | Completion of al | l electrical and e | lectronic |
| | | 9th | Experiment [Desig circuit boards] | n and fabrication | n of printed | Completion of the experiments base | | |
| | | 10th | Experiment [Desig circuit boards] | n and fabrication | n of printed | Completion of the experiments base | e 8th electrical a ed on group activ | nd electronic /ities |
| | | 11th | Experiment [Desig circuit boards] | in and fabricatior | of printed | Completion of the experiments base | e 9th electrical a ed on group activ | nd electronic /ities |
| | 2nd Ouarter | 12th | Experiment [Desig circuit boards] | in and fabricatior | of printed | Completion of the experiments base | e 10th electrical | and electronic /ities |
| | Quarter | 13th | Experiment [Desig circuit boards] | n and fabricatior | of printed | Completion of the experiments base | e 11th electrical | and electronic /ities |
| | | 14th | Experiment [Desig circuit boards] | n and fabricatior | of printed | Completion of the experiments base | e 12th electrical | and electronic /ities |
| | | 15th | Apply a contest | | | Completion of all electrical and electronic | | |
| | | 16th | | | | | | |
| | | 1st | Guidance for Infor | mation System E | xperiment | | | |
| | | 2nd | Experiments [Desi systems] | gn and construct | ion of network | Completion of the on group activitie | | periment based |
| | | 3rd | Experiments [Desi systems] | gn and construct | ion of network | | | |
| | 2 | 4th | Experiments [Desi systems] | gn and construct | ion of network | k Completion of the 3rd network experiment on group activities | | |
| | 3rd Quarter | 5th | Experiments [Desi systems] | gn and construct | ion of network | Completion of the | e 4th network ex s | periment based |
| | 6th | | Experiments [Desi systems] | gn and construct | ion of network | Completion of the on group activitie | | periment based |
| | | 7th | Experiments [Desi systems] | gn and construct | ion of network | k Completion of the 6th network experience on group activities | | periment based |
| 2nd | | 8th | Revision of the rep | port and addition | al experiments | ts Completion of the network experiment a submission of the report | | ment and |
| Semeste r | | 9th | Experiments [Emb microcomputers] | edded programn | ning with H8 | Completion of the on group activitie | | periment based |
| | | 10th | Experiments [Emb microcomputers] | edded programn | ning with H8 | Completion of the on group activitie | | xperiment based |
| | | 11th | Experiments [Emb microcomputers] | edded programn | ning with H8 | Completion of the on group activitie | | periment based |
| | 4th | 12th | Experiment [Contr | rol simulation usi | ng MATLAB] | Completion of the 4th network experiment b on group activities | | periment based |
| | Quarter | 13th | Experiment [Four- experiment] | wheel motor con | trol | Completion of the 5th network experiment b on group activities | | periment based |
| | | 14th | Experiment [Four- experiment] | wheel motor con | itrol | Completion of the on group activitie | e 6th network ex s | periment based |
| | | 15th | Revision of reports | s, additional expe | eriments | Completion of al reports, grade co | l experiments an nfirmation | d submission of |
| | | 16th | | | | | | |
| Evaluati | ion Met | hod and \ | Neight (%) | 1 | 1 | | | 1 |
| | E | xamination | Presentation | mutual evaluation | Behavior | Report | Other | Total |
| Subtotal | 0 | | 0 | 70 | 0 | 30 | 0 | 100 |
| Basic Proficienc | y o | | 0 | 0 | 0 | 0 0 C | | 0 |
| Specialize Proficienc | | | 0 | 0 | 0 | 30 0 30 | | 30 |
| Cross Are Proficienc | a 0 y 0 | | 0 | 70 | 0 | 0 | 0 | 70 |
| | | | | | | | | |

| Tsuya | ama C | ollege | | Year | 2021 | | Course Title Practical English II | | | |
|---|---|---|---|--|--|--|--|--|--|--|
| Course Inf | ormat | ion | | | | | | | | |
| Course Code | | 0029 | | | | Course Categor | | | | |
| Class Format | | Lecture | | | | Credits | | Academic | Credit: 2 | |
| Department | | System | Engi | ectronics and I neering Cours | | Student Grade | | Adv. 2nd | | |
| Term | | First Ser | nest | er | | Classes per We | ek | 2 | | |
| Textbook and Teaching Mat | | Success | ful K | eys to the Toe | ic, Goal 500; Han | douts, Dictionar | ry | | | |
| Instructor | | RAMBO | Eric | | | | | | | |
| Course Ob | | es | | | | | | | | |
| research resu [Course Obje 1. Develop th ideas about fa 2. Be able to 3. To raise th Image: After unde in an easy-to | rall Engl ults and ctives] e Englis amiliar give pro e score erstandii | interactin sh commu matters ar esentation of langua ng the oth | g wi nica nd oi is at ge te er p | th the audienc tion skills and ne's specialty. a level that is ests such as Tr erson, such as | e. acquire basic Eng appropriate for in OEIC as a means | lish proficiency t ternational conf of measuring yo te general public | to unde ference: our achi c, vou c | erstand an s. ievement. can conve | v vour own opinions and thoughts | |
| Rubric | | | - | | | | | | | |
| | | | I | deal Level | | Standard Level | | | Unacceptable Level | |
| Achievement | 1 | | p ci ic | | niliar matters | Has acquired gererally well English proficiency to understand and convey basic information and ideas about familiar matters and one's specialty. Has not acquired English proficiency to understand a convey basic information ar ideas about familiar matters and one's specialty. | | | | |
| Achievement | 2 | | p | las acquired su resentation sk nternational co | ills in English for | Has generally acquired sufficient presentation skills in English for international conferences. Has not acquired sufficient presentation skills in English international conferences. | | | | |
| Achievement | 3 | | | an solve TOEI ocabulary, gra omprehension omprehension | | Can generally s point level voca grammar, read comprehension comprehension | abulary, ling 1. and li | , stenina | Cannot solve TOEIC 450-point level vocabulary, grammar, reading comprehension, and listening comprehension problems. | |
| Assigned D | Depart | ment Ol | ojec | tives | | | | | | |
| Teaching N | 4ethoo | 1 | | | | | | | | |
| Outline | | Basic dis Relation The purp while co technolc Relation "(F) Dev English, Class ou Students | scipli ship pose ordir ogy, ship elop whic tline s wil | ines: English, I with advanced of this course nating with the and participati with engineer ment of comm ch is an essent :: I be able to ma | on in academic so education progra nunication ability ial foreign langua | can literature, li goals: Iding the import through off-car ocieties." m: The main go and presentation ge for engineers in English while | inguistic tance of mpus tr pals of I n ability s. ". e learnir | f seeing th aining, sp earning a v, F-3: To ng express | tics nings from a global perspective pecial lectures on advanced nd education in this subject are be able to communicate in sions and techniques that are | |
| | | Class me class. At | etho the | d: To be able i same time, w | to express what y e will use the TOE | ou want to say EIC textbook to | in Engli prepare | sh by usir e for takin | ng the expressions studied in the g the TOEIC test. | |
| Style | | | | | Weekly exercises ninations 50%. | (assignments, o | quizzes | , PowerPc | int presentation.) 50%, and the | |
| Notice | | Precauti of 45 ho study ou Course a current attitude Basic su (Special Related Attenda | ons i ours o itside advic situa towa bjec 1) subj | for taking this of study is req e of class hour ce: Actively pa ation in which ards taking the ts: English IV ects: Technica | course: This cour uired per credit, in s, follow the instr rticipate in the cla TOEIC is widely ad a TOEIC test. (4th), Elective End I English reading sion after the star | course is a "course that requires study outside of class hours". A to dit, including the class hours and study outside of class hours. For instructions from the instructor. e class and submit the assignments within the deadline. Given the ely accepted as a means of judging English proficiency, have a posi re English I (4), English V (5), Elective English II (5), Practical Englis ding (Specialty 1) e start of class is considered to be late, and one credit hour will be | | | | |
| Characteri | stics o | | | vision in Lea | | | | | | |
| ☑ Active Lea | | | | Aided by IC | | Applicable t | o Remo | ote Class | □ Instructor Professionally Experienced | |
| Electiv | ve s | <u>ub</u> jec | t s | | | 1 | | | | |
| Course Pla | n | | | | | | | | | |
| | | | The | me | | | Goals | | | |
| 1st Somosto 1st | | 1st | | rse introductic hod. | on, e-learning, TO | EIC study | Unders | stand the | goals and methods of the course. | |
| | arter | 2nd | Writ TOE | ting your Curri EIC Unit 8 | culum Vitae (CV) | in English. | | tand the ve TOEIC | structure and purpose of the CV. practice. | |

| 1 | | | | | | | | | |
|-------------|------------------|---|--|--|---|---|---|--|--|
| | 3rd | Writing about you TOEIC Unit 8 | r background exp | perience. | | | ammar. | | |
| | 4th | Writing about you TOEIC Unit 9 | r skills. | | н | | | | |
| | 5th | Writing about you TOEIC Unit 9 | r work experienc | e and interests. | n | | | | |
| | 6th | Submit your CV; (English. | Conduct a job inte | erview in | Write a well-exp answers in the j | lained and corrector lained | ct CV; Give good | | |
| | 7th | Prepare for the Mi | dterm Exam | | Know all the voo TOEIC units; Ex | abulary and grar | nmar for the writing. | | |
| | 8th | Midterm Exam | | | | | | | |
| | 9th | Return Midterm E TOEIC Unit 10 | xam and correct | mistakes. | Learn from mist | akes. Effective T | DEIC practice. | | |
| | 10th | Start PPT about "I TOEIC Unit 10 | tart PPT about "My Current Research". OEIC Unit 10 | | | n with correct graphics practice. | ammar. | | |
| | 11th | Explain research t TOEIC Unit 11 | | | | | | | |
| 2nd | 12th | Explain research r TOEIC Unit 11 | Explain research method and equipment. TOEIC Unit 11 | | | | | | |
| Quarte | r 13th | Explain results and TOEIC Unit 12 | | | п | | | | |
| | 14th | Prepare for the Fi | nal Exam. | | Know all the voc TOEIC units; Ex writing. | abulary and grar plain your "Curre | nmar for the ent Research" in | | |
| | 15th | Final Examination | | | | | | | |
| | 16th | | | | Learn from mist learning. | akes. Plan for fut | ure English | | |
| on Me | thod and V | Weight (%) | | - | | | | | |
| | | Presentation | Mutual Evaluations between students | Behavior | Portfolio | Other | Total | | |
| ŗ | 50 | 30 | 0 | 0 | 0 | 20 | 100 | | |
| y | 50 | 30 | 0 | 0 | 0 | 20 | 100 | | |
| d y (|) | 0 | 0 | 0 | 0 | 0 | 0 | | |
| rea 0 0 0 0 | | | | 0 | 0 | 0 | 0 | | |
| | Quarter on Me | 2nd Quarter Product | 3rd TOEIC Unit 8 4th Writing about you TOEIC Unit 9 5th Writing about you TOEIC Unit 9 6th Submit your CV; 0 English. 7th Prepare for the Mi 8th Midterm Exam 9th Return Midterm Exam 9th Return Midterm Exam 10th Start PPT about "f TOEIC Unit 10 11th Explain research t TOEIC Unit 11 12th Explain research r TOEIC Unit 11 13th Explain results and TOEIC Unit 12 14th Prepare for the Fill 15th Final Examination 16th Return Final Exam Summary of Englis on Method and Weight (%) 50 30 30 30 dy 0 0 | 2nd TOEIC Unit 8 TOEIC Unit 8 4th Writing about your skills. TOEIC Unit 9 5th Writing about your work experienc TOEIC Unit 9 6th Submit your CV; Conduct a job internation English. 7th Prepare for the Midterm Exam 8th Midterm Exam 9th Return Midterm Exam and correct TOEIC Unit 10 10th Start PPT about "My Current Reseat TOEIC Unit 10 11th Explain research topic and goals. TOEIC Unit 11 12th Explain research method and equip TOEIC Unit 11 13th Explain research method and equip TOEIC Unit 12 14th Prepare for the Final Exam. 15th Final Examination 16th Return Final Exam and correct mis Summary of English learning strate on Method and Weight (%) y 50 30 y 50 30 y 0 0 | 2nd 10EC Unit 8 4th Writing about your skills. TOEIC Unit 9 5th Writing about your work experience and interests. TOEIC Unit 9 6th Submit your CV; Conduct a job interview in English. 7th Prepare for the Midterm Exam 8th Midterm Exam 9th Return Midterm Exam and correct mistakes. TOEIC Unit 10 10th Start PPT about "My Current Research". TOEIC Unit 10 10th Start PPT about "My Current Research". TOEIC Unit 11 11th Explain research topic and goals. TOEIC Unit 11 12th Explain research method and equipment. TOEIC Unit 11 13th Explain results and who would use your research. TOEIC Unit 12 14th Prepare for the Final Exam. 15th Final Examination 16th Return Final Exam and correct mistakes. Summary of English learning strategies. on Method and Weight (%) Mutual 50 30 0 0 40 0 0 0 | 2nd TOEIC Unit 8 Effective TOEIC 4th Writing about your skills. " 5th Writing about your work experience and interests. " 6th Submit your CV; Conduct a job interview in English. Writing about your cV; Conduct a job interview in English. 7th Prepare for the Midterm Exam Know all the voc TOEIC units; Exam 8th Midterm Exam Learn from mist TOEIC Unit 10 9th Return Midterm Exam and correct mistakes. Learn from mist TOEIC Unit 10 10th Start PPT about "My Current Research". Good explanatio Effective TOEIC 11th Explain research topic and goals. " 12th Explain research method and equipment. " 12th Explain results and who would use your research. " 14th Prepare for the Final Exam. Know all the voc TOEIC units; Explain results and who would use your research. " 15th Final Examination " " 16th Return Final Exam and correct mistakes. Learn from mist learning. 16th Return Final Exam and correct mistakes. Learn from mist learning. on Method and Weight (%) O O O O <td>2nd TOEIC Unit 8 Effective TOEIC practice. 4th TOEIC Unit 9 " 5th Writing about your work experience and interests. " 6th Submit your CV; Conduct a job interview in TOEIC Unit 9 Write a well-explained and correct answers in the job interview. 7th Prepare for the Midterm Exam Write a well-explained and correct answers in the job interview. 8th Midterm Exam Know all the vocabulary and grar TOEIC Units; Explain your CV in the TOEIC Unit 10 9th Return Midterm Exam and correct mistakes. Learn from mistakes. Effective TOEIC Unit 10 10th Start PPT about "My Current Research". Good explanation with correct gractice. 11th Explain research topic and goals. " 11th Explain research method and equipment. " 12th Explain results and who would use your research. " 13th Explain results and correct mistakes. Learn from mistakes. Plan for fut toeic Unit 11 13th Final Examination " 16th Return Final Exam and correct mistakes. Learn from mistakes. Plan for fut learning. 0 0 0 0 0 50 30 0 <t< td=""></t<></td> | 2nd TOEIC Unit 8 Effective TOEIC practice. 4th TOEIC Unit 9 " 5th Writing about your work experience and interests. " 6th Submit your CV; Conduct a job interview in TOEIC Unit 9 Write a well-explained and correct answers in the job interview. 7th Prepare for the Midterm Exam Write a well-explained and correct answers in the job interview. 8th Midterm Exam Know all the vocabulary and grar TOEIC Units; Explain your CV in the TOEIC Unit 10 9th Return Midterm Exam and correct mistakes. Learn from mistakes. Effective TOEIC Unit 10 10th Start PPT about "My Current Research". Good explanation with correct gractice. 11th Explain research topic and goals. " 11th Explain research method and equipment. " 12th Explain results and who would use your research. " 13th Explain results and correct mistakes. Learn from mistakes. Plan for fut toeic Unit 11 13th Final Examination " 16th Return Final Exam and correct mistakes. Learn from mistakes. Plan for fut learning. 0 0 0 0 0 50 30 0 <t< td=""></t<> | | |

| Detabolisk and/or leaching Matching 大建道部/OVAトン 「前来のすすめ」発展係、また、各日の進新テーマによって、購入すべと文法を組織能示すること /#30-000 Instructor KADOVA Hideoni Course Objectives 2 2月目前:第門とは異なる分野における思考力法をまなぶことによって、人間性潮腫の容量となるような教養を身につけることを学習目的とす。 3%3日度:また料理物は視路のない。社会、文化について多面的に理解して開始なの一見としてたみ的感情感の感情をしてはないとないたないまたに開てする。 1000をこえて火原すること、2 2月目前:第門とは異なる分野における思考力法をまなぶことによって、人間性潮腫なの一見としてため的簡単のが高いのないまたに開てする。 2015年の、1000をこえて火原すること、2 2 2月日:1 1000をこえて火原すること、2 2月日:1 1000をこえて火原すること、2 2月日:1 1000をこえて火原すること、2 2月日:1 1000をこえて火原すること、2 2月日:1 1000をこえて火原すること、2 2月日:1 1000をこえて火原する 2月日:1 1000をこえて火原する 2月日:1 1000をこえて火原する 2月日:1 1000をこえて火原する 2月日:1 1000をこえて火原する 2月日:1 1000をこないため 2月日:1 1000をこないため 2月日:1 1000をこないため 2月日:1 1000をごないため 2月日:1 1000をごないため 2月日:1 10000をごないため 2月日:1 10000 2月日:1 100000 2月日:1 1000000 2月日:1 <th>Ts</th> <th>uyama (</th> <th>College</th> <th>Year</th> <th>2021</th> <th></th> <th></th> <th></th> <th>Course Title</th> <th>Social</th> <th>Sciences</th> | Ts | uyama (| College | Year | 2021 | | | | Course Title | Social | Sciences |
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| Course Objectives Splini IIII Liqué 30 Splic abit 5 de 5 calc Laboration 1000000000000000000000000000000000000 | Teaching | Materials | がある。 | | うすすめ』 禺書 | 「房。ま | こに、各目の選 | 択テー | マによって, | 購人すべ | 、き文献を別途指示すること |
| Part Part Part 2 (本現ムる分野における影響方法をまなぶてどによって、人間性源器の時景となるような装置を与につけることを学編目的とす。 See Tele : 上会料学がな補品が与人間、社会、文化について多端の目前開始の理解し、回販社会の一良として社会に構成する上に付けても体的に豊くならっていた。 Ref Part Part Part Part Part Part Part Part | | | | Hidenori | | | | | | | |
| 登担う. Rubric 項 項 項 「評価項目」 十分に現業に参加すること 2/3以上の授業に参加すること 10回をこえて欠席することと、 「評価項目」 十分に現業に参加することしボー 日本にある程度健立ったレボー 日本にある程度健立ったレボー 日本になったレボーム 「評価項目」 日本によるる程度健立ったレボー 日本によるる程度健立ったレボー 日本になったレボーム 日本になったレボーム 「評価項目」 日本にようたビストンボー 日本によるる程度健立ったレボー 日本にようたレボーム 日本によったレボーム 「読むなわびにこと 日本のよりには、 日本のよりにしま 日本のよりにようたレボーム 日本にようたレボーム 「読むなわびにこと 日本のよりには、 日本のよりには、 日本のよりにようたレボーム 日本のよりにようたレボーム 「読むなわびにこと 日本のよりにようたい 日本のよりには、 日本のよりにようたい 日本のよりにようたい 「読むなわびにこと 日本のよりには、 日本のよりには、 日本のよりにようたい 日本のよりにようたい 「日本のより」 「たいり」 日本のよりには、 日本のよりによう 日本のよりによう 日本のよりにようしま 「日本のより」 「たいり」 日本のよりには、 日本のよりにようしま 日本のよりにようしま 日本のよりになっしょ 「日本のより」 「たいり」 「たいり」 日本のよりにようしま 日本のよりになっしょ 日本のよりになっしょ 日本のよりになっしょ 日本のよりになっしょ 日本のよりになっしょ 日本のよりになっしま 日本のよりになっしょ | 学習目的 : る。 | : 専門とは異 | 異なる分野にお | | | | | | | | |
| 増価目1 中口授業に参加すること 日 不可 評価項目2 十分に授業に参加すること 2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/ | 9 つ日見C を培う。 | 「糸食を垢」 |)。入间活勤\ | が子び肌のな割の | 「影音に関心を | 1月り, | 辛価とは何刀 | で垣九 | しなから技術 | 自てして | 山云に貝閣りる日見と糸食 |
| P#価項目1 +分に按案に参加すること 2/2/10/20 (20 (20 (20 (20 (20 (20 (20 (20 (20 (| Rubric | | | | | | | | | | 1 |
| Premate | | | 優 | | | | | | | | 不可 |
| 理師項目2 「を提出する/またには口頭」「一トを提出する/またには口頭」 出しない/または口頭報 物価をあこなろこと ビルない/または口頭報 物価をあこなろこと ビルない/または口頭報 物価をあこなろこと Assigned Department Objectives 画都在あこなろこと 御袖をあこなろこと 御本まるこなろこと Feaching Method 「「秋田する/または口頭」」 「秋日の小」/1000000000000000000000000000000000000 | 評価項目1 | | 十分は | 授業に参加するこ | こと こと こと | この授業 | に参加する | 2/3以 こと | 上の授業に参 | 加する | 10回をこえて欠席すること |
| Teaching Method | 評価項目2 | <u>.</u> | トを掛 | 出する/またはロ | コ頭 ートを摂 | 是出する | 5/またはロ | トを損 | 出する/また | こは口頭 | 指示に従ったレポートを提 出しない/または口頭報告 をおこなわないこと |
| | Assigne | d Depar | | | | | | | | | |
| | <u>Teac</u> hin | ig <u>Me</u> tho | od | | | | | | | | |
| Style 授業の方法: 毎週の当番報告者を中心として講義をおこないながら, 受講者の意見を求め, そこからさらに議論を発展 とせていく方法で進める。。 成績評価方法: 提出課題 (100%) もしく(は口部報告 (100%)。 +分な参加が評価対象となる必要条件である。課題は課題提示の翌 の提出することとし, 授業時間外の学習評価はその内容によってなされる。 Notice 履修上の注意: 木和目は [投業時間外の学習評価はその内容によってなされる。 履修上の注意: 木和目は [投業時間外の学習評価はその内容によってなされる。 水本和目は [投業時間外の学習評価はその内容によってなされる。 度確したご意: 木和目は [投業時間小の学習がについては、担当教員の指示に従っこと、 市業本の長極的な混合が必要である。実想 者の自律性につよく期待する。事前に行う準備学習はとくにもとめない、事前に行うするペナルティはもうけないが、受講 者の自律性につよく期待する。事前に行う準備学習はとくにもとめない、事前に行う進備学習はとくに必要ない。 基礎和目: 世界史 (1年), 次は珍様? (2), 「人間と欠仏」(4), 「人間と社会」(5) 関連和目: 沈し 受講上のアドバイス: この科目の受講者には、履修のために相当の学習意欲・知的好奇心・積極性が要求される。また ,講義中の模極的な混合が知道でれる。遅刻 (授業開始出たれること、) に対するペナルティはもうけないが、受講 者の自律性につよく (計待する。 第2) Active Learning ② Active Learning ③ Added by ICT ③ Applicable to Remote Class □ Instructor Professionally Experienced ③ Active Learning ③ Aided by ICT ④ Applicable to Remote Class □ Instructor Professionally Experienced ③ Added by ICT ③ Applicable to Remote Class □ Instructor Professionally Experienced ③ Added by ICT ③ Applicable to Remote Class □ Instructor Professionally Experienced ④ Aticity 消費 ① ① ○ ⑦ Added by ICT ◎ Amplicable to Remote Class □ Instructor Professionally Experienced ⑦ Added by ICT ③ Added by 日本(1) ○ ○ ⑦ Added by 日本(1) ○ | Outline | | て必須の問 に、 ン能 す が 能 力 を 日 -2: 地 郡 ま が 引 助 で に 、 が 能 力 を 育 の に 、 ン 能 者 教 す こ 、 が 能 う 教 で た の に の に の に の に の お い で う い で 者 い の で の で の の で の の で の の で の の で の | 題発見能力と課題 課を学会などで死 身につける。」に プログラムとの関 の多様な歴史観 このの科目は、近 がら,現代社会の | 1解決能力,す 表し,他の研 「相当する科目 「連:本科目が ・文化・習慣の 「代以降に生み | 「なわち 肝究者や 目である が主体とを の違いを か出され | 5創造的な成果 交換術者との交 する学習・教 を理解し、説明 1た社会科学の | を 生み 流を 通 (育 到 達 る の 古典や | 出すテサイン じて,プレゼ 目標は「(B)」 こと」である よく知られた | が た た た た い た い た い の で ー ら の で ー ら の で ー ら の で ー ら に こ で ー ら に つ で ー ら の で ー ら の で の の で の の で の の で の の で の の に の の に の の に の の に の の に の の に の の の の に ろ の の の に ろ の の の の | 究能力を身につけるととも /ョン能力やコミュニケーシ 野に立った人間性の育成」「 ご関する基本的な知識を参照 |
| Notice 1単位あたり45時間の学修が必要である。授業時間外の学修については、担当教員の指示に従うこと。 (講義中の積極的な発言が歓迎される。違知(授業開始におくれること、)に対するペナルティはもうけないが,受損 選税目 : 世界史(1年),政治経済(2),日本史(3),「人間と文化」(4),「人間と社会」(5) 現通程目:なし、一般物のな発言が敬迎される。違知(授業開始におくれること、)に対するペナルティはもうけないが,受損 潜の可降地のな発言が敬迎される。違知(授業開始におくれること、)に対するペナルティはもうけないが,受損 潜の目律性につよく期待する。 Characteristics of Class / Division in Learning 私は使 by ICT 図 Applicable to Remote Class □ Instructor Professionally Experienced 図 Active Learning 私は使 by ICT 図 Applicable to Remote Class □ Instructor Professionally Experienced 図 Active Learning 個 Instructor Professionally Experienced □ Instructor Professionally Experienced 2 Active Learning Qurater function Qurater function | Style | | 授業の方法 させていく 成績評価方 提出課題 | :: | 、口頭報告(10 | 00%) | 。十分な参加 | が評価が | 対象となる必 | | |
| Characteristics of Class / Division in Learning Image: Active Learning Image: Active Learni | Notice | | 履 履 履 履 履 履 履 度 に 単 の で の で で た し 単 の の 義 自 和 の で 、 者 基 関 受 満 の 礎 連 講 満 の 礎 連 調 志 二 の た や の 、 者 の 礎 調 の 礎 連 調 志 二 や の 売 の 読 の 礎 連 調 二 都 の 礎 連 調 満 二 の 読 の 礎 連 調 満 二 の 読 の 礎 連 調 満 調 の 礎 連 調 二 新 の 礎 連 調 二 新 の 礎 二 和 八 か の の 代 の で り の で り の で の で の で の で の で の で の で の で の で の で の で の で の で の の で の で の で の の で の の で の の の の の の の の の の の の の | 意:本科目は「招 たり45時間の 持極的な発言が につよく期待する につよく期待する 、 だいイス:この 和 積極的な 発言が 電 | 2業時間外の学あ を 修飾が必要では の で あ で で あ た に に な つ つ さ れる。 遅 う 政 か い 遅 で に は で う れ る に に に に つ こ う し れ し た て し に つ こ れ る の で あ 前 に っ で し れ こ っ に う し れ こ い 遅 で し れ こ っ に う う ひ し れ こ ん で う 、 か わ こ に に う う ひ こ れ こ ん で う 、 か わ に ん で う 、 か わ こ ん で う 、 か わ こ ん に う う ひ た れ こ ん で う う か わ こ ん で う う か わ た い た て う 、 か う れ た い た う う ひ う れ ろ 、 の う う わ こ ん で う う か う い た つ て う う わ た う つ こ ん て う つ た う ん こ つ て う の た う ん こ つ て う こ ん つ こ う わ こ ん つ こ う わ こ ん つ こ う わ こ っ つ こ う ん つ こ う わ こ っ つ こ つ う わ っ の つ こ う わ っ わ う わ っ つ こ つ っ つ ろ っ つ つ つ う う つ つ つ つ つ つ つ つ つ つ つ つ つ | を ふ た 、 刻 準 う よ 異 う い 、 刻 準 う 、 刻 準 う 、 刻 準 う 、 刻 準) 、 、 の の 、 の 、 の 、 の 、 の 、 の 、 の の の 、 の の の の 、 の の の の の 、 の 、 の 、 の の の の の の の の の の の の の | シ 要とする科目 受業時間外の学 のために相当 受業開始におく ジ 習はとくにも 1本史(3), 優修のために相 | 」でに習った。 「他学るるめる」 「当の | る。当該授 いては、担 いては、知 約 で い い の す 前 に 行 い 、 事 前 に イ 習 意 欲 ・ 知 的 ず と 、) に 対 の て は、 知 り 切 と 、) に い の て は 、 知 ら 切 で い て い の て に 、 知 の て い の て に 、 知 の つ に の つ に の つ に の つ に の つ に の つ に の つ に の つ に の つ に の つ に の つ に の つ に の う に の う に の う に の う の つ に の う の つ に の う の う の う の う の う の う の う の う の う の | 教員の指 奇るペキ う、 人 の う ル ・ テ ル ー の に し ー の に し ・ オ ル ・ プ の の ・ プ の の ・ プ の の の ・ プ の の の の 、 の 、 の の 、 の の 、 の 、 の 、 の 、 | 示に従うこと。 極性が要求される。また ティはもうけないが、受講 習はとくに必要ない。 間と社会」(5) 積極性が要求される。また |
| ② Active Learning ☑ Aided by ICT ☑ Applicable to Remote Class ☐ Instructor Professionally 選択 Course Plan Course Plan Active Learning ☑ Aided by ICT ☑ Applicable to Remote Class ☐ Instructor Professionally Experienced Semeste ☐ Instructor Professionally Ist ガイダンス、導入「社会科学」とはなにか。 Active Learning ☑ Applicable to Remote Class ☐ Instructor Professionally Experienced Semeste ☐ Instructor Professionally Ist ガイダンス、導入「社会科学」とはなにか。 Active Learning ☑ Applicable to Remote Class ☐ Instructor Professionally Experienced Semeste ☐ Instructor Professionally Ist ガイダンス、導入「社会科学」とはなにか。 Active Learning ☑ Applicable to Remote Class ☐ Instructor Professionally Experienced Semeste ☐ Instructor Professionally Ist ガイダンス、導入「社会科学」とはなにか。 Active Learning ☑ Applicable to Remote Class ☐ Instructor Professionally Experienced Semeste ☐ Intervent Ist Instructor Professionally Ist 漢習 Ist ガイダンス、導入「社会科学」とはなにか。 Active Learning Ũ Ist Ist Instructor Professionally Ist 漢習 Ist 漢習 Ist 漢習 Ist Ist Ist Ist Ist Ist Ist Ist Ist Ist | Charact | eristics | | | | | | | | | |
| 選択 Experienced Course Plan Ist ガイダンス、導入「社会科学」とはなにか。 2nd 社会科学的な思考について 2nd 社会科学的な思考について 3rd 演習 4th 演習 5th 演習 6th 演習 7th 演習 8th 演習 10th 演習 11th 演習 11th 演習 11th 演習 11th 演習 | | | 0.000 / | | 9 | | ☑ Applicable | e to Re | mote Class | | |
| Course Plan Goals Image: Semester Plan Image: Semester Plan Goals Image: Semester Plan Image: Semester Plan Semester Plan Image: Semester Plan Image: Semester Plan Image: Semester Plan Image: Semester Plan Image: Semester Plan Image: Semester Plan Image: Semester Plan Image: Semester Plan Image: Semester Plan Image: Semester Plan Image: Semester Plan Image: Semester Plan Image: Semester Plan Image: Semester Plan Image: Semester Plan Image: Semester Plan Image: Semester Plan Image: Semester Plan Image: Semester Plan Image: Semester Plan Image: Semester Plan Image: Semester Plan Image: Semester Plan Image: Semester Plan Image: Semester Plan Image: Semester Plan Image: Semester Plan Image: Semester Plan Image: Semester Plan Image: Semester Plan Image: Semester Plan Image: Semester Plan Image: Semester Plan Image: Semester Plan Image: Semester Plan Image: Semester Plan Image: Semester Plan Image: Semester Plan Image: Semester Plan <td></td> <td>5</td> <td></td> <td></td> <td></td> <td></td> <td>11</td> <td></td> <td></td> <td>∣⊏xper</td> <td>IEIILEU</td> | | 5 | | | | | 11 | | | ∣⊏xper | IEIILEU |
| Image: Second Secon | | Plan | | | | | | | | | |
| Nome Note < | 200130 | | Т | heme | | | | Goa | lls | | |
| And Answer An | | | | | 「社会科学」。 | とはない | にか。 | | | | |
| Ard 演習 (1) Yuarter (1) (1) (1) Seneste (1) (1) (1) Ath (1) (1) (1) Seneste (1) (1) (1) Ath (1) (1) (1) | | | | | | | | 以下分 | 、毎週、レフ | ポート/こ ‴参加する | プレゼンテーション準備を十 5こと。 |
| $\begin{array}{ c c c c } \hline \mbox{Quarter} & \hline \mbox{Int} & \hline \mbox{Ref} \\ \hline \mbox{Sensete} \\ \hline \mbox{Sensete} \\ \hline \mbox{Sensete} \\ \hline \mbox{Sensete} \\ \hline \mbox{Int} & \hline \mbox{Ref} \\ \hline$ | | | 3rd 湄 | 習 | | | | 7510 | -11 572 572 5 | C ≫ //H 9 'c | |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | 4th 演 | | | | | | | | |
| 2nd Semeste 7th jaï 7th jaï | | Quarter | 5th 演 | | | | | | | | |
| Semeste 8th jaï 9th jaï 10th 10th jaï 10th 11th jaï 10th 12th jaï 10th 13th jaï 10th 14th jaï 10th | | | 6th 消 | | | | | | | | |
| 8th 演習 9th 演習 10th 演習 11th 演習 12th 演習 13th 演習 14th 演習 | 2nd | | 7th 消 | | | | | | | | |
| 10th 演習 回目 11th 演習 回目 12th 演習 回目 13th 演習 0 14th 演習 0 | Semeste | | 8th 演 | | | | | | | | |
| 4th Quarter 11th 演習 12th 演習 13th 演習 14th 演習 | • | | 9th 消 | | | | | | | | |
| 4th Quarter 11th 演習 12th 演習 13th 演習 14th 演習 | | | | | | | | | | | |
| 4th Quarter 12th 演習 13th 演習 14th 演習 | | | | | | | | | | | |
| 13th 演習 14th 演習 | | - | | | | | | | | | |
| 14th 演習 | | Quarter | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

| | 16th | 演習 | | | | | | | | |
|------------|----------------------------------|-----|------|------|----|------|-------|--|--|--|
| Evaluation | Evaluation Method and Weight (%) | | | | | | | | | |
| | 試験 | 発表 | 相互評価 | 自己評価 | 課題 | 小テスト | Total | | | |
| Subtotal | 0 | 100 | 0 | 0 | 0 | 0 | 100 | | | |
| 基礎的能力 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | | | |
| 専門的能力 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 分野横断的能 | カ 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |

| Tsı | uyama C | ollege | Year | 2021 | | (| Course Title | Moder | n Philosophy |
|--|----------------------------|--|--|---|---|--|---|---|--|
| | Informat | | | | 1 | | 1 | | |
| Course Co | | 0031 | | | Course Cate | gory | General | / | |
| Class Forn | nat | Lecture | Electronics and | Information | Credits | | | c Credit: | 2 |
| Departme | nt | | ngineering Cours | | Student Grad | de | e Adv. 2nd | | |
| Term | | Second Se | emester | | Classes per V | Week | 2 | | |
| Textbook Teaching I | | None | | | | | | | |
| Instructor | | KAMIYA K | Ken | | | | | | |
| Course (| Objective | es | | | | | | | |
| study of th | f this class ne problem | is to enable to of conten | e students to rec nporary philosopl | ognize their resp ny. | onsibility as er | ngineers | towards s | ociety th | rough the systematic |
| Rubric | | | | | | 1 | | | 1 |
| | | Excel | lent | Good | | Accepta | able | | Not acceptable |
| Achieveme | ent 1 | the h and i conte | student understa istorical backgro mportance of emporary philoso can explain very etails. | hds the historica and importa contempora | ry philosophy plain the | sophy and concernent and subscription of the student understands the historical background and importance of contemporary philosophy and con explain its background in the background state of the student understands the stu | | The student has not reached these levels. | |
| Achieveme | ent 2 | the p conce conte and c | student understa problems and epts of emporary philoso can explain them nsively in detail. | the probler concepts of contempora | ry philosophy blain the | the pro concept conterr | The student understands the problems and concepts of contemporary philosophy and can explain its basic issues. | | The student has not reached these levels. |
| Achieveme | ent 3 | an in welfa the u herse | student has gaine terest in the pub rre and can expre nique nature of elf and of others nsively and in de | ed The student lic an interest i ess welfare and in detail the nature of he | in the public can express | an inte welfare the uni | Ident has rest in the and can e que nature and of oth | public express e of | The student has not reached these levels. |
| Assiane | d Depart | ment Obj | | | | busic ii | | | |
| | g Metho | | | | | | | | |
| Outline | | Field of le Foundatio Relationsl course. Relationsl Course ou field of er | hip with Educatio hip with JABEE p utline : Education ngineering. This y | ties ciplines : philoso nal Objectives : rograms : The m in ethics is a neo | This class corre ain goal of lead cessary culture ire further into | rning an e for con o the cha | d education temporary aracter of o | n in this enginee | e advanced engineering subject is "G ". ers and researchers in the ological society through |
| Style | | Course m discussior coursewo Grade eva | ethod : Classes v v with students. S rk. | vill be held in the Students will be e One paper (50% | e second seme expected to stu | ster. Tea udy outs | aching will ide of the | | ucted mainly through n to prepare their contents of the course |
| Notice | | Precautions on the enrollment : This is a class that requires study outside of class hours. A total of 4 of study is required per credit, including both class time and study outside class time. Follow the inst of the instructor regarding study outside of class hours. Advice concerning enrollment: Since it will be obligatory to submit a paper, read newspapers etc. on basis and form your own interests. Organize what you have learned and whatever questions you ma after each class to prepare for the next class. Foundational subjects : Ethics (All programs, 1st year), Engineering Ethics (All programs, 5th year) Related subjects : Engineering Ethics (Advanced course, 1st year) Attendance advice : Although participation in itself will not be evaluated, students should attend at le of the classes. Although students who repeatedly arrive late will not be considered absent for that restudents who come excessively late will be considered absent. | | | | | e. Follow the instructions wspapers etc. on a daily juestions you may have rams, 5th year) | | |
| Characte | eristics c | of Class / | Division in Le | arning | | | | | |
| ☑ Active | 2 | | Aided by IC | Т | ☑ Applicable | e to Ren | note Class | | structor Professionally ienced |
| | | ubject | . 5 | | | | | | |
| Course I | | ₁ | heme | | | Goals | | | |
| | | | ntroduction | | | | ral explan | ation of t | he goals |
| Introduction 2nd The Foundations of Contemporary Philosophy 3rd The Foundations of Contemporary Philosophy | | | of Contemporary | Philosophy | | s 1 & 3 | | | |
| | | 51&3 | | | | | | | |
| 2nd | 3rd | | | of Contemporary | | | s 1 & 3 | | |
| Semeste r | Quarter | | | | | | 51&3 | | |
| | | he Development of Contemporary Philosophy he Development of Contemporary Philosophy | | | | Goals 1 & 3 | | | |
| | I | 0ui ii | ne Development | of Contemporar | y Philosophy | Goals | 5183 | | |
| | | | | of Contemporar | | | <u>5183</u> 5183 | | |

| | | Oth | Contoneneuro | ilaaan hu and T | ha a la au | Carl 2 | | |
|--------------------------|---------|------------|-------------------|--|--------------------|-------------|------------|-------|
| | | 9th | Contemporary Ph | | | Goal 2 | | |
| | | 10th | Contemporary Ph | ilosophy and Tec | hnology | Goal 2 | | |
| | | 11th | Contemporary Ph | ilosophy and Tec | hnology | Goal 2 | | |
| | 4th | 12th | Contemporary Ph | ilosophy and Soc | iety | Goals 2 & 3 | | |
| | Quarter | 13th | Contemporary Ph | ilosophy and Soc | iety | Goals 2 & 3 | | |
| | | 14th | Contemporary Ph | ilosophy and Soc | iety | Goals 2 & 3 | | |
| | | 15th | Contemporary Ph | ilosophy and Soc | iety | Goals 2 & 3 | | |
| | | 16th | Explanation of Ev | aluation | | Goal 3 | | |
| Evaluat | ion Me | thod and | Weight (%) | | | | | |
| | E | xamination | Presentation | Mutual evaluations between students | Self Assessment | Assignment | Mini exams | Total |
| Subtotal | 0 | | 50 | 0 | 0 | 50 | 0 | 100 |
| Basic Proficienc | cy O |) | 40 | 0 | 0 | 40 | 0 | 80 |
| Specialize Proficienc | ed o | | 0 | 0 | 0 | 0 | 0 | 0 |
| Cross Are Proficienc | | | 10 | 0 | 0 | 10 | 0 | 20 |

| Tsuyama Co | ollege | Year | 2021 | | | Course Title | Specia Advar | al Lecture on Inced Engineering |
|--|--|---|---|--|---|---|---|---|
| Course Informati | on | | | | | | · | |
| Course Code | 0022 | | | Course Cate | gory | Specializ | zed / Elec | ctive |
| Class Format | Lecture | | | Credits | | Academ | ic Credit: | : 1 |
| Department | | ectronics and neering Cours | | Student Grad | de | Adv. 2n | d | |
| Term | Intensive | | | Classes per V | Week | | | |
| Textbook and/or Teaching Materials | Distribute re | ference mater | rials as needed. | | | | | |
| Instructor | | Kazunori,TERA | MOTO Takayuki, | KONISHI Daijir | ro | | | |
| Course Objective | S | | | | | | | |
| Learning purposes : By learning about the provide hints for new | | | | ecognizing the i | import | ance of tec | hnology i | n society, this subject will |
| Course Objectives : 1. Be able to know th world, and explain th 2. Considering the rel opinions regarding th | e outline appr ationship with | opriately. I society and t | the impact of tec | | | • • | - | |
| Rubric | | | | | | | | |
| | Excellen | t | Good | | Accep | table | | Not acceptable |
| Achievement 1 | investiga the lectu exempla accordin | thoroughly ate the conter ure and write ary report g to the task, g the content. | nt of content of t a and write a report acco task, includ | exemplary rding to the | | asks, you ca ort accordin | | You have not reached the level shown on the left. |
| Achievement 2 | and the technolo you can exempla fully incl | ship with socie impact of oav on society | and the implementation of the constant of the | with society bact of on society, ite a report that ur own | that i | an write a r ncludes you hts and opi | ir own | You have not reached the level shown on the left. |
| Assigned Departr | nent Objec | tives | | | | | | |
| Teaching Method | | | | | | | | |
| | * Relationshi | ip with practic ackles the des chnology at co in various fie | e: This subject p signated tasks. T ompanies etc. Stu Ids, broaden you | participates in le he lecture will udents will lear r horizons, and | ecture: be helo n abou d learn | s and works d by inviting it the techn about the i | shops des lecturer ological t mpact of | signated by the advanced s who are involved in rrends and the progress of technology on society. |
| | Field of learn | | pecialized n and basics of n sciplines : Engine | | Science | е | | |
| Outline | This class is lectures and | equivalent to | iètiés, the studer | | | | | n advanced technology nities and as well has |
| | The main go Since the co | ntent is divers | / education in th | ted to the deve | elopme | ent of huma | nity from | s also involved in "G-1". a global perspective and |
| | Itechnologica | cial lecture to I trends and t nd broaden ye | learn about the he progress of th our horizons, and | ie research in e | eách of | f the surrou | ndina fie | specialty, the lds. Deepen your society and the impact of |
| | designated b | independent | ly select assignm ed course, partici d course website | ipate in them, a | and co | mplete the | designat | earning classes, etc. ed tasks. Information will |
| Style | The instructor report on the small assigning credits will b | e task after th ments, and ge e approved by | rill specify each ta e lecture. Particip et a passing score | pate in 7 or mo e. If you get a Course Steering | pre lect passin | tures held a g score in 4 | s this sul or more | the evaluation of the bject, submit 4 or more small tasks, the final the school year based on |

| Notice | | This sul per cree the inst is only s time to Course Downlo course efforts Therefo trends Shimbu Founda Related Attenda This sul | dit, including the class hours and stud ructions of the instructor. This subject spoken in a short time in the lecture, tackle the tasks. advice : and and print the advanced technolog homepage in advance. Since it will be to expand knowledge without sticking ore, as preparatory learning to be per of front-end technology in Japan and in. tional subjects : All the subjects you a subjects : All the subjects you will l ance advice : bject is related to nuclear human rese | t is a "subject that requires study outside of class hours". A total of 45 hours of study is requincluding the class hours and study outside of class hours. For study outside of class hours, for ions of the instructor. This subject is a special lecture, and you should be aware that the essence in a short time in the lecture, take time for learning other than the lecture, and take suffice the tasks. ice : and print the advanced technology special lecture attendance confirmation form from the adverge in advance. Since it will be implemented on a wide range of themes, it is important to espage in advance. Since it will be implemented on a wide range of themes, it is important to expand knowledge without sticking to a narrow specialty. as preparatory learning to be performed in advance, it is useful to learn the current situation ont-end technology in Japan and overseas by reading the Nikkan Kogyo Shimbun and Nihon al subjects : All the subjects you have learned. advice : the subjects you will learn. advice : to nuclear human resources development. Since the class will be mainly conducted electurer, be careful not to be rude as a student of our school. | | | | | | | |
|----------------|----------------|--|---|--|--|---|--|--|--|--|--|
| Charact | eristics o | of Class | / Division in Learning | 1 | | I | | | | | |
| Active | Learning | | □ Aided by ICT | Applicable t | o Remote Class | ☑ Instructor Professionally Experienced | | | | | |
| | | subjed | cts | | | | | | | | |
| Course | Plan | 1 | 1 | | | | | | | | |
| | | | Theme | | Goals | | | | | | |
| | | 1st | Guidance (conducted at the oriental beginning of the school year) | tion at the | You can make ar lectures on this s | n attendance plan for special subject throughout the two years. | | | | | |
| | | 2nd | Participation in lectures, workshops learning classes, etc. designated by | , remote y the instructor | write a exemplar including the cor Considering the impact of techno | ate the content of the lecture and y report according to the task, itent. relationship with society and the logy on society, you can write a t that includes your own thoughts | | | | | |
| | | 3rd | Participation in lectures, workshops learning classes, etc. designated by | , remote y the instructor | write a exemplar including the cor Considering the impact of techno | ate the content of the lecture and y report according to the task, itent. relationship with society and the logy on society, you can write a t that includes your own thoughts | | | | | |
| | | 4th | Participation in lectures, workshops learning classes, etc. designated by | , remote y the instructor | write a exemplar including the cor Considering the impact of techno | ate the content of the lecture and y report according to the task, itent. relationship with society and the logy on society, you can write a t that includes your own thoughts | | | | | |
| 1st Semeste | 1st Quarter | 5th | Participation in lectures, workshops learning classes, etc. designated by | , remote y the instructor | write a exemplar including the cor Considering the impact of techno | ate the content of the lecture and y report according to the task, itent. relationship with society and the logy on society, you can write a t that includes your own thoughts | | | | | |
| r | | 6th | Participation in lectures, workshops learning classes, etc. designated by | , remote y the instructor | write a exemplar including the cor Considering the impact of techno | ate the content of the lecture and y report according to the task, itent. relationship with society and the logy on society, you can write a t that includes your own thoughts | | | | | |
| | | 7th | Participation in lectures, workshops learning classes, etc. designated by | | write a exemplar including the cor Considering the impact of techno | ate the content of the lecture and y report according to the task, itent. relationship with society and the logy on society, you can write a t that includes your own thoughts | | | | | |
| | | 8th | Participation in lectures, workshops learning classes, etc. designated by | | write a exemplar including the cor Considering the impact of techno | ate the content of the lecture and y report according to the task, itent. relationship with society and the logy on society, you can write a t that includes your own thoughts | | | | | |
| | | 9th | It is necessary to participate in the a at least 7 times | above lectures | | | | | | | |
| | Jad | 10th | | | | | | | | | |
| | 2nd Quarter | 11th | | | | | | | | | |
| | | 12th | | | | | | | | | |
| | | 13th | | | | | | | | | |

| | | 14th | | | | | | |
|--------------------------|----------|-------------|--------------|--|----------|-----------|---------|-------|
| | | 15th | | | | | | |
| | | 16th | | | | | | |
| | | 1st | | | | | | |
| | | 2nd | | | | | | |
| | | 3rd | | | | | | |
| | 3rd | 4th | | | | | | |
| | Quarte | er 5th | | | | | | |
| | | 6th | | | | | | |
| | | 7th | | | | | | |
| 2nd | | 8th | | | | | | |
| Semeste r | | 9th | | | | | | |
| | | 10th | | | | | | |
| | | 11th | | | | | | |
| | 4th | 12th | | | | | | |
| | Quarte | er 13th | | | | | | |
| | | 14th | | | | | | |
| | | 15th | | | | | | |
| | | 16th | | | | | | |
| Evaluat | ion Me | ethod and | Weight (%) | | | | | |
| | | Examination | Presentation | Mutual Evaluations between students | Behavior | Portfolio | Reports | Total |
| Subtotal | | 0 | 0 | 0 | 0 | 0 | 100 | 100 |
| Basic Proficienc | cy 🗌 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Specialize Proficienc | ed 2y | 0 | 0 | 0 | 0 | 0 | 100 | 100 |
| Cross Are Proficienc | ea Cy | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Tsuyama Co | ollege | Year | 2021 | | Course Production Control Title Engineering | | | | | |
|--|---|---|--|---|--|---|----------------------|---|--|--|
| Course Informati | on | | | | | | | | | |
| Course Code | 0023 | | | Course Cate | gory | Specializ | , | | | |
| Class Format | Lecture | | T | Credits | | Academi | c Credit: | 2 | | |
| Department | | ectronics and neering Cours | | Student Gra | de | Adv. 2nd | | | | |
| Term | First Semest | er | | Classes per | Week | 2 | | | | |
| Textbook and/or Teaching Materials | Textbook: 坂 KAWAI Masa | | 理入門」(理工学社 |),「産業財産権 | を標準テキ | キスト:特許編」(発明協会) | | | | |
| Instructor Course Objective | • | | | | | | | | | |
| Learning purposes: | e the product becification wi ain the role of ain the fundar | th understand the product n nental methoo | ling the importance nanagement syste dologies of quality | en in the com control. | nt. npany. | | | icable problems, and how pplication. | | |
| Rubric | | | | | | | | | | |
| | Excellen | t | Good | | Accept | able | | Not acceptable | | |
| Outline for the produ management system | ct the purp methodo product | dent can expla bose and some ologies for the management in detail. | e fundamental | and some es for the | some f metho | udent can e fundamenta dologies for t managen 1. | il' the | The student cannot explain any fundamental methodologies for the product management system. | | |
| Quality control techniques | the purp method | dent can expla pose and some ologies for the control in deta | e fundamental | and some es for the | some f metho | udent can e fundamenta dologies for control. | al ' | The student cannot explain any fundamental methodologies for the quality control. | | |
| Patent specification writing | the pate with und intellect | dent can write ent specificatic derstanding ual property nd application | on the patent s with underst fundamental | pecification anding I thinking ctual | the par and fu about | udent can e tent specific ndamental intellectual ty rights. | caˈtion | The student cannot explain the patent specification and fundamental thinking about intellectual property rights. | | |
| Assigned Depart | nent Objec | tives | | | | | | | | |
| Teaching Method | | | | | | | | | | |
| | rights with e product man | xperience gain agement syst | ned from designin em and patent in | ig electronic p | products | in a compa | | It and intellectual property ducts this class about the | | |
| | Field of learr | - | natural science | | | | | | | |
| Outline | of the follow systems." | ing specialized | d technical fields f | or designing, | manufa | cturing, an | d operat | mation engineering t has acquired knowledge ion of machinery and s is "(A)" and "(D)." | | |
| | Course outlin Learn about activities and | product mana | agement that enh fication writing. | ances the con | npany's | productivit | y by con | trolling production | | |
| Style | Course meth * Use a blac about each c * Give some | nod: kboard mainly control item of reports for st | . However, intera the product man udents' comprehe | agement syst | tem. | _ | | n of concrete problems to learn design skills. | | |
| | Presentation | ubmission dat | ii-exam(30%) + r e of each report s | eports(30%) strictly. | | | | | | |
| | This class is forty-five ho | on the enrollm "Required out urs of teaching actions of the f | side of teaching h g and homework | ours course s per one unit. | study." ⁻ The stu | Therefore, t dent should | his cour: deal wi | se consists of a total of th the homework based | | |
| Notice | | o study volunt 準テキスト : 特 | | | lity and | reliability o | ther thar | n the textbook and read " Γ | | |
| | Foundationa Related subj | l subjects: Ap ects: All arour | plied Mathematics | s I (4th) <u>anced e</u> ngine | eering co | ourse | | | | |
| Characteristics of | , | | , | | | | | | | |
| Active Learning | | Aided by IC | | Applicabl | le to Rei | mote Class | | structor Professionally ienced | | |
| Elective s | ubjects | | | | | | | | | |

| Course | Plan | | | | | | | | |
|--------------------------|----------|------------|---------|-----------------------|---|-------|----------------------------|-------------------------------|-----------------|
| | | | Theme | 2 | | | Goals | | |
| | | 1st | Guidar | nce / About intellect | ual property rights | | Understand t rights | terms about intelled | ctual property |
| | | 2nd | Patent | systems | | | Understand s | some patent systen | ns |
| | | 3rd | Discus | sion about patent s | eeds | | | | |
| | 1st | 4th | Scope | of claim for patent | | | Understand specification | the scope of claim i | n the patent |
| | Quarter | 5th | Patent | survey and map | | | Understand t | the patent map | |
| | | 6th | Patent | specification writin | g | | Understand t | the patent specifica | tion |
| | | 7th | Presen | tation for the pater | nts | | Make presen patent | tation about the es | sentials of the |
| 1st | | 8th | About | product manageme | ent | | Understand t | terms about produc | t management |
| Semeste | | 9th | About | company and orgai | nization | | Understand to organization | terms about compa | ny and |
| | | 10th | About | the product manag | ement system | | Understand t system | terms of the produc | ct management |
| | | 11th | About | process manageme | ent | | Understand t | terms about proces | s management |
| | 2nd | 12th | About | quality control | | | Understand t | terms about quality | control |
| | Quarter | 13th | Statist | ical approaches in c | quality control | | Understand s | statistical approach | es in quality |
| | | 14th | About | cost control | | | Understand s | statistical processin | g techniques in |
| | | 15th | About | environment contro | bl | | Understand environment | management techn : control | iques in |
| | | 16th | | | | | | | |
| Evaluati | ion Met | hod and | Weigh | t (%) | | | | | |
| | | Examinatio | on | Presentation | Mutual Evaluations between students | Assig | nment | MIni-examination | Total |
| Subtotal | | 0 | | 40 | 0 | 30 | | 30 | 100 |
| Basic Prof | ficiency | 0 | | 20 | 0 | 15 | | 15 | 50 |
| Specialize Proficienc | | 0 | | 20 | 0 | 15 | | 15 | 50 |
| Cross Are Proficienc | | 0 | | 0 | 0 | 0 | | 0 | 0 |

| Tsi | uyama C | ollege | Year | 2021 | | | Course Title | Practic Coope | ce on Regional ration |
|-------------------------|----------------|--------------------------------|---|------------------------|---|-------------------|---|----------------------|--|
| Course I | Informat | ion | | | | | | | |
| Course Co | ode | 0024 | | | Course Cate | gory | Specializ | | |
| Class Forr | nat | Seminar | | | Credits | | Academi | c Credit: | 1 |
| Departme | ent | System Engi | ectronics and neering Cours | | Student Grad | | Adv. 2nd | 1 | |
| Term | 17 | First Semest | er | | Classes per V | Neek | 1 | | |
| Textbook Teaching | Materials | | | | | | | | |
| Instructor | | • | Kazunori,TERA | мото такау | икі | | | | |
| | Objective | | | | | - 711 114 | | | |
| 知識や技術 | 診存再確認し | D教育機関である 研究や学習の新 による課題の解 | たな展開を図る | くき役割を知る ための一助と | るとともに小中学生に する。 | こ科学・ | ・技術や実験の | り面日さな | ご伝えることにより, 各自の |
| ◎地域社会 | と連携した にも専門的 | 協働活動を通じ な知識や技術を | て, クライアン 分かりやすく訪 | ∕トの要求を解 −の要求を解 | 決するために創案し とが できる | た設計 | 解を実践して | 評価でき | 3 |
| Rubric | | | | | | 1 | | | |
| | | 優 | | 良 | | 可 | | | 不可 |
| 評価項目1 | | するため を実践し | ントの要求を触 に創案した設計 て評価できるた 新たな問題提起 きる。 | ¦解 動を通じ ≝け の要求を | と連携した協働活 て、クライアント 解決するために創 計解を実践して評 。 | 動を通 の要求 | L会と連携した 値じて、クライ えを解決するた こ設計解を実践 | イアント こめに創 | クライアントの要求を解決 するために創案した設計解 を実践できない。 |
| 評価項目2 | | , 一般市 識や技術 | を提案・作製し 民にも専門的な を分かりやすく ることができる | µ知 , 一般市 〔説 識や技術 | た教材を用いて 民にも専門的な知 を分かりやすく説 ることができる。 | , 一般 識や技 | られた教材を用 &市民にも専門 &術を説明し伝 ごきる。 | 86/27 | 与えられた教材を用いても 、一般市民に専門的な知識 や技術を説明し伝えること ができない。 |
| Assigne | d Depart | ment Objec | tives | | | | | | |
| Teachin | g Methoo | t | | | | | | | |
| | | 一般・専門の | 別:専門 学習 | 習の分野:自然和 | 科学系共通・基礎 | | | | |
| | | 基礎となる学 | 問分野 : 工学・ | 社会科学 | | | | | |
| | | 専攻科学習目 | 標との関連:本 | 科目は専攻科 | 学習目標「(6)校外調 | [習, ქ | 5. 当时,1997年1997年1997年1997年1997年1997年1997年1997 | 講義や学協 | 法への参加を通じて,地域 |
| | | 社会との連携 | を図るとともに | , 地球的視点) | からものを見ること | の大切 | さを埋解しく | いること | 」に相当する科目である。 |
| Outline | | 展開 H-1・1 | 地域社会との連 | 携した学習や研 | 田空などの協働活動 | をとお | して 専門分 | 野を理解 | との連携による総合能力の し(もしくは専門的観点から 与する。内容は多岐にわたる テーション能力の育成にも |
| | | 授業の概要: | 今まで学習して | きた知識や技行 | 術を活かして, 公開 が社会に及ぼす影響 | 講座等 | を通じて地域 | 社会に貢 | 献する。知識を深めるとと |
| | | 授業の方法: | 本校の関わる公 | 開講座や出前 | | ンパス | ・地域イベン | ト等へ積 授業を実 | 極的に参加して担当教員に 施する。 |
| Style | | し、 年度末の | :単位認定願の 専攻科運営委員 30%で評価し | 会を経て単位 | 認定を行う。地域二 | 告書(ーズに | レポート)に より授業とし | より評価 て開講し | する。評価は「100点法」と た場合には,試験 |
| | | 履修上の注意 | :本科目は「授 | 業時間外の学 | | 」であ 修につ | る。当該授業 いては,担当 | 時間と授 教員の指 | 業時間外の学修を合わせて 示に従うこと。 |
| | | 業として開講 かして地域社 | イス:事前に専 する場合は資料 会に貢献すると て履修可能な科 | を電子データ | ージより地域連携演 等で配布するので授 により知見を拡げる | 習実施 業中に 努力を | 報告書をダウ 閲覧できるよ することが大 | ンロード うにして 切である | して印刷しておくこと。授 おくこと。各自の専門を活 。 |
| Notice | | 基礎科目:こ | れまで学習して | きた科目全般 | | | | | |
| | | 関連科目:全 | ての科目 | | | | | | |
| | | 動すること。 | | | | | | | 生としての自覚を持って行 |
| Charact | aristics a | 」自分の専门分 f Class / Div | | | 待している。本科目 | いまだ | ッ の11争守は | 迎日祝貝 | |
| | | | Aided by IC | | | e to Re | emote Class | | structor Professionally |
| 選択 | 5 | | -, | | | | | Experi | enceu |
| _{进伏} Course | Dlan | | | | | | | | |
| | r Iai I | The | mo | | | Goa | | | |
| | | 1 行事 | への支援 | | | | 212 | | |
| 1st Semeste | 1st Ouarter | 1st 30k | 間以上 | 盟講体や出計で | 愛業, オープンキャン | | | | |
| r | 2 | | 、地域イベント | | | | | | |

| | | 3rd | ● 複数の行事に合き 告書(レポート)を は含めない)。 | 計30時間以上協力し を提出すること(実放 | ン, 決められた報 毎時間に移動時間 | | | |
|----------|---------|-----------|--|---|------------------------------|---------|-----|-------|
| | | 4th | 合 計 30時間以上 | | | | | |
| | | 5th | | | | | | |
| | | 6th | 授業時間外の学習 (指示事項):● 、 (準備日を設けて 準 めても良い)● 決 指示) | 内容〔項目〕 行事の予習,準備, 拝備を行った場合は められた報告書の作 | 後片付け , 授業時間に含 F成(書式は別途 | | | |
| | | 7th | 令和3年度は地域二 教育を基盤とした社施する。 | ニーズにより, 外部 社会人基礎力養成に | 講師により高等 関する授業を実 | | | |
| | | 8th | | | | | | |
| | | 9th | | | | | | |
| | | 10th | | | | | | |
| | | 11th | | | | | | |
| | 2nd | 12th | | | | | | |
| | Quarter | 13th | | | | | | |
| | | 14th | | | | | | |
| | | 15th | | | | | | |
| | | 16th | | | | | | |
| Evaluati | on Meth | nod and V | Veight (%) | | | | | |
| | 試 | | 課題 | 相互評価 | 態度 | ポートフォリオ | その他 | Total |
| Subtotal | 70 | | 30 | 0 | 0 | 0 | 0 | 100 |
| 基礎的能力 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| 専門的能力 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| 分野横断的 | 能力 70 | | 30 | 0 | 0 | 0 | 0 | 100 |

| Class Format Experiment Credits School Credit: 8 Department Advanced Electronics and Information System Engineering Course Student Grade Adv. 2nd Term Year-round Classes per Week 8 Textbook and/or Teaching Materials Classes per Week 8 Course Objectives Earning purposes : To acquire the ability to identify engineering and technical problems and to solve them concretely, and to acquire the basic skills of an engineer. Course Objectives: Course Objectives: Earning purposes : To acquire the ability to identify engineering and technical problems and to solve them concretely, and to acquire the basic skills of an engineer. Course Objectives: 1. To be able to use international papers and other sources to research information on research themes and to grasp trends in advanced technologies. Course Objectives: 2. To be able to independently develop a research plan, use hardware and software, perform specific experiments and analyses, and solve technologies. Not acceptable 3. Students can present their research results at academic conferences outside the university. To be able to freely exchange opinions and ideas with many engineers. Acceptable Not acceptable Achievement 1 To be able to conduct understand their research in foreign anguage papers and to understand their research in foreign anguage, connot research in analyzing and analyzing necessa | Tsuyama College Year 2021 Course Title Thesis Work II | | | | | | | | | |
|--|---|---|---|---|--|--|--|------------------------|--|--|
| Class Format Experiment Credits School Credit: 8 Department Advanced Electronics and Information System Engineering Course Student Grade Adv. 2nd Term Veer-round Classes per Week 8 Textbook and/or Teaching Materials KATORI Shigetaka NAKAMURA Shigeyuki,NISHIO Kimihiro,SHIMADA Takao,TERAMOTO Takayuki,KAWANAMI Instructor KATORI Shigetaka NAKAMURA Shigeyuki,NISHIO Kimihiro,SHIMADA Takao,TERAMOTO Takayuki,KAWANAMI Course Objectives Eaching purposes : To acquire the ability to identify engineering and technical problems and to solve them concretely, and to acquire the basic international papers and other sources to research information on research themes and to grasp trends in advanced technologies. 2. To be abite to independently develop a research plan, use hardware and software, perform specific experiments and analyses, and solve technical problems. Nat acceptable 3. Students can present their research ingrugge papers and to understand relate. Good Acceptable To be able to renduct research in foreign and analyzing meressari ingrugge papers, and to understand relate. To be able to renduct research theoreign and analyzing, recessary and analyzing meressari in accordance with the research objectives, and to be able to formulate a convin in accordance with the research objectives, and to be able to formulate a convin accordance with the research objectives, and to be able to formulate a convin accordance with the research objectives, and to be able to formulate a | Course Informatio | n | | | | | | | | |
| Department Advanced Electronics and Information Student Grade Adv. 2nd Term Year-round Classes per Week 8 Textbook and/or Textbook and/or Eaching Materials KATORI Shigetaka,MAKAMURA Shigeyuki,NISHIO Kimihiro,SHIMADA Takao,TERAMOTO Takayuki,KAWANAMI Himorichi,KIKUCH/ Yosuke Course Objectives Learning purposes : To acquire the ability to identify engineering and technical problems and to solve them concretely, and to acquire the basic skills of an engineer. Course Objectives : Course Objectives : Advanced technologies. 2. To be able to independently develop a research plan, use hardware and software, perform specific experiments and analyses, and solve technologies. Not acceptable 2. To be able to independently develop a research plan, use hardware and software, perform specific experiments and analyses, and solve technologies. Not acceptable 3. Students can present their research results at academic conferences outside the university. To be able to freely exchange opinions and ideas with mary engineers. Not acceptable Rubric Excellent Good Acceptable Not acceptable Achievement 1 Excellent Good Acceptable To be able to rendu understand their research in foreign and avaluing the avaluation the method of testing and evaluating the exchange opinions in aganese. To be able to make presentations and exchange opinions in aganese. Cannot make prese | Course Code (| 025 | | | Course Cate | gory | Specializ | ed / Con | npulsory | |
| Department System Engineering Course Student Grade Adv. 2nd Term Year-round Classes per Week 8 Toxtbook and/or Teaching Materials ATORI Shigetaka, NAKAMURA Shigeyuki, NISHIO Kimihiro, SHIMADA Takao, TERAMOTO Takayuki, KAWANAMI Hiromichi, KIKUCHI Yosuke ATORI Shigetaka, NAKAMURA Shigeyuki, NISHIO Kimihiro, SHIMADA Takao, TERAMOTO Takayuki, KAWANAMI Hiromichi, KIKUCHI Yosuke Course Objectives Earning purposes: 1 To acquire the ability to identify engineering and technical problems and to solve them concretely, and to acquire the basic skills of an engineer. Course Objectives: 2. To be able to independently develop a research plan, use hardware and software, perform specific experiments and analyses, and Sweig technical problems. Course Objectives: 2. To be able to independently develop a research plan, use hardware and software, perform specific experiments and analyses, and Sweig technical problems. Course Objectives: 3. To be able to conduct research research inforeign induces with many engineers. Not acceptable Not acceptable Rubric Excellent Good Acceptable Not acceptable Cannot cread a given paper in a foreign induces and information. Achievement 1 Excellent Good Acceptable Connot cread a given presearch inforeign induces and information. To be able to read a understand the research in advising or analyzing research inforeign in analyzing research inforeign in accordance with research oresearch inforeign in a | Class Format E | Experiment | | | Credits | | School C | redit: 8 | | |
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| Acquire the basic skills of an engineer. Course Objectives : 1. To be able to use international papers and other sources to research information on research themes and to grasp trends in advanced technologies. advancetent technologies. | Course Objectives | | | | | | | | | |
| 1. To be able to use international papers and other sources to research information on research themes and to grasp trends in advanced technologies. 2. To be able to independently develop a research plan, use hardware and software, perform specific experiments and analyses, and solve technologies. 3. Students can present their research results at academic conferences outside the university. To be able to freely exchange opinions and dicess with many engineers. 9.4. Have an awareness as an engineer and be able to contribute to the local community and the world. Rubric Rubric Excellent Good Acceptable Not acceptable Achievement 1 To be able to conduct research in foreign language papers and to understand the research on one's organizing, and analyzing necessary information. To be able to formulate a research plan hy oneself. Cannot understand the research objectives, and to be able to formulate a research plan on one's organizing, and analyzing necessary information. To be able to formulate a research plan by oneself. Cannot understand the research objectives, and to be able to foreign language. Cannot understand the research objectives, and to be able to formulate a research plan by oneself. To be able to make a conferences in foreign language. To be able to make presentations and conferences organizing, and analyzing necessary incommation. To be able to make presentations and evaluating the research plan by oneself. Cannot understand the reference in a foreign language. Achievement 2 To be able to formulate a resea | acquire the basic skills | acquire the of an engine | ability to iden eer. | tify engineering | and technical | probler | ns and to so | olve ther | n concretely, and to | |
| ExcellentGoodAcceptableNot acceptableAchievement 1To be able to conduct research in foreign language papers and to understand related technology and research trends by organizing, necessary information.To be able to conduct research trends by collecting, organizing, and analyzing necessary information.To be able to read a given article in a foreign language, Able to research literature in Japanese.Cannot read a given paper in a foreign language, Cannot research literature in Japanese.Achievement 2To be able to formulate a research plan on one's own in accordance with the research objectives, and to be able to logically explain the hypothesis the method of lesting and evaluating the research and the ersults.To be able to formulate a research plan on one's som in accordance with the research and to be able to logically explain the hypothesis to be able to logically explain the hypothesis to take presentations and exchange opinions at conferences in foreign languages.To be able to make a poster presentation in a foreign language.To be able to make presentations and exchange opinions in Japanese.Cannot make presentations and exchange opinions in Japanese.Achievement 4Understand the effects and impact of technology on society and nature, and understand the responsibility that engineers have to society. To be able to continuously improve ons as an engineer, and to as an engineer, and to as an engineer.Understand the influence and inderstand the responsibility that engineers have to society. To be able to continuously improve ons an engineer, and to as an engineer.Cannot en | To be able to use int advanced technologies. To be able to indepe and solve technical pro Students can pression opinions and ideas with | ndently dev blems. ent their res many engi | elop a research earch results a neers. | n plan, use hardu t academic conf | ware and softw erences outsid | ware, p le the ι | erform spec university. T | cific expe o be abl | eriments and analyses, | |
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| | | | | ing | | | | | | | |
| | | | learning : Experiment and pract | | | | | | | | |
| | | Foundat | tional academic disciplines : Eng | ineering/Electrical a | and Electronic Engi | neering, Information Engineering | | | | | |
| | | Relation | nship with Educational Objectives | s :This class is equiv | valent to "(4) Deve | elop multi-disciplinary ability". | | | | | |
| Outline | | of resea E-3, F-1 design s public h constrai formulas | elationship with JABEE programs :The main goals of learning / education in this class are "(E)Development research skills, E-1", also "A-3, C-1, C-2, D-1, D-2, D-3, E-2, 3, F-1, F-2, G-1, G-2, " and "H-1" is involved. In this class, students are expected to acquire the following sign skills: conceptual ability, problem-setting ability, ability to recognize problems from the viewpoint of ublic health and safety, culture, economy, environment, ethics, etc., ability to find solutions under the instraints arising from these problems, ability to express the conceptualized ideas in diagrams, sentences, rmulas, programs, etc., and ability to plan and implement continuously. In this course, students will be volved in developing the ability to find solutions under constraints arising from these problems, the ability to press their concepts in diagrams, sentences, formulas, programs, etc., and the ability to plan and uplement continuously. In addition, students are required to attend a lecture on engineering ethics. | | | | | | | | |
| | | indepen develop | outline :This class is designed to idently by working on distinctive ment skills. The results of the re ecessary, external presentations | research topics, ar search will be subn | id to deepen know nitted as a summa | ledge and acquire research and ry of the interim presentation, | | | | | |
| | | their su | ering research, write scientific an | efforts, the instructo | ors provide guidance | ce and advice on how to conduct | | | | | |
| | | Grade e plan. | evaluation method : The supervis | sor will evaluate acc | cording to the cond | litions indicated in the lesson | | | | | |
| Style | | In partic practica the midi be evalu disciplin (A) and or more | cular, the theme presentation wi I training report will be evaluate term presentation (outline, preli- uated as professional competence ary competence (10%). In the e (C) to (H) of the educational pro- e. If the evaluation score does no conducted. | d as cross-disciplina minary draft) and t e (70%), and the r evaluation, the leve ogram, and the stu | ary ability (10%). I he report on the le eport on the fieldw I of achievement w dent will pass if the | In addition, the preparation for ccture on engineering ethics will vork will be evaluated as cross- vill be evaluated for each item of e total evaluation score is 60% | | | | | |
| | | Precauti of study | ions on the enrollment : This is a / is required per credit, including nstructor regarding study outside | both class time an | | | | | | | |
| | | expecter receive (NIAD), Course" keeping | advice : This subject is the most d to take the initiative in all aspe a bachelor's degree from the Na , they are required to submit a "I '. In addition to the above, it is n i n mind that the contents of the s are required to submit a resea | ects and do their be itional Institution fo Master's Course Pla necessary for the stu e special research w | est. In addition, in r Academic Degree n" and a "Summar udents to proceed vill be the basis for | the second year, when students es and University Evaluation ry of the Results of the Master's with their research activities all of these. In addition, | | | | | |
| Notice | | | tional subjects : All subjects | | | | | | | | |
| | | Related | subjects : General subjects to b | be studied in the m | ajor | | | | | | |
| | | expecter receive (NIAD), Course" keeping | the advice : This subject is the red to take the initiative in all aspect is a bachelor's degree from the Na they are required to submit a "I". In addition to the above, it is no in mind that the contents of the sare required to submit a researce to submit a re | ects and do their be ational Institution fo Master's Course Pla necessary for the stu e special research w | est. In addition, in the constant of the const | the second year, when students es and University Evaluation by of the Results of the Master's with their research activities all of these. In addition, | | | | | |
| Charact | eristics | of Class / | / Division in Learning | | | | | | | | |
| Active | Learning | | □ Aided by ICT | Applicable | to Remote Class | Instructor Professionally Experienced | | | | | |
| Cauraa | Dlava | | | | | | | | | | |
| Course | Plan | | Theme | | Goals | | | | | | |
| | | 1st | Guidance (explanation by super proceed with the special resear | | Godis | | | | | | |
| | | 2nd | Students should plan their rese special research theme. Create a "Learning Summary C | | | | | | | | |
| | | 3rd | Mid-term presentation (around | the end of April) | | | | | | | |
| | 1st Quarter | 4th | Research Activities | · · · · | | | | | | | |
| 1st Semeste | | 5th | Consult with your academic adv presentation at an off-campus of appropriate time (while in the r | conference at an | | | | | | | |
| r | | 6th | Attendance at a lecture on engi | ineering ethics | | | | | | | |
| | | 7th 8th | | | | | | | | | |
| | | 9th | | | | | | | | | |
| | | 10th | | | 1 | | | | | | |
| | 2nd | 11th | | | | | | | | | |
| | Quarter | 12th | | | | | | | | | |
| | | 13th | | | | | | | | | |

| | | 14th | | | | | | |
|--------------------------|----------------|-----------|---|--|---|-----------|-------|-------|
| | | 15th | | | | | | |
| | | 16th | Writing a course p study Attendance at a le | 5 | | | | |
| | | 1st | Degree Application | | | | | |
| | | 2nd | | | | | | |
| | | 3rd | | | | | | |
| | 3rd | 4th | | | | | | |
| | Quarter | 5th | | | | | | |
| | | 6th | | | | | | |
| | | 7th | | | | | | |
| | | 8th | | | | | | |
| | | 9th | | | | | | |
| | | 10th | Time to prepare t (December - Janu | he "Special Resea ary) | arch Report" | | | |
| 2nd Semeste r | | 11th | Students compile a "Special Researd designated outline department head | ch Report" accorc and submit it to | eir research into ling to the the | | | |
| | | 12th | Special research p | | y February) | | | |
| | 4th Quarter | 13th | Prepare for the pr outline of the pres committee memb charge (late Janua | sentation to the s er of the maior d | teerina | | | |
| | | 14th | Final presentation (mid-February) | of the Special St | udy Report | | | |
| | | 15th | After peer review, Report" and subm department. After review, revis and submit it to tl | it it to the head one of the second sec | of the esearch Report" | | | |
| | | 16th | | | | | | |
| Evaluati | ion Meth | nod and V | Veight (%) | | | | | |
| | | amination | Presentation | Mutual Evaluations between students | Behavior | Portfolio | Other | Total |
| Subtotal | 50 | | 50 | 0 | 0 | 0 | 0 | 100 |
| Basic Proficienc | .y 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| Specialize Proficienc | ed 50 | | 40 | 0 | 0 | 0 | 0 | 90 |
| Cross Are Proficienc | | | 10 | 0 | 0 | 0 | 0 | 10 |

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| Alternational sectors of the sector of the s | hiro cally to solve ci oblems while s signal transmi e expressed by can be synthe vork. | ircuit problems. showing the rela ssion. the drive point sized. | Network theo ation with the | ry does | not solve a | ll the pro already | oblems of electric circuits, been learned. |
| athematic e these pr alyzed by ork can be in atwork ninal netv Excellent The stud understa accurate network. The stud understa accurate two-tern | cally to solve ci oblems while s signal transmi e expressed by can be synthe vork. | showing the relations of the drive point sized. | ation with the | ry does AC theor | not solve a y that has | ll the pro already | oblems of electric circuits, been learned. |
| e these pr alyzed by ork can be il network <u>minal network</u> <u>Excellent</u> The stud understa accurate network. The stud understa accurate two-tern | roblems while s signal transmi e expressed by can be synthe vork. t lent can ly analyze the | showing the relations of the drive point sized. | ation with the | ry does AC theor | not solve a ry that has | ll the pro already | oblems of electric circuits, been learned. |
| e these pr alyzed by ork can be il network <u>minal network</u> <u>Excellent</u> The stud understa accurate network. The stud understa accurate two-tern | roblems while s signal transmi e expressed by can be synthe vork. t lent can ly analyze the | showing the relations of the drive point sized. | ation with the | ry does AC theor | not solve a y that has | ll the pro already | oblems of electric circuits, been learned. |
| The stud understa accurate network. The stud understa accurate two-tern | lent can Ind and Iy analyze the | Good | | | | | |
| The stud understa accurate network. The stud understa accurate two-tern | lent can Ind and Iy analyze the | Good | | | | | |
| understa accurate network. The stud understa accurate two-tern | ind and ly analyze the | | | Accepta | able | | Not acceptable |
| understa accurate two-tern | | The student understand the network | and analyze | | dent can a the netwo | | The student will not understand and analyze the network. |
| The stud | | The student understand the two-ter network. | and explain | The stu explain networ | dent can a the two-te k. | lmost erminal | The student will not understand and explain the two-terminal network. |
| understa accurate | ly explain e two-terminal | reactance to | t can and explain wo-terminal | explain | dent can a reactance I network. | two- | The student will not understand and explain reactance two-terminal network. |
| | | The student understand four-termin | and explain | | dent can a four-termi k. | | The student will not understand and explain four-terminal network. |
| t Object | tives | | | | | | |
| | | | | | | | |
| d of learn quired, Ele indational work Eng ationship s class is e ationship e main goa urse outlin his lecture character | ective, etc. : Ele academic disc ineering with Education equivalent to "(with JABEE pro al of learning / e : e, the student istics of the in | and electronic ective subjects iplines : Engine al Objectives : (2) Acquire basi ograms : education in th will learn about put and output | ic science and is class is "(A) network analy when the inte | technica , A-2", a ysis and rnal netv | l knowledg lso "A-1" is design or s | e". s involve synthesis | s. The former is "to find |
| sses will b ek. sses are c orts. de evalua ms (70% minations | tion method :) + Report (30 will be conduct | d textbooks. So %). cted a total of 1 | lve the exercis time, and the | es durin e evaluat | g class. Stu ion ratios v | udents a vill be th | are required to submit ne same. Textbooks and |
| cautions c s is a "clas dit hours a urse advico efully che mples and indational ated subje I Electroni | on the enrollme ss that required are required in e : ck and underst d the exercises subjects : Electric a c System Engin dvice : ended that you | ent : s study outside addition to this tand the meanir prepared at th ctric Circuits II (and Electronic S neering Experin u take notes wh | of class hours Follow the in e end of each (4th year) ystem Enginee hents (4th), Do | ". Classe istruction chapter ering Exp esign of | s are offen as of your i erms that a and check eriments a Electronic a | ed for 15 nstructo appear in the cont and Pract and Info | 5 hours per credit, but 30 or for these studies. n textbooks. Solve the tents carefully. tice II (3rd year), Electric rmation Circuits (5th), |
| s a suit sesso curite osd uert ital | class is a tionship main goa rse outlin character ign the in rse meth ses will b k. ses are c orts. de evalua minations of is a "classi thours a autions of se advice fully che mples and ted subje Electroni ndance a recommenstand t | class is equivalent to " tionship with JABEE pro- main goal of learning / rse outline : his lecture, the student characteristics of the in ign the internal networ rse method : ses will be held in the fi- k. ses are centered aroun- orts. de evaluation method : ns (70%) + Report (30 minations will be condu- books are not allowed i autions on the enrollme is a "class that required it hours are required in rse advice : fully check and undersi- nples and the exercises mational subjects : Electric ted subjects : Electric a Electronic System Engi- ndance advice : recommended that you erstand the content of t | tionship with JABEE programs : main goal of learning / education in th rse outline : nis lecture, the student will learn about characteristics of the input and output ign the internal network given the input rse method : ses will be held in the first semester du k. ses are centered around textbooks. So orts. de evaluation method : ns (70%) + Report (30%). minations will be conducted a total of 1 books are not allowed for the exam. R autions on the enrollment : is a "class that requires study outside it hours are required in addition to this rse advice : efully check and understand the meanin nples and the exercises prepared at the ndational subjects : Electric Circuits II (ted subjects : Electric and Electronic S Electronic System Engineering Experin ndance advice : recommended that you take notes wh erstand the content of the lesson, ask t | class is equivalent to "(2) Acquire basic science and tionship with JABEE programs : main goal of learning / education in this class is "(A) rse outline : his lecture, the student will learn about network analy- characteristics of the input and output when the inter- ing the internal network given the inputs and output rse method : ses will be held in the first semester due to class time k. ses are centered around textbooks. Solve the exercise orts. de evaluation method : ms (70%) + Report (30%). minations will be conducted a total of 1 time, and the books are not allowed for the exam. Retaking Exame autions on the enrollment : is a "class that requires study outside of class hours it hours are required in addition to this. Follow the in rse advice : fully check and understand the meanings and definit nples and the exercises prepared at the end of each mational subjects : Electric Circuits II (4th year) ted subjects : Electric and Electronic System Enginee Electronic System Engineering Experiments (4th), Do ndance advice : recommended that you take notes while understand erstand the content of the lesson, ask the teacher. | class is equivalent to "(2) Acquire basic science and technica tionship with JABEE programs : main goal of learning / education in this class is "(A), A-2", a rse outline : his lecture, the student will learn about network analysis and characteristics of the input and output when the internal netwing the internal network given the inputs and outputs." rse method : ses will be held in the first semester due to class timetable. C k. ses are centered around textbooks. Solve the exercises during rts. de evaluation method : ms (70%) + Report (30%). minations will be conducted a total of 1 time, and the evaluation books are not allowed for the exam. Retaking Exams may be autions on the enrollment : is a "class that requires study outside of class hours". Classe it hours are required in addition to this. Follow the instruction rse advice : fully check and understand the meanings and definitions of the nples and the exercises prepared at the end of each chapter and hational subjects : Electric Circuits II (4th year) ted subjects : Electric and Electronic System Engineering Exp Electronic System Engineering Experiments (4th), Design of 1 ndance advice : recommended that you take notes while understanding the correst and the content of the lesson, ask the teacher. | class is equivalent to "(2) Acquire basic science and technical knowledg tionship with JABEE programs : main goal of learning / education in this class is "(A), A-2", also "A-1" is rse outline : his lecture, the student will learn about network analysis and design or scharacteristics of the input and output when the internal network config ign the internal network given the inputs and outputs." rse method : ses will be held in the first semester due to class timetable. Courses are k. ses are centered around textbooks. Solve the exercises during class. Stu- rts. de evaluation method : ms (70%) + Report (30%). minations will be conducted a total of 1 time, and the evaluation ratios w books are not allowed for the exam. Retaking Exams may be conducted autions on the enrollment : is a "class that requires study outside of class hours". Classes are offer it hours are required in addition to this. Follow the instructions of your i rse advice : efully check and understand the meanings and definitions of terms that a mples and the exercises prepared at the end of each chapter and check mational subjects : Electric Circuits II (4th year) ted subjects : Electric and Electronic System Engineering Experiments a Electronic System Engineering Experiments a electronic System Engineering Experiments (4th), Design of Electronic a matione advice : recommended that you take notes while understanding the contents ex- erstand the content of the lesson, ask the teacher. | class is equivalent to "(2) Acquire basic science and technical knowledge". tionship with JABEE programs : main goal of learning / education in this class is "(A), A-2", also "A-1" is involve rse outline : his lecture, the student will learn about network analysis and design or synthesis characteristics of the input and output when the internal network configuration is ign the internal network given the inputs and outputs." rse method : ses will be held in the first semester due to class timetable. Courses are offered k. ses are centered around textbooks. Solve the exercises during class. Students a orts. de evaluation method : ms (70%) + Report (30%). minations will be conducted a total of 1 time, and the evaluation ratios will be the books are not allowed for the exam. Retaking Exams may be conducted for tho autions on the enrollment : is a "class that requires study outside of class hours". Classes are offered for 1! it hours are required in addition to this. Follow the instructions of your instructor rse advice : fully check and understand the meanings and definitions of terms that appear in nples and the exercises prepared at the end of each chapter and check the cont ndational subjects : Electric Circuits II (4th year) ted subjects : Electric and Electronic System Engineering Experiments and Prac Electronic System Engineering Experiments (4th), Design of Electronic and Info ndance advice : recommended that you take notes while understanding the contents explained |

| Charact | eristio | cs of Class | / Division in Le | arning | | | | |
|-----------------------------|----------|--------------------|---------------------|--|-------------------|----------------|---------------------------|-------------------|
| Active | e Learni | ng | □ Aided by IC | Т | ☑ Applicable t | o Remote Class | Instructor Experienced | or Professionally |
| Course | Plan | | | | | | | |
| | | | Theme | | | Goals | | |
| | | 1st | Guidance | | | | | |
| | | 2nd | Introduction of ba | asic circuit netwo | rk | | | |
| | | 3rd | Overview of two- | terminal circuit a | nd four-terminal | | | |
| | 1st | 4th | Response, Freque | ency characteristi | cs | | | |
| | Quart | er <u>5th</u> | Immittance funct | ion | | | | |
| | | 6th | Reactance two-te | rminal network | | | | |
| | | 7th | Series circuit, Par | allel circuit | | | | |
| 1st Semeste r | | 8th | Reactance function | n, Equivalent cire | cuit of reactance | | | |
| | | 9th | Synthesis of react | ance circuit | | | | |
| | | 10th | Basic expression | of four-terminal r | network | | | |
| | | 11th | Four-terminal net | work connection | | | | |
| | 2nd | 12th | Equivalent circuit | of four-terminal | network | | | |
| | Quart | ^{er} 13th | Equivalent circuit | of each network | | | | |
| | | 14th | Analysis method | of each network | | | | |
| | | 15th | (1st semester fina | al exam) | | | | |
| | | 16th | Return and comm | entary of exam a | answers | | | |
| Evaluat | ion M | ethod and | Weight (%) | | | - | - | |
| Examination | | | Presentation | Mutual Evaluations between students | Behavior | Report | Other | Total |
| Subtotal | | 70 | 0 | 0 | 0 | 30 | 0 | 100 |
| Basic Proficienc | Cy | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Specialize Proficienc | | 70 | 0 | 0 | 0 | 30 | 0 | 100 |
| Cross Area Proficiency 0 | | | 0 | 0 | 0 | 0 | 0 | 0 |

| Tsuyama Co | ollege | | Year | 202 | 21 | | | Course Title | Electro | onic Device eering |
|--|---------------------------|----------------------|--|----------------------|--|---|--------------------------|------------------------------|-----------------------|---|
| Course Informati | ion | | | | | | | | | |
| Course Code | 0027 | | | | | Course Cate | ory | Specializ | ed / Elec | tive |
| Class Format | Lecture | 2 | | | | Credits | | Academi | c Credit: | 2 |
| Department | | | ectronics and neering Cours | | mation | Student Grad | le | Adv. 2nd | | |
| Term | First Se | emeste | er | | | Classes per \ | Veek | 2 | | |
| Textbook and/or Teaching Materials | | | | | | | | | | |
| Instructor | NAKAM | URA S | Shigeyuki | | | | | | | |
| Course Objective | s | | _ · | | | | | | | |
| | | である アイデ・ | 太陽電池を理解 ィアを考える。 | する | のに必要な基礎 | 逆知識を習得し | , その | 発電原理を理 | 解する。 | さらに変換効率の向上のた |
| 到達目標 1. 電子デバイスの理解に必要な半導体物性の基礎を理解する。 2. 電子デバイスの応用としての太陽電池を理解する。 3. 英語の技術論文を原文で読み, その内容をまとめる力をつける。 © 4. 技術論文をもとにディベイトカを身につける。 5. 変換効率向上のためのアイディアを考える。 | | | | | | | | | | |
| Rubric | | | | | | | | | | |
| | 優 | | | | 良 | | 可 | | | 不可 |
| 評価項目1 ーレハ 説明で | | | の電子のエネル について定量的 る。 | | 半導体中の電 ーレベルにつ 説明できる。 | | | 中の電子のコ ルについてオ きる。 | | 半導体中の電子のエネルギ ーレベルについて全く説明 できない。 |
| 太陽電池のについて | | | の発電メカニス エネルギー準位 定量的に説明て | 辺図 | 太陽電池の発 についてエネ を用いて定性 る。 | ルギー進位図 | につい | 池の発電メカ マエネルギー て大まかに訪 | -準位図 | 太陽電池の発電メカニズム についてエネルギー準位図 を用いて全く説明できない 。 |
| 英語の の内容 評価項目3 なく, | | | 術論文を読み, 発表できるだけ れに関する周辺 表できる。 | ナで | 英語の技術論 の内容を日本 る。 | 文を読み, そ 語で発表でき | 英語の の内容 発表で | 技術論文を誘 を大まかにE きる。 | み, そ 1本語で | 英語の技術論文を読み, そ の内容を全く発表できない 。 |
| 評価項目4 発表内容 分に答う | | | に関する質問に られる。 | :+ | 発表内容に関 8割程度は程。。 | | 発表内 6割程 | 容に関する貿 度は答えられ | 間に 1る。 | 発表内容に関する質問に 6割程度も答えられない。 |
| 評価項目5 | 率[| 見の可 句上の 説明で | 能性が高い変換 ためのアイディ きる。 | 効 ア | 実現性には係 率向上のため を説明できる | のアイディア | 率向上 | には係わらす のための簡単 を説明できる | なアイ | 変換効率向上のためのアイ ディアを説明できない。 |
| Assigned Departi | ment C | bject | tives | | | | | | | |
| Teaching Method | 1 | | | | | | | | | |
| | | 野の短 | 引:専門 学習 | の分 | 野:電気・電 | 子 | | | | |
| | 基礎とす | いス学問 | 問分野:工学/電 | 回気す | 『子丁学/雷子= | デバイス・雷子 | 樂哭 | | | |
| | | | | | | | | | | |
| | 専攻科= ,機械1 | らいした | 県 Cの 関連: 本 テムの 設計・政 | 除い | は 専以科子首日 運用に活用でる | 目标 1(2)電気 うきる能力を身に | 「竜士, つける」 | 「同報・利御し」 しに相当する | - 戌 9 るや 科目であ | 専門分野技術の知識を修得し る。 |
| Outline | 技術者教 2:「電 与する。 | 気·電 | コグラムとの関 子」に関する専 | 連 : 評門技 | 本科目が主体。 術分野の知識 | とする学習・教 を修得し,説明 | 育到達 できる | 目標は「(A こと」である |)技術に が, 付随 | 関する基礎知識の深化, A- 的には「(A-1)」にも関 |
| | | | | | ×+ · · · · · · · · · · · · · · · · · · · | | | | | |
| | デバイス | ての例る | 現在の科学技術 として太陽電池 , 英語の原著論 | を取 | り上げ,原理や | 基幹部品である ≫特徴を解説す | 電子テル るとと [:] | ハイスの発展 もに最新の技 | なしには 術につい | 語れない。本講座では電子 て多くの時間を割いて解説 |
| | 授業のア | 法: | 前半は板書ある | いは | パワーポイン | トを中心に進め | ていく | が、後半は各 | 学生が最 | 新の技術英語論文を調べ ンテーション力の向上を図 |
| Chulo | , それを | を個人で 未喚起の | ことにまとめて のため,毎回, | 発表 太陽 | し、他の字生れ 電池に関する | からの質問を受 英語の報道等か | けるこ ら話題 | とにより,技 提供を行う。 | 術フレセ | ンテーションカの向上を図 |
| Style | 成績評値 | 西方法 | | 成績 | | | | | 可する。 | 課題発表:レポート内容 |
| | 履修上0 | D注意 | | 業時 | 間外の学修をが 必要である。 | い要とする科目 受業時間外の学 | 」であ ^り | る。当該授業 | 時間と授 教員の指 | 業時間外の学修を合わせて |
| | , · · | | イス:「電子工 | | | | | , | | |
| Notice | 基礎科目 4),電 |]:電子 気電子 | 子工学(電気電 ² 材料(電気電 ⁻ | ;子, 子5) | 情報3年),電 ,光エレクト | 気磁気学(電気 ロニクス(電気 | ā電子, 〔電子5〕 | 情報3,4), など 関連 | 電子回路 科目:特) | 8(電気電子3, 4 ,情報 別研究 |
| | 受講上の で1回の およびし | Dアドバ 欠席と マポー (| バイス : 授業の さする。 2 0 分」 ト課題)は行わ は指定した期日 | 開始 以上の は まで | 時に出欠をとり D遅刻は1欠調 ればならない。 に必ず提出する |), その際に返 く, 65分以上の 論文は原文で ること。 | 事がな D遅刻は 読む必 | く,その後入 は2 欠課とする 要があるので | 室してき る。授業邸 技術英語 | た者は遅刻とする。遅刻3回 寺間以外の学習(予習と復習 力の向上も心がけること。 |
| Characteristics of | | | | | | | | | | |
| Active Learning | 2.000 | · | Aided by IC | | <u> </u> | | e to Re | mote Class | | structor Professionally ienced |
| 選択 | | | | | | • | | | | |
| Course Plan | | | | | | | | | | |
| | | Ther | me | | | | Goa | ls | | |

| | | | ガイダンス | | | | | |
|------------------|---------------------------|-----------|--|--------------------------------|--------------------|---------|-----|-------|
| | | | カイタンス 各自,太陽電池の作 内)の英語技術論文 。周辺技術の発表は | 製に関する最新(を読み, 内容をま 認めない。 | おおむね2年以 とめ,紹介する | | | |
| | | | 電子デバイスと半導 | | | | | |
| | 4 - 4 | 3rd | 半導体物性の基礎 | | | | | |
| | 1st Ouarter | 4th | 太陽電池の動作原理 | と特性 | | | | |
| | L L | 5th | 最近の技術動向 | | | | | |
| | | | 最近の技術動向 | | | | | |
| | | 6th | 発表用パワーポイン | ト作成 | | | | |
| 1st | | | 最近の技術動向 | | | | | |
| Semeste | | 8th | 最近の技術動向 | | | | | |
| | | 9th | 各自課題の発表と質 | 疑応答 | | | | |
| | | 10th | 各自課題の発表と質 | 疑応答 | | | | |
| | | 11th | 各自課題の発表と質 | 疑応答 | | | | |
| | | 12th | 各自課題の発表と質 | 疑応答 | | | | |
| | 2nd | 13th | 各自課題の発表と質 | 疑応答 | | | | |
| | Quarter | 14th | 各自課題の発表と質 | 疑応答 | | | | |
| | | | 期末試験の返却と解 | 説 | | | | |
| | | 15th | 太陽電池の変換効率 トにまとめる。 | 向上のためのアイ | ディアをレポー | | | |
| | | 16th | | | | | | |
| Evaluati | on Meth | nod and W | /eight (%) | | | | | |
| | 武験 発表 質問対応 態度 | | | | 態度 | ポートフォリオ | その他 | Total |
| Subtotal | | | | 0 | 0 | 0 | 100 | |
| 基礎的能力 | 日礎的能力 0 0 0 0 0 | | | 0 | 0 | 0 | 0 | |
| 専門的能力 50 0 10 0 | | | 0 | 0 | 0 | 60 | | |
| 分野横断的能力 0 40 0 0 | | | | 0 | 0 | 0 | 40 | |

| | ollege | Year | 2021 | | Course Title | Power | Electronics | | |
|---|----------------------------------|--|-------------|--|------------------------|--|--|------------|----------------------------------|
| Course Informati | on | | | | | | | | |
| Course Code | 0028 | | | | Course Cate | gory | Specializ | zed / Elec | tive |
| Class Format | Lecture | | | | Credits | | Academ | ic Credit: | 2 |
| Department | | ectronics and neering Cours | | mation | Student Grade Adv. 2nd | | | | |
| Term | First Semest | er | | | Classes per V | Week 2 | | | |
| Textbook and/or Teaching Materials | Textbook: Ne | ed Mohan et a | al. Pov | wer Electron | ics (John Wile | ey & S | Sons, Inc.) | | |
| Instructor | KOBAYASHI | Toshiro | | | | | | | |
| Course Objective | s | | | | | | | | |
| principles of power co Course Objectives 1. Understand the ap | plication area | and application | on fiel | | ion circuits, p | ower | devices, and | control r | nethods, and learn the |
| Understand power Understand the op | | | | conversion of | circuits. | | | | |
| Rubric | | | | | | | | | |
| Excellent Good Acceptable | | | | | | | | | Not acceptable |
| Achievement 1 | Be able concrete applicati | to explain ly the industr on areas and on fields. | | Explain basic areas and ap fields. | | Unde | erstand basic ication areas ication fields | and | It has not reached the left. |
| Achievement 2 | types, st features | n detail the ructures and of power dev rol methods. | vices | devices and control d | | devi | Understand power devices and control methods. | | It has not reached the left. |
| Achievement 3 | concept, operatin | n detail the types and g principles o onversion | of | principle of basic power | | Understand the operation of basic power conversion circuits. | | | It has not reached the left. |
| Assigned Departr | | tives | I | | | | | | |
| | | | | | | | | | |
| Teaching Method General or Specialized : Specialized Field of learning : Electrical / Information / Control Foundational academic disciplines : Engineering / Electrical and Electronic Engineering / Power Engineering / Electrical Equipment Engineering Relationship with Educational Objectives : This class is equivalent to a learning goal in advance course "(2) Acquire knowledge in specialized techn fields related to electricity / electronics, information / control, and acquire the ability to utilize it for the de / policy / operation of machines and systems." Relationship with JABEE programs : The main goals of learning / education in this class is "(A) Deepening basic knowledge about technology, : To be able to acquire and explain the knowledge of specialized technical fields related to "electricity / electronics" and "information / control". " Course outline Understand the basic characteristics of power devices and the operating principles of typical circuits for po electronics technology widely used in industry. Students will also learn the basics of technology applied to various applications. Use English texts to improve technical English reading comprehension. | | | | | | | ge in specialized technical to utilize it for the design dge about technology, A-2 ted to "electricity / f typical circuits for power technology applied to | | |
| Style | appropriate t Grade evalua | conducted in t to deepen und | dersta : | inding. | · | 5 | | · | rt and exercise as nments (60%). |

| | | | This is including | ns on the enrollm a class that requir both class time a side of class hour | es study outside nd study outside | of class hours. A class time. Follo | A total of 45 hours ow the instructions | s of study is requ s of the instructor | ired per credit, regarding | | | |
|---|---------------|--------------|--|---|--------------------------------------|-------------------------------------|---|---|-------------------------------|--|--|--|
| | | | basics of | eparatory study to semiconductor po t is important to u | wer conversion h | have already bee | ecture will be give en taken. In semic ctors and capacito | onductor power | conversion | | | |
| Notice | | | Electrical | oundational subjects : ectrical and Electronic Basics II (2nd Year), Electronic Engineering (3rd), Electrical Circuit I, II (3rd, 4th), ectrical Equipment I, II (2nd, 3rd) | | | | | | | | |
| | | | Related s Electric | ibjects : I and electronic equipment (1st in advanced course) | | | | | | | | |
| Attendance advice : Rather than the passive attitude of listening to the lecture, the lesson is regarded as a place to announce t results of the preparation and exchange opinions with teachers and other students, or as a place to ask questions and comments to the presenter from a critical point of view. If it is within 25 minutes of the start class, it will be late, and 3 times late will result in 1 absence. | | | | | | | | ice to ask | | | | |
| Charact | eristic | | | Division in Lea | | | | | | | | |
| ☑ Active | | | | □ Aided by ICT | | ☑ Applicable t | o Remote Class | Instructor Pr Experienced | ofessionally | | | |
| Elect | ive | s u | bjec | ts | | | | | | | | |
| Course | Plan | | | | | | | | | | | |
| | | | ٦ | Theme | | | Goals | | | | | |
| | | 1: | | Guidance | | | Understand the f | ollowing contents | respectively | | | |
| | | | 1 | ower electronics | | | Explain what power electronics are. | | | | | |
| | | | | eatures and fields | s of application | | Explain the applic | | | | | |
| | | 41 | | Basic components | | | Explain the basic | circuit configurat | ion. | | | |
| | 1st Quarte | | | Concept of operati lisadvantages | on and advantag | les and | Explain the conce | | | | | |
| | Quarte | | th A | About various pow | ver devices | | Explain the types elements. | of power semico | nductor | | | |
| | | 71 | th [| Diode, thyristor | | | Explain the opera thyristors. | ting characteristi | cs of diodes and | | | |
| 1 of | | 81 | th F | Power transistor | | | Explain the opera transistors. | ting characteristi | cs of power | | | |
| 1st Semeste r | | 91 | th F | Power MOSFET | | | Explain the operating characteristics of power MOSFETs. | | | | | |
| | | 1 | 0th C | GTO, IGBT, etc. | | | Explain the operating characteristics of GTO and IGBT. | | | | | |
| | | 1 | 1th ۱ | What is a power co | onversion circuit? | ? | Explain the operating principle and application of power conversion circuits. | | | | | |
| | 2nd | | 2th (| Converters and va | rious formulas | | Explain the outline and method of the converter. | | | | | |
| | Quarte | r 13 | 3th S | Step-down conver | ter | | Explain the configuration and principle of the step-down converter. | | | | | |
| | | 14 | 4th E | Boost converter | | | Explain the configuration and principle of the step-up converter. | | | | | |
| | | 1 | 5th (| Final test) | | | | | | | | |
| | | 1 | 6th I | nverter and vario | us methods | | Explain the configuration and principle of the inverter. | | | | | |
| Evaluati | ion Me | tho | d and W | 'eight (%) | | | | | | | | |
| Examination | | Presentation | Mutual Evaluations between students | Behavior | Portfolio | Other | Total | | | | | |
| Subtotal | (|) | | 40 | 0 | 0 | 60 | 0 | 100 | | | |
| Basic Proficienc | y (| C | | 20 | 0 | 0 | 30 | 0 | 50 | | | |
| Specialize Proficienc | ed (| D | | 20 | 0 | 0 | 30 | 0 | 50 | | | |
| Cross Area Proficiency 0 | | | | 0 | 0 | 0 | 0 | 0 | 0 | | | |

| Tsuyama Co | ollege | Year | 202 | 21 | | | Course Title | Practio Syster | ce in Information m I | |
|---|--|---|---|--|--|--|--|--|--|--|
| Course Information | on | | | | | | | | | |
| Course Code | 0032 | | | | Course Cate | gory | Specializ | zed / Elec | tive | |
| Class Format | Seminar | | | | Credits | | School C | Credit: 1 | | |
| Department | | ectronics and neering Cours | | mation | Student Grad | _ | | | | |
| Term | First Semest | er | | | Classes per \ | per Week 2 | | | | |
| Textbook and/or Teaching Materials | | original textbo | | ooks related | to Linux syste | em an | d programm | ning. | | |
| Instructor | 1 | ,KAWAI Masa | hiro | | | | | | | |
| Course Objectives Learning purposes: Learn the fundamental knowledge related to computer systems and the methodologies of software development. Further, gain imagination from studying, planning, implementing, and considering through problem resolution. Course objectives: 1. To be able to explain fundamental mechanisms and configurations of computer systems. 2. To be able to explain the fundamental programming techniques and software developments. 3. To be able to address the applied problem by using programming techniques. | | | | | | | | | | |
| Rubric | | | | | | | | | | |
| | Excellen | t | | Good | | Acce | ptable | | Not acceptable | |
| Achievement 1 | the fund mechan configur compute | dent can expla lamental isms and ations of er systems g advantages htages ely. | and | Good The student can explain the fundamental mechanisms and configurations of computer systems concretely. | | the f mech confi | student can undamental nanisms and gurations of puter system | · | The student cannot explain the fundamental mechanisms and configurations of computer systems. | |
| Achievement 2 | the fund program and soft | ments includir ges and ntages | iues ng | the fundamental programming techniques and software | | the f prog and s | The student can explain the fundamental programming techniques and software developments. | | The student cannot explain the fundamental programming techniques and software developments. | |
| Achievement 3 | the proc | dent can apply gramming les in problem n level. | | The student can apply the programming techniques in problems. | | The student can apply the programming techniques in problems by reference to example problems. | | blems | The student cannot apply the programming techniques in problems by reference to example problems. | |
| Assigned Departr | nent Obiec | tives | | | | | | | | |
| Teaching Method | | | | | | | | | | |
| Outline | Field of learr Foundational Relationship of the follow systems." Relationship Course outlir Learn the for | ing specialized with JABEE p ne: | tion ai sciplin onal O d tech orogran | nd control es: Informat bjectives: Th inical fields fo ms: the mair nming technio | his class is equor designing, n goal of learr ques and soft | uivale manu ning /e ware | nt to "(2) Th facturing, ar education in development | e studen nd operat this class ts throug | t has acquired knowledge ion of machinery and s is "(A)," "(C)," and "(D)." h study for mechanisms | |
| Style | Linux system practice, and | echanisms, co n, a scripting l l each theme ation method: %) | langua is for | age, and C p | rogramming l | angua | age. There a | re a toťal | tems through using a of six themes for the ach theme. | |
| Precautions on the enrollment: This class is "Required outside of forty-five hours of teaching and on the instructions of the teached Attendance advice: Make sure to prepare for comput Foundational subjects: Basic Pro Algorithms and Data Structures Lecture on Information Systems year in Advanced Engineering Co Related subjects: Practice in Information Systems Should prepare same software d student is late on time from taking class. If a student is more than here. | | | | l homework p er. ogramming (s (3rd year in s (1st year ir Course). formation Sy development | and software 2nd year in C Communicat Advanced Er stem II (2nd | The si by u comm ion ar nginee year i cs in a | tudent shoul sing an origi unication an d Informatio ering Course n Advanced nother comp | d deal wi nal textbo on Syster), and Ini Engineer outer othe | th the homework based ook. ation System Program), n Program), Special formation Science (2nd ing Course) er than practice room. If a | |

| Charact | eristics | of Class / | / Division in Lea | arning | | | | | | |
|--------------------------|----------------|--------------|--|-------------------|-------------|--|---|-----------------|--|--|
| Active | Learning | | ☑ Aided by IC | Г | | e to Remote Class | □ Instructor Experienced | Professionally | | |
| Course | Plan | | | | | | | | | |
| | | | Theme | | | Goals | | | | |
| | | 1st | Guidance | | | Understand the course plan. | | | | |
| | | 2nd | Practice * Mechanisms of I network | Linux and configu | urations of | Address the assignment about mechanism of Linux and configurations of network. | | | | |
| | | 3rd | Practice * Mechanisms of I network | Linux and configu | urations of | Address the same issue with previous week and submit the report. | | | | |
| | 1st Quarter | 4th | Practice * Software develo | pment environm | ient | Address the assignment environment | gnment about s vironment. | software | | |
| | Quarter | 5th | Practice * Software develo | pment environm | ent | Address the sam submit the repor | t. | | | |
| | | 6th | Practice * Programming (1 |) | | (1). | - | he programming | | |
| | 7th | | Practice * Programming (1 | 1) | | Address the same issue with previous week and submit the report. | | | | |
| 1st Semeste r | | 8th | Optional day * Coaching report | S | | Complete the inc | omplete report | and submit it. | | |
| | | 9th | Practice * Programming (2 | 2) | | (2). | | he programming | | |
| | | 10th | Practice * Programming (2 | 2) | | Address the sam submit the repor | e issue with pro t. | evious week and | | |
| | | 11th | Practice * Programming (3 | 3) | | Address the assignment (3). | gnment about t | he programming | | |
| | 2nd Quarter | 12th | Practice * Programming (3 | 3) | | Address the same issue with previous week and submit the report. | | | | |
| | Quarter | 13th | Practice * Programming (4 | 1) | | Address the assignment about the programming (4). | | | | |
| | | 14th | Practice * Programming (4 | 1) | | Address the same issue with previous week and submit the report. | | | | |
| | | 15th | Optional day * Coaching report | S | | Complete the inc | Complete the incomplete report and submit it. | | | |
| | | 16th | Final submission of | leadline of each | report | Complete all reports submission. | | | | |
| Evaluati | on Meth | nod and N | <u> Weight (%)</u> | | 1 | | 1 | | | |
| Examination | | Presentation | Mutual Evaluations between students | Behavior | Portfolio | Other | Total | | | |
| Subtotal | 0 | | 0 | 0 | 0 | 100 | 0 | 100 | | |
| Basic Proficienc | y 0 | | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Specialize Proficienc | | | 0 | 0 | 0 | 100 | 0 | 100 | | |
| Cross Are Proficienc | | | 0 | 0 | 0 | 0 | 0 | 0 | | |

| Tsuyama Co | ollege | Year | 2021 | | | Course Title | Practio Syster | ce in Information n II | |
|---|---|---|--|--|--|---|----------------------------|--|--|
| Course Informat | ion | | | | | | | | |
| Course Code | 0033 | | | Course Cate | gory | Specializ | ed / Elec | tive | |
| Class Format | Seminar | | | Credits | | School C | Credit: 1 | | |
| Department | System Engi | ectronics and neering Cours | | Student Grad | | Adv. 2nd | ł | | |
| Term | Second Sem | | | Classes per | | | | | |
| Textbook and/or Teaching Materials | development | ts. | ok. References: I | books related t | o prog | ramming te | chniques | and software | |
| Instructor | | ,KAWAI Masa | hiro | | | | | | |
| Course Objective | S | | | | | | | | |
| Learning purposes: Learn the fundament implementing, and c achievements and m | onsidering thro | ough problem | nstruction of info resolution. Furth | ormation system ner, enhance c | ms. Gai ommur | in imaginati nication skill | on from s related | studying, planning, to summarizing | |
| Course objectives: 1. To be able to expl 2. To be able to stud 3. To be able to mak | y, plan, implei | ment, conside | r, and make a pr | resentation for | proble | m resolutio n. | n. | | |
| Rubric | | | | | | | | | |
| | Excellen | t | Good | | Accep | table | | Not acceptable | |
| | The stud | dent can expla | ain | t can explain | The st | tudent can e | | The student cannot | |
| Achievement 1 | software | lamental e development nensibly | the fundam | | funda | utline of the mental soft opments. | | explain the outline of the fundamental software developments. | |
| Achievement 2 | plan, im consider presenta | dent can study plement, r, and make a ation for a I resolution at | plan, implei consider, ar | nd make a n for a | plan, consic prese | The student can study, plan, implement, consider, and make a presentation for a problem resolution at the | | The student cannot study, plan, implement, consider, and make a presentation for a problem resolution at the fundamental level. | |
| Achievement 3 | dent can make ation for own ed software nensibly. | presentatio | The student can make a presentation for own part | | The student can make a presentation for the basic part of own developed software. | | The student cannot make | | |
| Assigned Depart | ment Obiec | tives | | | | | | | |
| Teaching Method | | | | | | | | | |
| | General or S | pecialized: Sp ning: Informat | ecialized ion and control | | | | | | |
| | Foundationa | l academic dis | ciplines: Informa | atics, compute | r syster | ms, and net | works | | |
| Outline | Relationship of the follow systems." | with Educatio ing specialized | nal Objectives: 1 d technical fields | This class is eq for designing, | uivalen manufa | t to "(2) Th acturing, an | e studen Id operat | t has acquired knowledge ion of machinery and s is "(A)," "(C)," "(D)," and | |
| | Course outlin Learn the fou | undational ski | lls for software d half year. Finally | evelopments t | hrough | the develo | pment pr developr | ocess. Further, complete | |
| Style | Course meth First, decide methodologi the first pres | nod: the developm es such as sec sentation abou | ent problem for | each student a g documents f feedback, and | and cor | nplete the s | oftware | development according to design. Second, make eedback. Finally, make | |
| | | ation method: 6) + Work(10 | %) + Presentatio | on(20%) | | | | | |
| | This class is forty-five hou on the instru | urs of teachin | side of teaching g and homework teacher. Make su | per one unit. | The stu | udent shoul | d deal wi | se consists of a total of th the homework based the programming | |
| Attendance advice: Make sure to prepare the environment for software development on one's computer. | | | | | | | | | |
| Notice | Algorithms a Lecture on Ii year in Adva | nd Data Struc nformation Sy nced Engineer | tures (3rd year i stems (1st year | in Communicat in Advanced E | tion and ngineer | d Informatio | on Syster), and Inf | ation System Program), n Program), Special Formation Science (2nd ng Course) | |
| Course Advice: Should create a program with the minimum specification for each target function, check the difference between the implementation and its specification, and modify it step-by-step. If a student is late on time fr taking attendance to half of one period, the student is treated as late for the class. If a student is more tha half of one period late in the class, the student will be treated as one absent. | | | | | | | udent is late on time from | | |
| Characteristics o | | | | | | | | | |

| Active Learning | ☑ Aided by ICT | □ Applicable to Remote Class | Instructor Professionally Experienced |
|-----------------|----------------|------------------------------|--|
|-----------------|----------------|------------------------------|--|

| Course | Dlan | | | | | | | | | |
|--------------------------|----------------|------------|--|---|------------------|---|---|------------------------|--|--|
| Course | Plan | | Theme | | | Goals | | | | |
| | | 1st | Guidance | | | Understand the | e course plan | | | |
| | | 2nd | Practice * Software develo | opment according | to an example | | e development | flow through the | | |
| | | 3rd | Practice * Software develo | | | Understand the development flow through the software practice. | | | | |
| | | 4th | Practice * Choice of the de creation of the im | evelopment probl plementation doe | em and cument | | | | | |
| | 3rd Quarter | 5th | Practice * Presentation an development prot | | ut the selected | Modify the implementation document with feedback and submit it. | | | | |
| | | 6th | software requiren | specification and nents specificatio ation of the proto | n | Design the prototype and create it through analyzing the specification and the creation of software requirements specification. | | | | |
| | | 7th | Practice * Design and crea | ation of the proto | type | Design the pro | totype and cre | eate it. | | |
| 2nd Semeste r | | 8th | | ation of the proto the presentation | type | Design the prototype and create it. Prepare a presentation for the developed software. | | | | |
| | | 9th | Mid-Debriefing | | | Make a present one's software. | | ne interim progress of | | |
| | | 10th | Practice * Addition and mo | odification of the | program | Add functions t | to the program | n and modify it. | | |
| | | 11th | Practice * Addition and mo | odification of the | program | Add functions t | to the program | n and modify it. | | |
| | 4th Ouarter | 12th | Practice * Finish of the pro presentation | ogram and prepa | ration for the | | Finish one's program and prepare for the presentation about it. | | | |
| | | 13th | Debriefing | | | Make a presentation about the developed software. | | | | |
| | | 14th | Report writing * Creation of final | l report | | Create the final report. | | | | |
| | | 15th | Optional day * Creation of the | final report | | Create the fina | l report. | | | |
| | | 16th | Report submission | n | | Submit the fina | al report. | | | |
| Evaluat | ion Mel | hod and | Weight (%) | -1 | - | | | | | |
| | E | xamination | Presentation | Mutual Evaluations between students | Behavior | Portfolio | Other | Total | | |
| Subtotal | Subtotal 0 | | 20 | 0 | 0 | 80 | 0 | 100 | | |
| Basic Proficienc | y O | | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Specialize Proficienc | | | 20 | 0 | 0 | 80 | 0 | 100 | | |
| Cross Area 0 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | | |

| Tsuyama Co | llege | Year | 2021 | | | Course Title | Nume | rical Analysis | | |
|--|---|---|---|--|--|--|----------------------------------|---|--|--|
| Course Information | on | | | | | | | | | |
| Course Code | 0034 | | | Course Cate | gory | Specializ | , | | | |
| Class Format | Lecture | | 6 | Credits | | Academi | c Credit: | 2 | | |
| Department | System Engi | ectronics and I neering Course | | Student Grad | | | | | | |
| Term | Second Sem | | | | Classes per Week 2 | | | | | |
| Textbook and/or Teaching Materials | Ed.(Japanese Analysis" (S | e)"(Morikita Pu | Soichi et al.,"Intr b.), Reference bo | oduction to N ooks : YAMAM | umeric 10T0 T | al Calculatio etsuro, "Int | roductio | nd n to Numerical | | |
| Instructor | KIKUCHI Yos | suke | | | | | | | | |
| Course Objectives | 5 | | | | | | | | | |
| Learning purposes : It is necessary to understand the computer-specific errors, in order to execute calculations for a large scale engineering phenomena by a computer. it is also necessary to understand calculation that is suitable for computers and methods to obatin approximate solutions for problems for which there is no general solution method. The purpose of this lecture is to understand these points. | | | | | | | | | | |
| Course Objectives : 1. To understand the 2. To be able to expla | Course Objectives : 1. To understand the various errors that occur on a computer. 2. To be able to explain the principles and characteristics of well-known numerical methods. | | | | | | | | | |
| Rubric | | | | | _ | | | | | |
| | Excellen | t | Good | | Accep | | | Not acceptable | | |
| Achievement 1 | explain a | dents list and at least four al error. | | also or to their s, for given heir | four n studer error t explar errors | udents list a umerical err nts can not o to their nations , for and their nations. | or. The connect | The students can not list more than four numerical errors. | | |
| Achievement 2 | program of bisect Newton | dents can make ns using the ide tion method ar 's method with g to the textbo | The students calculation u ideas of bise and Newton | s can make a sing the ction method 's method g to the | The students can calculate the examples in the textbook using the ideas of bisection method and Newton's method in Excel. | | g the method | The students can not calculate the examples in the textbook in Excel. | | |
| Achievement 3 | The students can make programs using the ideas of LU decomposition, Gauss-Seidel method, trapezoidal rule and Euler method with referring to the textbook. | | eas of LU decom Gauss-Seide trapezoidal r Iler method with | ing the ideas position, I method, rule and Euler referring to for | decomposition, Gauss- | | rams LU auss- r Euler | The students can not make more than 2 programs using the ideas of LU decomposition, Gauss-Seidel method, trapezoidal rule or Euler method with referring to the textbook for examples of the textbook. | | |
| Assigned Departn | nent Obiec | tives | • | | | | | | | |
| Teaching Method | | | | | | | | | | |
| | Quantum Co Oriented Res understandir given in lect General or S | imputation and search for Scien ng the basic ide ture format. pecialized : Sp | Information Pronce and Technological of information ecialized | ject and Quan ogy. The purpo theory as the | ntum Co ose of t basis o | omputation this course i of information | and Info s to use on engin | other institute (IMAI ormation Project Solution teacher's experience in eering. This course is | | |
| Outline | Relationship to electrical/ | with Education | nal Objectives :The neering, and info | nis class is equ | uivalen | t to "(2) Spe | ign perfo ecialized | ormance computing technical fields pertaining | | |
| | | | education in this | s class are "A | A-2" al | lso "A-1" is | involved | | | |
| | Course outline : Simulation is one of the essential part of technology development in any engineering field. In simulation, computer solve a mathematical model that describes an enginnering phenomena. This course provides understanding the calculations and their important points in computing on a computer. | | | | | | | enomena. This course | | |
| | Course meth The class ex the class ma | nod : planes the topi v be seminar f | cs of numerical a ormat. Exercises | analysis using will be given | materi as mu | als. Depend | ing on the. Some | ne number of students, e explanations that are not nted for each topics. | | |
| Style Grade evaluation method : Exams (100%). Examinations will be conducted a total of 2 retaking exams can not performed. Bringing depending on the situation. Examinations examinations cover achievements in rubric. | | | | a textbook and | d noteb | ook at exar | nination | is not permitted but | | |

| Precautions on the enrollment : This is a class that requires study outside of class hours. A total of 45 hours of study is required per credit, including both class time and study outside class time. Follow the instructions of the instructor regarding study outside of class hours. Course advice : This clas is suitable for students who would like to know development of computer simulation | | | | | | | | | | | |
|--|---------------|----------|-------------------------------------|--|--|--|--|---|---|--|--|
| | | | systems | dvice : This clas is and to acquire the ge of mathematics rd(LMS). The stud | basic knowledge they have learne | e of the develop ed. Information | ment. The student concerned with cla | s are expected to | o have | | |
| Notice | | | Foundatio Algebra(2 Programi | onal subjects : Fou 2), Differential and ming Language(3) | Indamental Math I Integral II(3), A , Experiments of | ematics I(1), Di pplied Mathema Electronic and (| ifferential and Inte atics II(4), Prograr Computer Systems | gral I(2), Fundar nming I(1), Prog s(EC1) | mental Linear gramming II(2), | | |
| | | | on knowl on. Stude part of th | ce advice : If you edge of mathemat ents should be able e study outside of nding of lecture. | tics the studets h to refer to their | ave learned, like | e Differential and I s as approptiate. T | Integral, Linear A The preparatory y | lgebra and so work is the main | | |
| Charact | eristic | s of | | Division in Lea | rnina | | | | | | |
| ☑ Active | | | | ☑ Aided by ICT | 2 | Applicable t | o Remote Class | ☑ Instructor Pr Experienced | ofessionally | | |
| Elective subjects | | | | | | | | | | | |
| Course | Course Plan | | | | | | | | | | |
| | | | | Theme | | | Goals | | | | |
| | | | lst (| Guidance | | | The student can i | and at least two | a types of orror | | |
| | | 2 | 2nd I | Errors | | | The students and numerical represe computer. The students und numerical calcula | erstand the relat entation and erro erstand the effec | ion between irs on a cts of errors of | | |
| | | 3 | Brd I | Equation(Bisection | method, Newtor | n's method) | The students can explain bisection method. The students can explain some numerical algorithms for computers. | | | | |
| | 3rd | 4 | lth I | Equation(Principle | of contraction m | apping) | The students can | explain contract | ion mapping. | | |
| | Quarte | | 5th I | Equation system(S | weeping-out me | thod) | The students can out method refer explain some nur | rina textbook.The | e students can | | |
| | | e | 5th I | Equation system(L method) | U decomposition | , Gauss-Seidel | The students can decomposition re can explain some computers. | ferring textbook. | The students | | |
| 2nd | | 7 | 7th | Interpolation | | | The students can referring textbool numerical algorith | .The students ca | an explain some | | |
| Semeste r | | 8 | 3th I | Mid-term exam | | | | | | | |
| | | 9 |)th I | Return and comme | entary of exam a | nswers | | | | | |
| | | 1 | l0th I | Numerical integrat | ion 1(Trapezoida | l rule) | The students can make a program of trapezoidal rule referring textbook. The students can explain some numerical algorithms for computers. | | | | |
| | | 1 | l1th I | Numerical integrat | ion 2(Simpson's | rule) | The students can make a program of Simpson's rule referring textbook. The students can explain some numerical algorithms for computers. | | | | |
| | 4th Quarte | | | Numerical integrat Composite numerio | | tes rules, | The students can explain Newton-Cotes rules and Composite numerical integration. The students can also explain some numerical algorithms for computers. | | | | |
| | | 1 | | Ordinary differentia Heun's method) | al equation(Euler | method, | The students can The students can algorithms for co | also explain som | | | |
| | | 1 | | Ordinary differentia method) | al equation(Rung | e-Kutta | The students can method referring explain some nur | textbook.The stu | udents can | | |
| | | 1 | 5th | (Final exam) | | | | | | | |
| | | 1 | 6th I | Return and comme | entary of exam a | nswers | | | | | |
| Evaluat | ion Me | etho | d and W | /eight (%) | | | | | | | |
| Examination | | nination | Presentation | Mutual Evaluations between students | Behavior | Portfolio | Other | Total | | | |
| Subtotal | | 100 | | 0 | 0 | 0 | 0 | 0 | 100 | | |
| Basic Proficienc | .у | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Specialize Proficienc | | 100 | | 0 | 0 | 0 | 0 | 0 | 100 | | |
| Cross Are Proficienc | | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | | |

| Tsuyama Co | na College Year 2021 | | | Course Title | Image | e Processing | | |
|---|--|---|---|---|--|---|---|---|
| Course Information | on | | | | | | | |
| Course Code | 0035 | | | Course Cate | gory | Specializ | ed / Elec | tive |
| Class Format | Lecture | | | Credits | | Academi | c Credit: | 2 |
| Department | | ectronics and neering Cours | | Student Grad | | Adv. 2nd | | |
| Term | First Semest | er | | Classes per V | Week | 2 | | |
| Textbook and/or Teaching Materials | Textbooks : | Nothing, Refe | rence : Resource | s on the Interi | net, su | ch as related | d books | |
| Instructor | YABUKI Nob | oru | | | | | | |
| Course Objective | S | | | | | | | |
| Learning purposes : To understand the concept of image processing and image processing methods for practical use of image processing technology. I addition, to understand how to configure an image processing system and to learn how to configure the system. | | | | | | | | |
| Course Objectives : To understand the fie 1. To be able to unde 2. To understand how 3. To deepen the und | v to confiaure | image proces | sina systems. | | | | s. | |
| Rubric | | | | | | | | |
| | Excellen | t | Good | | Accep | table | | Not acceptable |
| Achievement 1 | detail th image p | ble to explain le methods of rocessing, g applications. | basic metho | o explain the ds of image n detail. | basic proce | able to expl methods of ssing entation). | lain the image | Cannot explain the methods of image processing. |
| Achievement 2 | an imag | ble to construc e processing in detail and it fully. | t To be able t an image pr system in de | ocessing | basic image | able to expl configuratio processing nination). | n of an | Cannot explain the configuration of an image processing system. |
| Achievement 3 | model fo in resea | to serve as a or other stude rch presentati gnment repor | nts sufficient res | search | prese | Be able to make a Cannot make a | | presentation or write a |
| Assigned Departr | nent Objec | tives | | | | | | · |
| Teaching Method | | | | | | | | |
| Outline | Field of learn Foundationa Engineering Relationship This class is mechanical a electrical/ele Relationship The main go Course outlin With the dev industry. In for using ima explained ho | with Educatio equivalent to and system de ctronic engine with JABEE pr al of learning ne : relopment of c this course, st age processing w to construct | tion / Control ciplines : Engined nal Objectives : '(2) Knowledge i sign, manufactur ering, and inforn ograms : / education in thi omputers, image udents will learn | n the following e, and operatination/control s class are "(A processing te the concept o check the act | g specia ions. S systen A) A- echnolo f image tual pro | alized techni pecialized te ns." 2", incider ogy has come processing ocessing res | cal fields chnical f ntally als e to be u and ima ults. In a | ng / Instrumentation s can be applied to fields pertaining to to involved in "A-3". used in all fields of age processing methods addition, students will be |
| | research on of their inves students are understandir | formation of ir various image stigations and required to le ng. | processing methes examples of the arn the configura | ods. In other class contents | words, s, and t | , the student the missing i | ts are as tems are | ents will present their ked to report the results e explained. In addition, extra time to deepen their |
| Grade evaluation method : Examination(60%)+Research presentation (20%)+ assignment report, etc. (20%) • Examination allow notebooks to be brought in. • For those who have less than 60 points in each regular test, supplementary lessons will be given, and understanding can be confirmed by the retest, the points may be changed. However, the evaluation after change shall not exceed 60 points. | | | | | | ons will be given, and if the r, the evaluation after the | | |
| | Sampling the Histogram, S Binary Imag Coding, etc. Lessons Lean * Research c * Configurat Content of th Objectives | Spatial Filtering e Processing, rned in Extra T on the class co ion of image p ne report | transform, histo Smoothing, Ed Line Detection, C Time ntents and preparrocessing system | ge Extraction, olor Image, Pa are presentatio | Fourie attern | er Transform Recognition, erials | , Freque Video II | ency Filtering, Binarization, mage Processing, Image |
| | Flow of the Summary | e image proce | ssing system ystem configurat | ion will be giv | en dur | ing the lectu | ıre.) | |

| Notice | | For of c clas clas Cou As a Fou Sigr Rela Atte Exa ima abo Che abs | Precautions on the enrollment : For network program choosers, students must take this class (no more than one-third of the required number of class hours missed) in order to complete the 5th year course. This is a class that requires study outside of class hours. A total of 45 hours of study is required per credit, including both class time and study outside class time. Follow the instructions of the instructor regarding study outside of class hours. Course advice : As a preparatory study, students should research the applications of using images. Foundational subjects : Differential and Integral I , II (2nd,3th), Applied Mathematics I , II (E4th,C4th), Digital Signal Processing(C5th) Related subjects : Digital Signal Processing(EC-2nd), etc. Attendance advice : There is a certification examination related to image processing (Image Processing Engineer Certification Examination), and it would be a good idea to challenge this examination. Students who have not taken imaging courses in this course should actively seek advice from their instructors if they have any questions about research methods or content. Check for late arrivals in quarters of class time. Late arrivals of 25 minutes or more are treated as one absence. Students are required to submit a report on their overtime study after all lectures. of Class / Division in Learning | | | | | | | | | |
|--|------------|--|---|-------------------------------|---|--|--|--------------------------|--|--|--|--|
| Charact | eristics o | of Cla | ss / Division | in Learning | | | | | | | | |
| Active | Learning | | 🗆 Aide | d by ICT | Applicable | e to Remote Class | Experience | tor Professionally ed | | | | |
| | ive S | Subj | ects | | | | | | | | | |
| Course | Plan | | 1. | | | | | | | | | |
| | | | Theme | | | Goals | | | | | | |
| | | 1st | processing | | history of image | Understand the o | overview of | image processing | | | | |
| | 2 | 2nd | Basics of d image proc application | cessing, Examp | Application fields of ples of image processing | Be able to explain | n the basics | of image processing | | | | |
| | | 3rd | Basics of ir | nage processin | ng systems | To understand th systems | e basics of | image processing | | | | |
| 1st Quai | | 4th | To be able devices (di | to explain the gital cameras, | structure of input/outputetc.) | ut To be able to exp devices | plain the stru | ucture of input/output | | | | |
| | Quarter | 5th | Presentatio | on of assignme | nt | Presentation of a answers | ssignment | Questions and | | | | |
| | | 6th | Presentatio | on of assignme | nt | Presentation of a answers | ssignment | Questions and | | | | |
| | | 7th | Presentatio | on of assignme | nt | Presentation of assignment Questions and answers | | | | | | |
| 1st Semeste | | 8th | Presentatio | on of assignme | nt | Presentation of a answers | Presentation of assignment Questions and answers | | | | | |
| r | | 9th | Presentatio | on of assignme | nt | Presentation of a answers | Presentation of assignment Questions and | | | | | |
| | | 10th | Presentatio | on of assignme | nt | Presentation of a answers | ssignment | Questions and | | | | |
| | | 11th | Presentatio | on of assignme | nt | Presentation of a answers | ssignment | Questions and | | | | |
| | 2nd | 12th | Presentatio | on of assignme | nt | answers | Presentation of assignment Questions and answers | | | | | |
| | Quarter | 13th | Configurat | ion of image pr | rocessing system | system configura | ation | f image processing | | | | |
| | | 14th | Creation of system | f algorithms for | r image processing | Completion of creating image processing | eation of alg system | gorithms for the | | | | |
| | | 15th | Summary the previou | of image proce us semester | essing and final exam of | Confirmation of far and the final | summary of exam | f image processing so | | | | |
| | | 16th | (Final exar | n of the first se | emester) | (Later, return an final exam) | d check the | answer sheets of the | | | | |
| Evaluati | ion Meth | od ar | nd Weight (% | 6) | | | | | | | | |
| Examination Presentation | | | | | | Assignment | Tota | | | | | |
| Subtotal | | | | | 20 | 100 | | | | | | |
| Basic Proficiency 0 0 Specialized Proficiency 60 20 | | | | | 0 20 | 0 | N | | | | | |
| | | | | | | 0 | 100 | , | | | | |

| Tsuyama Co | ollege | Year | 2021 | | | 0 | Course Title | Digital | Signal Processing |
|--|---|--|--|---|---|---------------------------------------|---|-------------------------------------|--|
| Course Information | on | 1 | | | | | | | |
| Course Code | 0036 | | | | Course Cate | jory | Specialize | ed / Elec | tive |
| Class Format | Lecture | | | | Credits | | Academi | c Credit: | 2 |
| Department | | lectronics and ineering Cours | | ition | Student Grad | le | Adv. 2nd | | |
| Term | Second Sem | nester | | | Classes per Week 2 | | | | |
| Textbook and/or Teaching Materials | Lecture slide (高専学生の) | e PDF / Referei とめのディジタル | nce bool レ信号処3 | k:Koichi st 理)"(Coro | SAKAI, "Digit nasha) | al Signal | Processing | g for Tec | hnical College Students |
| Instructor | KAWANAMI | | | | | | | | |
| Course Objective | S | | | | | | | | |
| Learning Purposes : Digital signal processing (DSP) is widely used for communication, information processing, control, medical electronics and so on. In this lecture, learn a basic theory of DSP and how to program the basic idea. Course objectives : Ounderstand essential terms on signal processing which a information technology expert should know. Learn Fourier series, Discrete Fourier transform and z-transform and analysis of fundamental periodical function. Learn relationship between parameters of 2nd order system and its transfer function. | | | | | | | | | |
| Rubric | | | | | | | | | |
| | Exceller | nt | Go | od | | Accepta | ble | | Not acceptable |
| Achievement 1 | The stu concret apply fu using F | dent can ely explain and unction analysis ourier series ar Transform. | The s usi | e student o plain funct | ion analysis series and | The stu functior | dent can e 1 analysis u series and | using | The student can not explain function analysis using Fourier series and Fourier Transform. |
| Achievement 2 | concret apply fu | dent can ely explain anc Inction analysis -transform. | exp | e student o plain funct ing z-trans | ion analysis | | dent can e n analysis u rm. | | The student can not explain function analysis using z-transform. |
| Achievement 3 | concret | dent can ely explain anc nd order trans า. | for cor | e student o ncretely ex der transfe | plain 2nd | | dent can e ler transfei 1. | | The student can not explain 2nd order transfer function. |
| Assigned Departr | nent Obje | ctives | | | | | | | |
| Teaching Method | | | | | | | | | |
| Outline | Field of lear Foundationa Relationship This class is electronics a operation of Relationship The main go Course outli | with Educatio equivalent to and information machines and with JABEE provide the provided of th | tion the ciplines nal Obje "(2) Acc n / contr system rograms / educal | ory, Contro : Engineer quire know rol, and ac ns". s : tion in this | ring/Electric a rledge in spec quire the abi class are "A' | ializedte lity to ut ', "A-2" a | chnical fiel ilize it for t and also "[| ds relate he desig D-2" is in | System Engineering ed to electricity / n, manufacture, and wolved. et the algorithm on a DSP |
| Style | | | | tion slides. | . Exercises ar | e also gi | ven to con | firm stud | dents' understanding. |
| | | n : 75 % (final | | ation) | | | | | |
| | Precautions This is a cla including bo | on the enrollm ss that require | s study nd stud | outside of y outside of | class hours. class time. Fo | A total o llow the | f 45 hours instructior | of study ns of the | is required per credit, instructor regarding |
| | Course advi Preparatory | | e refere | ence book | and a manua | l of "octa | ave" or "m | atlab" is | recommended. |
| Notice | Foundationa Differential Circuits Syst | al subjects : and Integral I tem (4C), Cont | (2 year) rol Engi |), Differen ineering (4 | tial and Integ IC), Commun | ral II (3 ication E |), Applied I | Mathema J (4E), e | atics II (4E, 4C), Electrical etc. |
| | Related sub Advanced C | jects : ontrol Enginee | ring (EC | 22) | | | | | |
| | Attendance This class u | advice : ses fundament | al know | ledge of m | athematical | analysis. | | | |
| Characteristics of | Class / Di | vision in Lea | arning | | | | | _ | |
| Active Learning | [| ☑ Aided by IC ⁻ | Г | | | e to Rem | note Class | Ins Experi | structor Professionally enced |
| Elective su | ubjects | | | | | | | | |
| Course Plan | | | | | | <u> </u> | | | |
| | The | eme | | | | Goals | | | |

| | | 1st | Guidar proces | | iction to digital si | gnal | | | |
|-------------------------|------------------|-------------|--------------------|---|--|-----------------|----------|-------|-------|
| | | 2nd | Fourie | r series (1) | | | | | |
| | | 3rd | Fourie | r series (2) | | | | | |
| | 3rd | 4th | Exercis | se on Fourier | r series | | | | |
| | Quarter | 5th | Fourie | r transform (| (1) | | | | |
| | nd | 6th | Fourie | r transform (| (2) | | | | |
| 2nd | | 7th | Exercis transfo | | r transform and i | nverse Fourier | | | |
| Semeste | | 8th | Sampli | ing theorem | | | | | |
| ſ | | 9th | Discret | te Fourier tra | ansform (1) | | | | |
| | | 10th | Discret | te Fourier tra | ansform (2) | | | | |
| | 4th | 11th | Exercis | se on Discret | e Fourier transfo | orm | | | |
| | | 12th | z-trans | sform (1) | | | | | |
| | Quarter | 13th | z-trans | sform (2) | | | | | |
| | | 14th | Linear | time Invaria | int System | | | | |
| | | 15th | Examination | | | | | | |
| | | 16th | Return | turning and commentary on the examination | | | | | |
| Evaluati | on Met | hod and \ | Neigh | t(%) | | | | | |
| | | Examination | | sentation | Mutual Evaluations between students | Self evaluation | Exercise | Other | Total |
| Subtotal | 7 | 5 | 0 | | 0 | 0 | 25 | 0 | 100 |
| Basic Proficienc | | | 0 | | 0 | 0 | 0 | 0 | 0 |
| | Specialized 75 0 | | | 0 | 0 | 25 | 0 | 100 | |
| Cross Are Proficienc | | | | 0 | 0 | 0 | 0 | | |

| Tsuyama Co | ollege | Year | 2021 | | | Course Title | Mathe | matical Engineering |
|--|--|---|---|---|----------------------------|---|-------------------------|---|
| Course Information | on | | | 1 | | | | |
| Course Code | 0037 | | | Course Cate | gory | Specializ | ed / Elec | tive |
| Class Format | Lecture | | | Credits | | Academi | c Credit: | 2 |
| Department | System Engi | ectronics and I neering Course | | Student Grad | | Adv. 2nd | | |
| Term | First Semest | | | Classes per \ | | 2 | | |
| Textbook and/or Teaching Materials | "Let's Solve | Topological Sp | 'Let's Start Topol ace" (Nihonhyorc | ogical Space" onsha) | (Nihoni | hyoronsha) | , Referer | nce Books : Haruto Ohta, |
| Instructor | YOKOTANI N | 1asaaki | | | | | | |
| Course Objective | | | | | | | | |
| Learning purposes : Learn topology and its way of thinking. Course Objectives : 1. Acquire the knowledge of mathematics, computational skills, and applied skills necessary to solve basic engineering problems. | | | | | | | | engineering problems. |
| Understand Euclide Understand Euclide Understand the de | ean space and | l its shapes. | | | | | | |
| Rubric | | | | | 1 | | | I |
| | Excellen | t | Good | | Accept | able | | Not acceptable |
| Achievement 1 | applied mathem to solve | atics necessar | skills necess | of s and have mputational ary to solve | knowle mathe to solv | acquired the edge of matics nece ve basic eering proble | essary | Insufficient knowledge of mathematics and calculation skills necessary to solve basic engineering problems. |
| Achievement 2 | isometri and join | ship between c transformati | ons Understand of topology. | the concept | | stands Eucli etry and sim etry. | | Lack of understanding of Euclidean geometry and topology. |
| Achievement 3 | crafting, | ands figure graphs, and ilar figures. | Understand of figures fro topological p | the concept om a point of view. | | idoan space | | Lack of understanding of the concept of Euclidean space and figures. |
| Achievement 4 | of points | and the seque s in a shape ar ergence. | nce Id Understand mapping. | the nature of | deform | stand that t nation of a f ented by a | figure is | There is a lack of understanding of the deformation of figures and the sequence of points. |
| Assigned Departr | nent Obiec | tives | • | | | | | II |
| Teaching Method | | | | | | | | |
| | General or S | pecialized : Sp | ecialized | | | | | |
| Outline | Field of learr Foundationa Relationship science subi | hing : Commor l academic disc with Education ects centered d | and basics of na ciplines : Mathem nal Objectives : T on mathematics a | natical science This class is eq and physics, a | , Iuivalen nd acau | it to "(1) To uire the abil | deepen | tics in general the knowledge of natural ply it as basic academic on system engineering". |
| | | | - | - | | | | ass are "(A), A-1". |
| | phenomenor to see and u invariance ev | n and cut it dov se useful thing | s in such cases. ure is continuous | u can underst Topology is a | anď. Th disciplir | ne significan ne that exar | ice of thi mines th | e essence of the s lecture is to learn how e property of maintaining v to see what is invariant, |
| Style | possible will | be provided so | vill be centered or that students cans on their own. | n board writin an understand | g, but a I the coi | at the same ntent of the | e time, as e lecture | much exercise time as more deeply and acquire |
| | grades, etc., | a re-examinat | tion may be cond | lucted (report | assignr | ment is imp | osed). |). Depending on the |
| | Precautions on the enrollment : This is a class that requires study outside of class hours. A total of 45 hours of study is required per credit, including both class time and study outside class time. Follow the instructions of the instructor regarding study outside of class hours. | | | | | | | |
| Notice | mathematics | aratory study t s II. calculus I. | calculus II, and sure to prepare a | basic linear al | aebra. v | which are tl | he basic | mathematics I, basic subjects. e contents more deeply by |
| | Foundational subjects : Basic Mathematics I (1st year), Basic Mathematics II (1), Calculus I (2), Calculus II (3), Basic Linear Algebra (2) | | | | | | | |
| | Related subjects : Subjects of each specialized department | | | | | | | |
| | yourself. I w | advice : It is in ant you to valı giving a warni | ue finding a solut | rstand the cor ion on your o | ntent of wn. If y | the lecture ou are late | well and a lot, yo | d solve the problem by u may be treated as |

| Characte | eristics | s of Class | / Division in Lea | arning | | | | | | |
|-------------------------------------|---|------------|---|--------------------------------------|-------------------------------|---|------------------------|-------------------|--|--|
| | Active Learning Aided by ICT Applicable to Remote Class Description: Instructor Professionally Experienced | | | | | | | | | |
| Elect | ive | subjec | ts | | | | Experienced | | | |
| Course I | Plan | | I | | | I | | | | |
| | | | Theme Cuidanas Fuelidas | | | Goals | | | | |
| | | 1st | Guidance, Euclidea Learning content c assignment (1) "Er topology" | outside class hou | | Understand congruence transformation and become familiar with the properties of invariant figures under congruence transformation. | | | | |
| | | 2nd | Similar geometry Learning content c assignment (1) "E | outside class hou uclidean geomet | rs: Report rv and topology | Understand similarity transformations and become familiar with the properties of invariant figures under similarity transformations. | | | | |
| | | 3rd | topology Learning content c assignment (1) "E | outside class hou | rs: Report | Familiarize yours | elf with the ide | ea of topology. | | |
| | 1st Quarter | 4th | Isometric transform Learning content c assignment (1) "E | mation and joint | transformation | n Understand the relationship between isomet transformation and joint transformation. | | | | |
| | | 5th | Exercise (Euclidear | n geometry and | topology) rs: Report | | | | | |
| | | 6th | assignment (1) "E Distance and Eucli Learning content c assignment (2) "E | dean space outside class hou | rs: Report | Familiarize yours space. | elf with distand | ce and Euclidean | | |
| | | 7th | Shape Learning content c assignment (2) "El | outside class hou | rs: Report | Familiarize yourself with some examples of shapes in Euclidean space. | | | | |
| 1st Semeste r | | 8th | Crafting figures, gr Learning content c assignment (2) "Er | raphs, and self-s | imilar figures rs: Report | Familiarize yours self-similar figure | elf with figure es. | work, graphs, and | | |
| | | 9th | Set and logic Learning content c assignment (2) "E | outside class hou | rs: Report | Familiarize yours | elf with sets ar | nd logic. | | |
| | | 10th | Exercise (Euclidear Learning content c assignment (2) "E | outside class hou | rs: Report | | | | | |
| | | 11th | Shape transformat Learning content c assignment (3) "T figures" | outside class hou | rs: Report nd mapping of | Understand the basic properties of figure deformation and represent the deformation by mapping. | | | | |
| | 2nd Quarter | 12th | Map Learning content outside class hours: Report assignment (3) "Transformation and mapping of figures" Sequences and point sequences of figures Learning content outside class hours: Report assignment (3) "Transformation and mapping of figures" | | | Familiarize yourself with the nature of mapping. Understand the sequence of numbers and the sequence of points of figures, and show convergence by the ϵ -N theory. | | | | |
| | | 13th | | | | | | | | |
| | | 14th | Exercise (transforr Learning content c assignment (3) "T figures" | outside class hou | rs: Report | | | | | |
| | | 15th | (final exam) | | | | | | | |
| Evert C | M | 16th | Return and comme | al exam answer | | | | | | |
| Evaluati | Evaluation Method and Weight (%) Examination Presentation Mutual Evaluations between students Behavior | | | | Behavior | Portfolio | Other | Total | | |
| Subtotal | 6 | 0 | 0 | 0 | 0 | 0 | 40 | 100 | | |
| Basic Proficiency | , 0 | I | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Specialized Proficiency | d c | 0 | 0 | 0 | 0 | 0 | 40 | 100 | | |
| Cross Area Proficiency 0 0 0 0 0 | | | | 0 | 0 | 0 | | | | |

| Tsuyama College | | Year | 2021 | | | Course Title | Scient | ific Investigation |
|--|---|---|---|---|------------------------------------|---|---------------------------------------|--|
| Course Information | on | | | | | | | |
| Course Code | 0038 | | | Course Cate | gory | Specializ | ed / Elec | ctive |
| Class Format | Lecture | | | Credits | | Academ | c Credit: | : 2 |
| Department | | ectronics and neering Cours | | Student Grad | | Adv. 2nd | | |
| Term | Second Sem | ester | | Classes per V | Week | 2 | | |
| Textbook and/or Teaching Materials | Handouts an | d other mater | ials will be distri | buted as appro | opriate | | | |
| Instructor | YAMAGUCHI | Daizo | | | | | | |
| Course Objectives | | | | | | | | |
| Learning purposes : When selecting a machine material, it is important to fully understand its properties and to judge how it should be used. In this class we will learn how to evaluate the properties of mechanical materials, and in group work we will learn what the results mean and what we need to pay attention to when evaluating them. | | | | | | | | and to judge how it should vork we will learn what the |
| Course Objectives : 1. To understand the evaluation method. 2. To be able to judge 3. To be able to draw | e which mate | rials are most | suitable for the | | | | ble to se | lect the required |
| Rubric | | | | | | | | |
| | Excellen | t | Good | | Accep | otable | | Not acceptable |
| Achievement 1 | investiga of mate | to explain hov ate the proper rials and selec ired evaluatio s. | ties of materials t to work col | the properties s and be able laboratively in select the | invest of ma advice and b | Understand how to investigate the properties of materials with the advice of a supervisor and be able to select the necessary evaluation | | |
| Achievement 2 | materia | ne which s are most for the requir | team to de materials a | the required | super judge most | the advice or visor, be ab what mate suitable for red perform | le to rials are the | Not reached the left column. |
| Achievement 3 | | to develop an on and analys | is team to de collaborativ | Be able to work in a called to develop a collaborative evaluation and analysis plan. Be able to develop a collaborative evaluation and supervisor. | | | alysis | Not reached the left column. |
| Assigned Departr | nent Objec | tives | | | | | | |
| Teaching Method | | | | | | | | |
| | General or S | pecialized : S | pecialized | | | | | |
| | Field of learr | nina : Commo | on and basic nati | ural sciences | | | | |
| | Foundationa | l acadomic dic | ciplinos : Engin | ooring / Matori | alc / M | lochanics of | matorial | s / Materials evaluation |
| | Relationship | with Educatio | nal Objectives : ent to "(2) Acqui | | | | | |
| Outline | Relationship | with JABEE pi | | | | | | |
| | Course outline : When selecting a machine material, it is important to fully understand its properties and to judge how it should be used. In this course, students will learn how to evaluate the properties of mechanical materials, and in group work, they will learn what the evaluation results mean and what to pay attention to when evaluating them. | | | | | | | |
| | Course meth equipment a | nod : Each gro nd research fi e next week. S | elḋ. The teacher | will assist the | studer | nts in their p | resentat | evaluation, analysis ions and they will submit a understand the meaning of |
| Style | (1) Distribut (2) Evaluation and their base (3) Re-example by oral example | on criteria: The sic application ination: Stude nination will be | examination (re basic content a will be the evaluents will be re-ex | and understand Jation criteria. Kamined only o r, a retest may | ling of 60 poi nce bv | the items lis nts or more oral examin | sted in th is a pass nation. (3 | ne achievement objectives |

| | | | Precautions on the enrollment : In addition to the 15 credit hours per credit, students are required to study 30 credit hours. Students are expected to follow the instructions of their teachers regarding these studies. | | | | | | | | | |
|----------------------------------|--|------|--|--|---|--------------------------------------|---|---|----------------------|--|--|--|
| | | | Course ac It is ess and that t | | nts prepare for th egular interest in | e class by comr mechanical mat | nunicating and rev cerials. | viewing with their | r teammates, | | | |
| Notice | | | Mechanic | onal subjects : Ap s of Materials I (M and Electronic Ma | 3rd), Mechanics | (all 4th year), C of Materials II | hemistry II (3rd), (M 4th), | Materials Science | e (M 2nd), | | | |
| | | | Related s | ubjects : Functior | nal Materials Scie | nce (MS 2nd), S | Strength of Materia | als (MS 2nd). | | | | |
| | | | should be | curious and activ | ely seek to acqui d the basic purpo | re new knowlect pses and princip | ruments in the scie lge. Students are les of analytical in will be treated as | expected to study struments. Stude | vindependently | | | |
| Charact | eristic | s of | | Division in Lea | | | | - | | | | |
| ☑ Active | Learnir | g | | ☑ Aided by ICT | | ☑ Applicable t | o Remote Class | ☑ Instructor Pr Experienced | ofessionally | | | |
| Elect | tive | sι | ubject | ī S | | | | | | | | |
| Course | Plan | | | | | | 1 | | | | | |
| | | | | heme | | • • • | Goals | | | | | |
| | | 1 | lst (| Guidance (Study o 1) Materials asses lifferent methods) | ssment methods | : Assignment (overview of | Understand how | the class is run. | | | | |
| | 2n 3rc | | 2nd b | lechanical charact bending, hardness butside class time: compression tests | and impact tests Assignment (2) | s) (Study | Understand typic evaluation metho | al mechanical pro ds. | operties | | | |
| | | | Brd F | Preparation of Pres lass time: Assignr | sentation Slides I ment (3) Bending | (Study outside Examination) | Work in groups to produce a slide about the evaluation device. Students work in groups to prepare slides on | | | | | |
| | 3rd Quarter | r 2 | ith F | Preparation of pres outside class time: | sentation slides I Assignment (4) | I (Study Hardness test) | Students work in phenomena and | groups to prepai theories. | re slides on | | | |
| | Quarte | | 5th c | Preparation of pres outside class time: est) | sentation slides I | II (Study | Each group will p application in a re | repare a slide pre eal company. | esentation on an | | | |
| | | e | 5th F | Presentation by graine: preparation | oup 1 (Study out of assignment (6 | side class) by group 1) | Be able to unders presentation. | stand the content | t of the | | | |
| 2nd | | 7 | th F | Presentation group Issignment (7) pre | 2 (Study outside eparation of groute grou | e class time: p 2) | Be able to understand the content of the presentation. | | | | | |
| Semeste r | | 8 | Sth F | Presentation by 3 (ime: Assignment | groups (Study ou (8) Preparation o | itside class f 3 groups) | Be able to understand the content of the presentation. | | | | | |
| | | ç | 9th T | valuation of mech EM) (Study outsio (RD) | nanical materials de class time: As | (XRD, SEM, signment (9) | Be able to understand typical mechanical material evaluation methods. | | | | | |
| | | 1 | LOth F | Preparation of pres lass time: Assignr | sentation slides I ment (10) SEM) | (Study outside | Work in groups to analyser. | o produce slides a | about the | | | |
| | | 1 | | Preparation of pres outside class time: | Assignment (11 |) TEM) | In groups, prepar principles of evalu | re a slide present uation and analys | ation on the sis. | | | |
| | 4th Quarte | r 1 | 2th f | resentation by grain of the preparation of the prep | oup 1 (Study out of assignment (1 | side class 2) by group 1) | Be able to unders presentation. | stand the content | t of the | | | |
| | | 1 | | Presentation group preparation of assi | | | Be able to unders presentation. | stand the content | t of the | | | |
| | | 1 | L4th F | Presentation by grainer (| oup 3 (study out (14) preparation | side class by group 3) | Be able to understand the content of the presentation. | | | | | |
| | | | | Completing the rep | oort | | Correct inadequa | te report content | | | | |
| Evoluat | ion Ma | | | Summary | | | | | | | | |
| Evaluation Method and Weight (%) | | | | | | | | | | | | |
| | Examination (Report) Presentation Evaluations between students Behavior | | Behavior | Portfolio | Other | Total | | | | | | |
| Subtotal | | 30 | | 20 | 0 | 0 | 0 | 0 | 100 | | | |
| Basic Proficienc | cy . | C | | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Specialize Proficienc | | | | 0 | 0 | 100 | | | | | | |
| Cross Are Proficienc | | | | 0 | 0 | 0 | 0 | | | | | |

| Ts | Tsuyama College Year 2021 | | | Course Title | | | | | |
|---|--|--|--|--|---|--------------------------|------------------------------|----------------------|---|
| Course | Informa | tiọn | | | | | | | |
| Course Co | | 0039 | | | Course Cate | gory | Specializ | , | |
| Class Forr | mat | Lecture | Flashu i i | Tarfa | Credits | | Academi | c Credit: | 2 |
| Departme | ent | | Electronics and igineering Cours | | Student Grad | de | Adv. 2nd | | |
| Term | | Second Se | emester | | Classes per | Week | 2 | | |
| Textbook Teaching | | テキストと | なる資料を配布す | る。 | | | | | |
| Instructor | | YAGI Hide | yuki | | | | | | |
| 学習目的: 一 一 一 学習目的: 一 一 一 一 一 二 、 二 、 、 て 制 御 に の に の の 、 一 の の の の の の の の の の の の の の の の | ^穽 する。 : ステムからり 呈式の解法を 可観測にこ | ご表現されたシ で表現されたシ 代態変数モデル 2知り、解を求 ついて理解し、 | が構築できる。 めることができる 系の可制御, 可観 | 時間領域で表現され 3。 測性が判定できる。 | | デルにつ | いて説明でき | , システ | - ムの可制御性と可観測性の |
| 4.状態フィ | ィードバック | フによって系の | 極を指定できる。 | | | | | | |
| Rubric | | 唐 | | | | 1_ | | | |
| 評価項目1 | | <u>優</u> 複雑な モデル とがて | に対し状態3 の理論を適用する | <u>良</u> 2間 3こ 論を理解でき | ルに関する理 る。 | 可 状態空 礎的な | 間モデルに関 理論を理解で | 引する基 ごきる。 | 不可 左記に達していない。 |
| 評価項目2 | | 状態方 | <u>にな。</u> 行程式の座標変換は 派展的に理論を適用 | こ関 状態方程式の 用で 解できる。 | 座標変換を理 | | を 程式の基礎的 理解できる。 | りな座標 | 左記に達していない。 |
| 評価項目3 | | システ 測性の | ムの可制御性とす 概念に関して発展 を適用できる。 | 可観 システムの可 裏性の概念に 理解できる。 | 制御性と可観 関する理論を | 測性の | ムの可制御憎 一概念に関する うを理解できる | S基礎的 | 左記に達していない。 |
| 評価項目4 | | ノイー |)な問題に対し,れ ・ドバックによる制 ・理論を適用できる | 別御 制御糸設計に | バックによる ついて理解で | 状態フ 基礎的 て理解 | マードバック な制御系設計 できる。 | 7による †につい | 左記に達していない。 |
| Assigne | d Depar | tment Obj | ectives | | | | | | |
| Teachin | ig Metho | | の別:専門・情報 | | | | | | |
| Outline | | 専攻科学習 運用に活用 技術者教育 , A - 1 : 授業の概要 ・可観測性 | 目標との関連:本 できる能力を身に プログラムとの関 工学に関する基础 :本講義では、モ ,構造解析など状 | 間連:本科目が主体 控知識として、自然 ミデル化されたシス ・ 能方程式を基に統 | 目標「(2)専門 る科目である。 とする学習・教 科学の幅広い分 テムを現代制御 一的に論ずる。 | (育到達日))野の知言)理論に。 | 目標は「(A 識を修得し, より解析する |)技術に 説明でき 。これら | 城やシステムの設計・製作・ 関する基礎知識の深化 ること」である。 システムの安定論,可制御 の制御モデル例を交えなが |
| Style | | ら 講義する 成績評価方 ート課題の 理解度が不 験結果に入 | 。更に,理解が溺 法:定期試験の編 提出期限が守られ 十分であると感じ れる。 | られる部分は補講 | ート課題を課す 0%)。レポー 最大20%まで を行い,再試を | 、 ト課題 の評価。 行う場 | ムどの提出物 とする。 合もある。再 | の内容を 試の結果 | の制御モテル例を交えなか 評価する(30%)。レポ は上限60点として定期試 業時間外の学修を合わせて 示に従うこと。 |
| NI 11 | | 履修のアド | バイス:本科制徒 | 『工学で学んだ内容 『子, 情報4), 制御 | を理解している | ことが | 望ましい。 | | |
| Notice 関連科目:線形代数学(専1年),回路網解析(専2)など 受講上のアドバイス:本講義では線形代数の知識を駆使することになる。行列演算等はコンピュータを用いて効率的に 計算できるが,基本的な計算はハンドワークによって確認する必要がある。また,与えられる課題を遅延なくこなすこと も重要である。 授業の開始時に出欠をとり,その際返事がなく,その後入室をしてきた者は遅刻とする。遅刻3回で1回の欠席とする | | | | | | | | | |
| Charact | eristics of | of Class / I | Division in Le | arning | | | | | |
| | Learning | | □ Aided by IC | | Applicabl | e to Re | emote Class | □ In Exper | structor Professionally ienced |
| 選択 | | | | | | | | - F | |
| Course | Plan | | | | | | | | |
| | | Т | heme | | | | Goals | | |
| | | | | | | 倒立2輪車両の安定化実例 | | | |
| | | 1st · | ガイダンス | | | 倒立 | 2輪車両の多 | 式正化美伤 | i) |
| 2nd | 3rd | | ガイダンス 動的システムと | 犬態方程式 | | | 2輪車両の多 (方程式の計算 | | <u>ال</u> |
| | 3rd Quarter | 2nd · | | | | 状態 | | ja T | <u>ال</u> |

| - | - | | | | 1 | | | | |
|---------|--|---|---|--|--|--|---|--|--|
| | 5th | ・システムモデルと | _線形化(3) | | 倒立2輪車両のモ | デル化 | | | |
| | 6th | ・システムモデルと | ∠線形化(4) | | 倒立2輪車両のモ | 倒立2輪車両のモデル化 | | | |
| | 7th | ・状態方程式の解とその解法 | | | 状態方程式の微分 | 方程式の解の計算 | 算 | | |
| | 8th | ・可制御性,可観測 | !性と判定法 | | 可制御性, 可観測 | 性の解法 | | | |
| | 9th | ・システムの座標変 | で換(1) | | 可制御正準形式へ | の変換 | | | |
| | 10th | ・システムの座標変 | 贬换(2) | | 可観測正準形式へ | の変換 | | | |
| | 11th | ・線形システムの構 | | | 最小実現を求める | | | | |
| 4th | 12th | ・システムの安定性 | まとその判別 | | 安定性を求める | | | | |
| Quarter | 13th | ・状態フィードバックによる極指定 | | | コントローラを設 | コントローラを設計する | | | |
| | 14th | ・出力フィードバックによる極指定 | | | コントローラを設 | 計する | | | |
| | 15th | 期末試験 | | | | | | | |
| | 16th | ・答案の返却と解説 | ź | | | | | | |
| on Met | hod and \ | Neiaht (%) | | | | | | | |
| | | | 相互評価 | 自己評価 | 課題 | 小テスト | Total | | |
| 70 |) | 0 | 0 | 0 | 30 | 0 | 100 | | |
| J 0 | | 0 | 0 | 0 | 0 | 0 | 0 | | |
| |) | 0 | 0 | 0 | 30 | 0 | 100 | | |
| 1能力 0 | | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | Quarter fon Metl 武 つ り り て の り | 6th 7th 8th 9th 10th 11th 12th 13th 14th 15th 16th 3tlige 70 0 70 70 70 70 70 70 70 | 6th ・システムモデルと 7th 7th ・状態方程式の解と 8th 8th ・可制御性,可観測 9th 9th ・システムの座標変 10th 10th ・システムの座標変 11th 12th ・システムの安定性 13th 12th ・システムの安定性 13th 15th 期末試験 16th 16th ・答案の返却と解討 70 0 0 70 0 70 0 70 0 | 6th ・システムモデルと線形化(4) 7th ・状態方程式の解とその解法 8th ・可制御性,可観測性と判定法 8th ・ジステムの座標変換(1) 10th ・システムの座標変換(2) 11th ・線形システムの構造解析 12th ・システムの安定性とその判別 13th ・状態フィードバックによる極指定 14th ・出力フィードバックによる極指定 15th 期末試験 16th ・答案の返却と解説 con Method and Weight (%) ブ0 0 0 70 0 0 70 0 0 70 0 0 70 0 0 | 6th ・システムモデルと線形化(4) 7th ・状態方程式の解とその解法 8th ・可制御性,可観測性と判定法 9th ・システムの座標変換(1) 10th ・システムの座標変換(2) 11th ・線形システムの構造解析 12th ・システムの安定性とその判別 13th ・状態フィードバックによる極指定 14th ・出力フィードバックによる極指定 15th 期末試験 16th ・答案の返却と解説 con Method and Weight (%) 0 減験 発表 相互評価 70 0 0 0 0 0 0 0 70 0 0 0 70 0 0 0 | 6th ・システムモデルと線形化(4) 倒立 2 輪車両のモ 7th ・状態方程式の解とその解法 状態方程式の微分 8th ・可制御性,可観測性と判定法 可制御性,可観測 9th ・システムの座標変換(1) 可制御正準形式へ 10th ・システムの座標変換(2) 可観測正準形式へ 10th ・システムの座標変換(2) 可観測正準形式へ 11th ・線形システムの構造解析 最小実現を求める 12th ・システムの安定性とその判別 安定性を求める 13th ・状態フィードバックによる極指定 コントローラを設 15th 期末試験 1 16th ・答案の返却と解説 1 70 0 0 0 70 0 0 0 0 70 0 0 0 30 70 0 0 0 0 | 6th ・システムモデルと線形化(4) 倒立 2 輪車両のモデル化 7th ・状態方程式の解とその解法 状態方程式の微分方程式の解の計算 8th ・可制御性,可観測性と判定法 可制御性,可観測性の解法 9th ・システムの座標変換(1) 可制御正準形式への変換 10th ・システムの座標変換(2) 可観測正準形式への変換 11th ・線形システムの構造解析 最小実現を求める 12th ・システムの安定性とその判別 安定性を求める 13th ・状態フィードバックによる極指定 コントローラを設計する 14th ・出力フィードバックによる極指定 コントローラを設計する 15th 期末試験 1 16th ・答案の返却と解説 1 70 0 0 0 13t験 発表 相互評価 課題 小テスト 70 0 0 0 0 0 70 0 0 0 0 0 0 | | |

| Tsuyama Co | llege | Year | 2021 | | (| Course Title | Long ⁻ | Term Internship |
|--|---|--|--|--|--|--|----------------------|---|
| Course Information | n | | | | | -1 | | |
| Course Code | 0040 | | | Course Cate | gory | Specializ | , | |
| Class Format | Practical train | 5 | T (): | Credits | | Academi | c Credit: | 2 |
| Department | Advanced Ele System Engir | | | n Student Gra | de | e Adv. 2nd | | |
| | Intensive | | | Classes per | Week | | | |
| Textbook and/or Teaching Materials | | | | | | | | |
| Instructor Course Objectives | | azunori,TERA | AMOTO Tak | ayuki,KONISHI Daiji | iro | | | |
| Learning purposes : The purpose of the internship is to deepen knowledge and improve research ability so as not to be separated from the technology of the real world. Students in the advanced course are required to carry out about 30 hours of off-campus training as part of Thesis Work. However, it is thought that there are many items that cannot be learned in the short time of 30 hours, so we have made it possible to select long-term internships (about 4 weeks, about 140 hours) as elective courses (2 credits) from the above mentioned short-term off-campus training. | | | | | | | | aining as part of Thesis Jrs, so we have made it |
| Course Objectives : 1. Explain the training collaboration with soci © Can recognize the r © Through collaborati © You can design you | ety esponsibility ve activities, | and originalit | ty that engir erstand you | neers have on societ r role and communi | tv | | | - |
| Rubric | | | | | 1 | | | |
| | Excellent | | Good | | Accepta | able | | Not acceptable |
| Achievement 1 | training in report presenta professio so that r audience | tions from a onal point of eaders and t can fully and the conte | ined trainir in rep presen view profes he so tha audier | ontent of the ng can be explained orts and ntations from a ssional point of view at readers and the nce can understand ontent of the ng. | The cor training in repo | in roports and th | | You have not reached the level shown on the left. |
| Achievement 2 | explain t responsi | bilities and / that compa | the re creativ | rstand and explain esponsibilities and vity that companies o society. | and cre | he respons ativity tha nies owe to | t | You have not reached the level shown on the left. |
| Achievement 3 | Through training, understa commun with oth | practical you can ind your role icate sufficie | and trainir ntly comm | gh practical ng, you can stand your role and nunicate with others resentation, etc.). | training | h practical , you can nicate wit sentation, | h others | You have not reached the level shown on the left. |
| Achievement 4 | training company about yc systema | the practical experience a , you can th ur career tically and t sufficiently. | t the trainir ink compa about syster | ng the practical ng experience at the any, you can think your career matically and n it. | the Utilizing the practical training experience at the company, you can explain your career . | | | You have not reached the level shown on the left. |
| Assigned Departm | nent Object | tives | · · | | | | | |
| Teaching Method | _ | | | | | | | |
| | aim of deepe | ning knowled d. It is set as t 140 hours). | dge and imp a 2-credit (| proving research abi | lity so as | not to be | separate | Itside the college with the ed from the technology of ctical training for about 4 |
| | Field of learn Foundational Engineering | ing: Experin academic dis Electronic C | nent / pract sciplines : I Control Engi | Engineering / Mecha ineering / Informatio | anical Er on Engin | gineering eering | / Electric | cal and Electronic |
| Outline Relationship with Educa This class is equivalent t lectures and academic s acquired a global perspe | | | (6) Throu cieties, the s | igh extracurricular a | activities to work | and partic with local | ipation ir commur | n advanced technology nities and as well has |
| | 2, D-3 and G | al of learning -1". | programs : / educatior | n in this class is "(H) |) H-1". A | ccompany | ingly, it i | s also involved in "F-1, A- |
| | Course outlin Practical train | | it 4 weeks o | or 140 hours at an o | ff-campu | ıs training | such as | a company. |
| Style | Course meth | od : | | ork at companies. A | • | | | . , |
| | Grade evalua Evaluation sh | | | 0%), reports (20%) |) and pre | sentations | s (20%) a | are used for evaluation. |

| | | Precautions on the enrollment : Be sure to take out insurance when you go to practice. | | | | | | | | | | |
|---------------------|---|---|---|--|--|--|--|--|--|--|--|--|
| | | Course advice : Be sure to attend the off-campus training and long-term internship briefing session as it will be held in advance. As a preliminary study, investigate the company to which you are practicing and its industry / | | | | | | | | | | |
| | | Be sure advance | to attend the off-campus training and long-term e. As a preliminary study, investigate the company | internship briefing session as it will be held in y to which you are practicing and its industry / | | | | | | | | |
| | | Ibusines | s content. Be sure to follow the discipline of the c on and affects recruitment and job hunting. | ompany. intern's evaluation leads to school | | | | | | | | |
| Notice | | | | | | | | | | | | |
| | | Foundat | tional subjects : All the subjects you have learned | | | | | | | | | |
| | | Related | subjects : Thesis Work I , II (Advanced Course : | 1st, 2nd) | | | | | | | | |
| | | Attendance advice : Unless it is unavoidable, do not be late or absent from the training. | | | | | | | | | | |
| Charact | eristics | cs of Class / Division in Learning | | | | | | | | | | |
| Active | ve Learning Aided by ICT Applicable to Remote Class Instructor Professionally Experienced | | | | | | | | | | | |
| Elect | ive s | ubjec | t s | | | | | | | | | |
| Course | Plan | 1 | | | | | | | | | | |
| | | | Theme | Goals | | | | | | | | |
| | | 1st | Guidance (beginning of the school year) | You can plan your long-term internship course and your career. | | | | | | | | |
| | | 2nd | Decision of training company | You can plan your long-term internship course and your career. | | | | | | | | |
| | | 3rd | Confirmation of practical training contents with the supervisor / company staff | You can understand the contents at the internship destination and make a training plan. | | | | | | | | |
| | | 4th | Practical training in companies, etc. | Understand your own role and practice, and through the practice you can understand the | | | | | | | | |
| | | | | responsibility and creativity that a company has on society. | | | | | | | | |
| | 1st Quarter | 5th | Practical training in companies, etc. | Understand your own role and practice, and through the practice you can understand the responsibility and creativity that a company has on society. | | | | | | | | |
| 1-4 | | 6th | Practical training in companies, etc. | Understand your own role and practice, and through the practice you can understand the responsibility and creativity that a company has on society. | | | | | | | | |
| 1st Semeste r | | 7th | Practical training in companies, etc. | Understand your own role and practice, and through the practice you can understand the responsibility and creativity that a company has on society. | | | | | | | | |
| | | 8th | Preparation for Internship debriefing session | From a professional point of view, the training content can be summarized in a report and a presentation manuscript. | | | | | | | | |
| | | 9th | Internship debriefing session | You can present the training content in an easy- to-understand manner from a professional perspective. | | | | | | | | |
| | | 10th | Participate in practical training at companies for about 4 weeks or 140 hours. | | | | | | | | | |
| | 2nd Ouarter | 11th | | | | | | | | | | |
| | Quarter | 12th | | | | | | | | | | |
| | | 13th 14th | | | | | | | | | | |
| | | 15th | | | | | | | | | | |
| | | 16th | | | | | | | | | | |
| | | 1st | | | | | | | | | | |
| | | 2nd | | | | | | | | | | |
| | | 3rd | | | | | | | | | | |
| | 3rd | 4th | | | | | | | | | | |
| | Quarter | 5th | | | | | | | | | | |
| | | 6th | | | | | | | | | | |
| and | | 7th | | | | | | | | | | |
| 2nd Semeste | | 8th | | | | | | | | | | |
| r | | 9th | | | | | | | | | | |
| | | 10th 11th | | | | | | | | | | |
| | 4th | 12th | | | | | | | | | | |
| Quarter 13th | | | | | | | | | | | | |
| | | 14th | | | | | | | | | | |
| | | 15th | | | | | | | | | | |
| | | 16th | | | | | | | | | | |
| Evaluat | ion Meth | od and V | Weight (%) | | | | | | | | | |

| | Company Evaluation | Presentation | Mutual Evaluations between students | Behavior | Portfolio | Report | Total |
|----------------------------|-----------------------|--------------|--|----------|-----------|--------|-------|
| Subtotal | 60 | 20 | 0 | 0 | 0 | 20 | 100 |
| Basic Proficiency | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Specialized Proficiency | 40 | 10 | 0 | 0 | 0 | 15 | 65 |
| Cross Area Proficiency | 20 | 10 | 0 | 0 | 0 | 5 | 35 |

| Tsuyama College | | Year | 2021 | | | Course Title | | | |
|--|--|---|--|--|--|---|------------------------|--|--|
| Course Information | on | | | | | | | | |
| Course Code 0041 | | | | Course Cate | gory | | Specialized / Elective | | |
| Class Format Seminar | | | | Credits | | Academi | Academic Credit: 1 | | |
| Department Advanced Electronics an System Engineering Co | | | | Student Grad | ade Adv. 2nd | | ł | | |
| Term | | Classes per \ | Week | | | | | | |
| Textbook and/or Teaching Materials | Information | Information on various events, training textbooks, etc. | | | | | | | |
| Instructor | KONISHI Daijiro,HOSOTANI Kazunori,TERAMOTO Takayuki | | | | | | | | |
| Course Objective | S | | | | | | | | |
| Learning purposes : Improve communicat as an engineer who c | ion skills in Er an play an ac | nglish and dee tive role interr | pen understan nationally. | ding of various c | cultures | s and custor | ns on the | e earth. Foster awareness | |
| Course Objectives : 1. Understand the ot skills in an easy-to-ur 2. You can acquire a | nderstand mai | nner. | - | | nd con | vey your the | oughts a | nd specialized knowledge / | |
| Rubric | | | | | | | | • | |
| | Excellen | | Good | Good Acc | | Acceptable | | Not acceptable | |
| Achievement 1 | other pe English i person t commur technicia public, y your ow ideas in understa devising method. | derstanding the regardless of to be nicated, such a an or the gene ou can conver n opinions and an easy-to- and manner w an explanatic and gain a t understandin | s in che After unde as a other perservation you can c yopinions a d gain unde devising a chile method. | erstanding the son in English, onvey your own and ideas and erstanding while an explanation | in English, It can be said in an easy ey your own to-understand manner ideas and using effective nding while procedures and means i | | anner | easy-to-understand manner using effective | |
| Achievement 2 | culture a develop perspect thinking "newly a informat | and difference and values, multifaceted tives and ways , and combine acquired tion" and "pas ge" to come u v ideas. | s of t understar difference values, ar while asso acquired i | Understand the differences in culture and values, and consider | | You can associate "newly acquired information" with "past knowledge". | | You can not associate "newly acquired information" with "past knowledge". | |
| Assigned Departr | nent Objec | tives | | | | | | | |
| Teaching Method | | | | | | | | | |
| Outline | General or Specialized : Specialized Field of learning : International communications and cultural differences Foundational academic disciplines : Foreign language / engineering Relationship with Educational Objectives : This class is equivalent to "(6) Through extracurricular activities and participation in advanced technology lectures and academic societies, the student has learned to work with local communities and as well has accurring the student to "(6) Through extracurricular activities and participation in advanced technology lectures and academic societies, the student has learned to work with local communities and as well has | | | | | | | n advanced technology nities and as well has | |
| | Relationship with JABEE programs : The main goal of learning / education in this class is "(F) F - 3 ", also "(B) B-2"is involved. Course outline : | | | | | | | | |
| | Participate in international exchange programs related to our school or others, expand your international perspective based on the knowledge and skills you have learned so far, and aim to improve your communication skills in English. | | | | | | | | |
| Style | Course method : We will actively participate in international exchange programs related to our school or others and strive for self-improvement, and submit the designated report after participation. Presentations at international conferences, etc. made as part of special research are not included in this exercise. | | | | | | | | |
| , | Grade evaluation method : Evaluate by the 100-point method according to the event report. Credits will be accredited through the Advanced Course Steering Committee at the end of the school year. It is necessary to submit a credit application. | | | | | | | | |

| | | This sub per cred | Precautions on the enrollment : This subject is a "subject that requires study outside of class hours". Classes are offered for 15 credit hours per credit, but 30 credit hours are required in addition to this. Follow the instructions of your instructor for these studies. | | | | | | | |
|---|---|---|---|--|--|--|--|--|--|--|
| Notice | | It is imp make eff taken for Participa training | Course advice : It is important to broaden your interest in different cultures and English, and to actively participate in and make efforts in international exchange programs related to our school and others. This is a course that can be taken for two years. Participate in meetings such as guidance as preparatory learning to be conducted in advance, and check training / training destination information and safety information (required). In addition, read reference books | | | | | | | |
| | | | and have relevant knowledge about different cultures. Foundational subjects : All the subjects you have learned so far, especially English | | | | | | | |
| | | | ated subjects : Practical English I, I (Advanced Course 1st, 2nd), Reading on Technical English | | | | | | | |
| | | (Advance | vanced Course 1st), Thesis Work I, I (Advanced Course 1st, 2nd) | | | | | | | |
| Attendance advice : Since the class is mainly related to society, be aware that you are a student of our school will participate. Be careful about your safety. Check with the instructor for international exchang to this subject. | | | | | | | | | | |
| Charact | Characteristics of Class / Division in Learning | | | | | | | | | |
| □ Active | Learning | | Aided by ICT Applicable | to Remote Class Experienced | | | | | | |
| Elect | tive s | ubjec | ts | Experienced | | | | | | |
| Course | Plan | | | | | | | | | |
| | | | Theme | Goals | | | | | | |
| | | 1st | Participation in the event must be at least 30 hours. | Recognize the need for respect for the culture and history of each country and the tolerance to accept the differences. | | | | | | |
| 1st Semeste | 1st Quarter | 2nd | Includes participation in international exchange programs related to our school (actively if there is an opportunity to make a presentation) | Explain basic matters such as lifestyles, religious beliefs, and values of various countries. | | | | | | |
| | | 3rd | Participate in the event for a total of 30 hours or more (multiple events are acceptable) and submit a fixed report (travel time is not included in the exercise time). If you report the participation of the project, you can use the presentation materials to replace the outline of the exercises in the report. | Interpretation of cross-cultural events in relation to our own culture. | | | | | | |
| | | 4th | | Explain the role that science and technology should play in the economic and social development of each country and region and the responsible behavior of engineers. | | | | | | |
| r | | 5th | | | | | | | | |
| | | 6th | | | | | | | | |
| | | 7th | | | | | | | | |
| | | 8th | | | | | | | | |
| | | 9th 10th | | | | | | | | |
| | 2nd | 11th | | | | | | | | |
| | | 12th | | | | | | | | |
| | Quarter | 13th | | | | | | | | |
| | | 14th | | | | | | | | |
| | | 15th | | | | | | | | |
| | | 16th | | | | | | | | |
| | | 1st | | | | | | | | |
| | | 2nd | | | | | | | | |
| | | 3rd | | | | | | | | |
| 2nd Semeste r | 3rd Quarter | 4th | | | | | | | | |
| | | 5th 6th | | | | | | | | |
| | | 7th | | | | | | | | |
| | | 8th | | | | | | | | |
| | | 9th | | | | | | | | |
| | | 10th | | | | | | | | |
| | | 11th | | | | | | | | |
| | 4th | 12th | | | | | | | | |
| | Quarter | 13th | | | | | | | | |
| | | 14th | | | | | | | | |
| | | 15th | | | | | | | | |
| <u> </u> | L | 16th | | | | | | | | |
| Evaluat | ion Meth | od and V | Veight (%) | | | | | | | |

| | Examination | Presentation | Mutual Evaluations between students | Behavior | Portfolio | Reports | Total |
|----------------------------|-------------|--------------|--|----------|-----------|---------|-------|
| Subtotal | 0 | 0 | 0 | 0 | 0 | 100 | 100 |
| Basic Proficiency | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Specialized Proficiency | 0 | 0 | 0 | 0 | 0 | 100 | 100 |
| Cross Area Proficiency | 0 | 0 | 0 | 0 | 0 | 0 | 0 |