

Oyama College			Advanced Course of General Engineering				Year		2022						
Department Goals															
Course Category		Course Title	Course Code	Credit Type	Credits	Class Hours per Week								Instructor	Division in Learning
						Adv. 1st Y				Adv. 2nd Y					
						1st		2nd		1st		2nd			
						1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q		
General	Compulsory	Applied English 1	0005	Academic Credit	2	2								YOSHIMURA Rie	
General	Elective	Applied English 2	0006	Academic Credit	2	2								YOSHIMURA Rie	
General	Elective	Outline of Japanese language	0007	Academic Credit	2	2								SHIBATA Miyuki	
Specialized	Elective	Applied Mathematics for Structural Mechanics	0001	Academic Credit	2	2								OHWA Seira	
Specialized	Compulsory	環境技術	0002	Academic Credit	2	2								SUZUKI Shinnosuke, OSHIMA Ryuichi, SATO Atsushi, KOBAYASHI Yasuhiro, TANAKA Takahiro, NISHIKI Kei, Xiaoyang Li, OHWA Seira, FUMINO Hikaru	
Specialized	Compulsory	経営工学	0003	Academic Credit	2	2								SUZUKI Shinnosuke	
Specialized	Compulsory	System Design	0004	Academic Credit	2	2								IZAWA Satoru, KAMIYAMA Tetsu, AMAGAI Kenji, NOHARA Kazuhiro, YAGI Hitoshi, HANADA Yasuyuki, HUKUDA Takashi	
Specialized	Elective	Complex Analysis	0008	Academic Credit	2	2								SATO Kohei,	

Sp eci ali ze d	El ec tiv e	Applied Analysis	0009	Acade mic Credit	2	<table><tr><td></td><td></td><td>2</td><td></td><td></td><td></td><td></td></tr></table>			2					OKAD A So, KUMA SHIRO Shinya	
		2													
Sp eci ali ze d	El ec tiv e	Mathematics for Physical Chemistry and Chemical Engineering	0010	Acade mic Credit	2	<table><tr><td>2</td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	2							SAKAI Hirosh i,KASH IMA Keita	
2															
Sp eci ali ze d	El ec tiv e	Applied Science	0011	Acade mic Credit	2	<table><tr><td>2</td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	2							OTANI Masas hi	
2															
Sp eci ali ze d	Co m pu lso ry	特別研究 I	0012	Acade mic Credit	3	<table><tr><td>1.5</td><td>1.5</td><td></td><td></td><td></td><td></td><td></td></tr></table>	1.5	1.5						SUZU KI Shin- nosuk e,KOB AYAS HI Yasuhi ro,HIR ATA Katsu mi	
1.5	1.5														
Sp eci ali ze d	Co m pu lso ry	実務研修 I	0013	Acade mic Credit	2	<table><tr><td>Intensive</td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	Intensive							SUZU KI Shin- nosuk e,KOB AYAS HI Yasuhi ro,HIR ATA Katsu mi	
Intensive															
Ge ne ral	Co m pu lso ry	Ethics of Engineers	0014	Acade mic Credit	2	<table><tr><td></td><td></td><td></td><td></td><td>2</td><td></td><td></td></tr></table>					2			UENO Tetsu, TAKEU CHI Kosei	
				2											
Sp eci ali ze d	Co m pu lso ry	Industrial Property	0015	Acade mic Credit	2	<table><tr><td></td><td></td><td></td><td></td><td>2</td><td></td><td></td></tr></table>					2				
				2											
Sp eci ali ze d	Co m pu lso ry	プロジェクトデザイン	0016	Acade mic Credit	2	<table><tr><td></td><td></td><td></td><td></td><td></td><td></td><td>2</td></tr></table>							2	NASU Yuki	
						2									
Sp eci ali ze d	Co m pu lso ry	特別研究 I I	0017	Acade mic Credit	11	<table><tr><td></td><td></td><td></td><td></td><td>5.5</td><td>5.5</td><td></td></tr></table>					5.5	5.5		SUZU KI Shin- nosuk e,KOB AYAS HI Yasuhi ro,HIR ATA Katsu mi	
				5.5	5.5										
Sp eci ali ze d	El ec tiv e	実務研修 I I	0018	Acade mic Credit	2	<table><tr><td></td><td></td><td></td><td></td><td>Intensive</td><td></td><td></td></tr></table>					Intensive			SUZU KI Shin- nosuk e,KOB AYAS HI Yasuhi ro,HIR ATA Katsu mi	
				Intensive											

Oyama College		Year	2022		Course Title	Applied English 2	
Course Information							
Course Code	0006			Course Category	General / Elective		
Class Format	講義・演習			Credits	Academic Credit: 2		
Department	Advanced Course of General Engineering			Student Grade	Adv. 1st		
Term	Second Semester			Classes per Week	2		
Textbook and/or Teaching Materials	Given handouts						
Instructor	YOSHIMURA Rie						
Course Objectives							
1.To learn key academic skills as students engage with thought-provoking TED Talks							
2.To learn presentation skills and authentic language students need to successfully deliver their own presentations.							
Rubric							
	理想的な到達レベルの目安		標準的な到達レベルの目安		未到達レベルの目安		
評価項目1	Students are able to understand spoken and written English accurately.		Students are able to adequately understand spoken and written English.		Students are not able to understand spoken and written English adequately.		
評価項目2	Students are able to express themselves confidently and fluently.		Students are able to express themselves, though are sometimes hesitant to speak.		Students are not able to express themselves confidently and fluently.		
評価項目3	Excellent reflection on practice		Good level of reflection on practice and self-evaluation.		Superficial reflection from practice		
Assigned Department Objectives							
JABEE (d-2) JABEE (d-4) JABEE (E) JABEE (f) JABEE (g)							
Teaching Method							
Outline	This class primarily focused on presentation skills. Students synthesize information and consolidate their learning. Students will be able to deepen their understanding of a chosen, relevant topic.						
Style	Students are required to bring a Japanese-English dictionary. Positive participation is highly evaluated.						
Notice	Students who miss a presentation will be given a mark of zero						
Characteristics of Class / Division in Learning							
☐ Active Learning		☐ Aided by ICT		☐ Applicable to Remote Class		☐ Instructor Professionally Experienced	
Course Plan							
			Theme		Goals		
2nd Semester	3rd Quarter	1st	Welcome class		Introductions, syllabus review		
		2nd	Interview practice / Academic English?		Focus your topic Practicing a range of the themes most likely to appear in the interview		
		3rd	Describing date		Finding and evaluating sources of evidence		
		4th	Discussion topics		Practicing a range of the themes in the context of lively discussion		
		5th	Debate		Techniques and structure of debate		
		6th	Debate		Learning a range of languages in argumentation		
		7th	Rehearse Presentations		Rehearse your individual presentation		
		8th	Student Presentations		Give an individual presentation		
	4th Quarter	9th	Student Presentations		Give an individual presentation		
		10th	The visual Message		Use an effective hook		
		11th	Assertion-evidence approach		Tell a personal story		
		12th	Assertion-evidence approach		Consider your audience		
		13th	Rehearse your Presentations		Rehearse your individual presentation		
		14th	Student Presentations		Give an individual presentation		
		15th	Student Presentations		Give an individual presentation		
		16th	Student Presentations		Give an individual presentation		
Evaluation Method and Weight (%)							
	試験	発表	相互評価	態度	ポートフォリオ	その他	Total
Subtotal	20	70	0	0	0	10	100
基礎的能力	20	70	0	0	0	10	100
専門的能力	0	0	0	0	0	0	0
分野横断的能力	0	0	0	0	0	0	0

Oyama College		Year	2022		Course Title	Outline of Japanese language
Course Information						
Course Code	0007			Course Category	General / Elective	
Class Format	Lecture			Credits	Academic Credit: 2	
Department	Advanced Course of General Engineering			Student Grade	Adv. 1st	
Term	First Semester			Classes per Week	2	
Textbook and/or Teaching Materials	Handouts					
Instructor	SHIBATA Miyuki					
Course Objectives						
1. Acquire the knowledge of Japanese expression required as a student / worker and use it according to the situation. 2. Acquire logical and easy-to-understand expressions in oral and written form through practical training. 3. In communication activities such as debates, things can be done systematically while coordina						
Rubric						
	Ideal Level		Standard Level		Unacceptable Level	
Achievement 1	Excellent development of knowledge and operational ability of Japanese expression		Good development of knowledge and operational ability of Japanese expression		Poor development of knowledge and operational ability of Japanese expression	
Achievement 2	Excellent development of logical and easy-to-understand expressiveness in verbal and written		Good development of logical and easy-to-understand expressiveness in verbal and written		Poor development of logical and easy-to-understand expressiveness in verbal and written	
Achievement 3	Excellent development of the ability to do things cooperatively and systematically		Good development of the ability to do things cooperatively and systematically		Poor development of the ability to do things cooperatively and systematically	
Assigned Department Objectives						
JABEE (d-2) JABEE (d-4) JABEE (E) JABEE (F) JABEE (g)						
Teaching Method						
Outline	We will learn the knowledge and techniques for expressing in Japanese through practical training.					
Style	We aim to acquire the above three abilities: (1) the ability to "write" logical and easy-to-understand sentences, (2) the ability to "write" practical sentences necessary for social activities, and (3) the ability to "speak" with persuasive power. Also, acquire common sense of Japanese as an adult through quizzes.					
Notice	Many seniors say, "Expression is what you need at the crucial time." Technology only makes sense when it is communicated. Let's train together with the aim of becoming an engineer who has strengths in communication skills. The syllabus is subject to change due to circumstances.					
Characteristics of Class / Division in Learning						
☐ Active Learning		☐ Aided by ICT		☐ Applicable to Remote Class		☐ Instructor Professionally Experienced
Course Plan						
			Theme	Goals		
1st Semester	1st Quarter	1st	Guidance	Understand the goals and methods of the class		
		2nd	Logical Writing: How to Collect and Organize Information Skill up drill ①	Understand and practice how to collect and organize information.		
		3rd	Logical writing: The composition of logic Skill up drill ②	Understand and practice how to compose sentences.		
		4th	Logical Writing: Paragraph Writing Skill up drill ③	Understand and practice how to write a general paragraph.		
		5th	Logical Writing: Paragraph Writing Skill up drill④	Understand and practice how to write paragraphs.		
		6th	Logical Writing: Paragraph Writing Skill up drill ⑤	Understand and practice how to use abstracts effectively.		
		7th	Logical Writing: Paragraph Writing Skill up drill review test	Write sentences in the manner of paragraph writing.		
		8th	Debate: Learn how to debate, group work (link map, data card)	Understand how to discuss. Prepare for a debate for each group.		
	2nd Quarter	9th	Debate: Build an argument	Write a logically structured speech manuscript. Collect and organize information and utilize it as data.		
		10th	Debate: Rehearsal, 1st match	Discuss convincingly as a debater. Also, as a referee, analyze the content of the discussion.		
		11th	Debate: 2nd and 3rd match, commentary	Discuss convincingly as a debater. Also, as a referee, analyze the content of the discussion.		
		12th	Debate: 4th and 5th match, commentary	Discuss convincingly as a debater. Also, as a referee, analyze the content of the discussion.		
		13th	Express yourself: Self PR Honorifics ①	Understand and practice how to organize self-PR points and how to write effective self-PR sentences.		
		14th	Communicate politely: Oral etiquette, how to speak on the phone, honorifics ②	Learn the rules of honorifics and etiquette of oral expressions, and practice how to use words according to the situation.		

		15th	Official correspondence: cover letter, official email, honorific quiz	Understand and practice how to write correspondence according to the situation.
		16th	Summary, return of submissions, questionnaire	Look back on what you have learned and understand the developmental challenges that will be put to good use in the future.

Evaluation Method and Weight (%)

	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal	0	30	0	0	0	70	100
Basic Proficiency	0	30	0	0	0	70	100
Specialized Proficiency	0	0	0	0	0	0	0
Cross Area Proficiency	0	0	0	0	0	0	0

Oyama College		Year	2022		Course Title	Applied Mathematics for Structural Mechanics	
Course Information							
Course Code	0001		Course Category		Specialized / Elective		
Class Format	Lecture		Credits		Academic Credit: 2		
Department	Advanced Course of General Engineering		Student Grade		Adv. 1st		
Term	Second Semester		Classes per Week		2		
Textbook and/or Teaching Materials							
Instructor	OHWA Seira						
Course Objectives							
Rubric							
	Ideal Level		Standard Level		Unacceptable Level		
Achievement 1							
Achievement 2							
Achievement 3							
Assigned Department Objectives							
JABEE (c) JABEE (C) JABEE (g)							
Teaching Method							
Outline							
Style							
Notice							
Characteristics of Class / Division in Learning							
☐ Active Learning		☐ Aided by ICT		☐ Applicable to Remote Class		☐ Instructor Professionally Experienced	
Course Plan							
			Theme	Goals			
2nd Semester	3rd Quarter	1st	Simultaneous linear equations i.e. truss	Be able to realize truss example in simultaneous linear equations			
		2nd	Simultaneous linear equations i.e. slope deflection method	Be able to realize example ramen structures in simultaneous linear equations			
		3rd	Simultaneous linear equations i.e. incremental analysis, determinant, stability and instability	Be able to realize the problems of physics in simultaneous linear equations			
		4th	Spatial geometry i.e, inner product, cross product and coordinate conversion	Be able to realize the application in vector and ranks			
		5th	Probability statistics i.e. service force	Be able to realize probability statistics for service force			
		6th	Eigenvalue analysis i.e. vibration mode	Be able to realize vibration mode in eigenvalue analysis			
		7th	complex function i.e. representation of vibration	Be able to realize representation of vibration for complex function			
		8th	Fourier Transform time domain and frequency domain	Be able to realize representation of for complex function time domain and frequency domain			
	4th Quarter	9th	Partial differential equations i.e. finite element methods	Realize finite element methods in partial differential equations			
		10th	Unsold differential equations for numerical solution and calculus	Realize having a lot of unsold differential equations depends on numerical solution			
		11th	Equation of heat conduction in the event of a fire and cold and warm rooms	Realize equation of heat conduction in the event of a fire and cold and warm rooms			
		12th	Diffusion equation for strength expression and moisture transfer	Realize diffusion equation for strength expression and moisture transfer			
		13th	Volatility equation for seismic waves and tsunami	Realize volatility equation for seismic waves and tsunami			
		14th	Numerical analysis for nonlinear increment analyses	Realize numerical analysis for nonlinear increment analyses			
		15th	Numerical analysis for geometric nonlinear analyses	Realize numerical analysis for geometric nonlinear analyses			
		16th					
Evaluation Method and Weight (%)							
	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal	0	0	0	0	0	0	0
Basic Proficiency	0	0	0	0	0	0	0
Specialized Proficiency	0	0	0	0	0	0	0

Cross Area Proficiency	0	0	0	0	0	0	0
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Oyama College		Year	2022	Course Title	環境技術
Course Information					
Course Code	0002		Course Category	Specialized / Compulsory	
Class Format	Lecture		Credits	Academic Credit: 2	
Department	Advanced Course of General Engineering		Student Grade	Adv. 1st	
Term	Second Semester		Classes per Week	2	
Textbook and/or Teaching Materials					
Instructor	SUZUKI Shin-nosuke, OSHIMA Ryuichi, SATO Atsushi, KOBAYASHI Yasuhiro, TANAKA Takakuni, NISHII Kei, Xiaoyang Li, OHWA Seira, FUMINO Hikaru				
Course Objectives					
2. I would like you to experience the electric power business and energy problems that are greatly related to decarbonization, which has become a hot topic these days, through our proprietary board game. Students are very welcome to ask questions (email is also acceptable)					
Rubric					
	Ideal Level		Standard Level		Unacceptable Level
Achievement 1					
Achievement 2					
Achievement 3					
Assigned Department Objectives					
JABEE (a) JABEE (b) JABEE (D) JABEE (g)					
Teaching Method					
Outline					
Style					
Notice					
Characteristics of Class / Division in Learning					
☐ Active Learning		☐ Aided by ICT		☐ Applicable to Remote Class	☐ Instructor Professionally Experienced
Course Plan					
			Theme	Goals	
2nd Semester	3rd Quarter	1st			
		2nd	Understand the energy consumption and power source composition of World and Japan; what are renewable energy and new energy; how can power system work. (Xiaoyang Li, 1 week) Preparation: Understand the reference materials Review: Understand the lecture and complete the assignments	Instruct at the time of the lecture.	
		3rd	Understand the earth observation satellites that are indispensable for solving global environmental problems and how to utilize the image information obtained by them (Yasuhiro Kobayashi, 1 week) Preparation: Understand the reference materials Review: Understand the lecture and complete the assignments	Instruct at the time of the lecture.	
		4th	Understand the causes of CFCs, aerosols, etc., their pollution status, impact on the environment, countermeasures and treatment technologies, and ozone depletion mechanisms (Nishii, 1 week) Preparation: Understand the reference materials Review: Understand the lecture and complete the assignments		
		5th	Causes of CO2, contamination status, impact on the environment, countermeasures and treatment technology, ・ Basic knowledge about radioactivity, radioactive materials, radioactive contamination accidents and impact on the environment, countermeasures (Nishii, 1 week) Preparation: Understand the reference materials Review: Understand the lecture and complete the assignments		
		6th	Water environment (Waste water measures, treatment and evaluation) (Takakuni Tanaka, 1 week) Preparation: Understand the reference materials.		
		7th	Soil environment (Waste soil measures, treatment and evaluation) (Takakuni Tanaka, 1 week) Preparation: Understand the reference materials.		
		8th	Introduction of Biotope and 3R (Reduce, Reuse Recycle) (Takakuni Tanaka, 1 week) Preparation: Understand the reference materials.		

	4th Quarter	9th	Current status of various fields from the viewpoint of housing environmental technology (Ryuichi Oshima, 1 week) Preparation: Understand the reference materials. Review: Take the lecture and complete the assignments.	Instructions will be given in the lecture.
		10th	Considering the environmental impact of the earthquake (East Japan and Hanshin) (, 1 week) Preparation: Understand the reference materials. Review: Take the lecture and complete the assignments.	Instructions will be given in the lecture.
		11th	Low carbon city planning (Atsushi Sato, 1 week) Preparation: Understand the reference materials. Review: Take the lecture and complete the assignments.	
		12th	Environmental Issues Facing Companies1 (Shinnosuke Suzuki, 1 week) Preparation: Understand the reference materials. Review: Take the lecture and complete the assignments.	Instructions will be given in the lecture.
		13th	Waste and Recycled Resources (Hikaru Fumino) Preparation: Realizing reference materials etc Review: Taking a lecture and working at a task	Instructions will be given in the lecture.
		14th	Environmental Issues Facing Companies2 (Shinnosuke Suzuki, 1 week) Preparation: Understand the reference materials. Review: Take the lecture and complete the assignments.	Instructions will be given in the lecture.
		15th	Environmental Issues Facing Companies3 (Shinnosuke Suzuki, 1 week) Preparation: Understand the reference materials. Review: Take the lecture and complete the assignments.	Instructions will be given in the lecture.
		16th		

Evaluation Method and Weight (%)

	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal	0	0	0	0	0	0	0
Basic Proficiency	0	0	0	0	0	0	0
Specialized Proficiency	0	0	0	0	0	0	0
Cross Area Proficiency	0	0	0	0	0	0	0

Oyama College		Year	2022		Course Title	経営工学
Course Information						
Course Code	0003		Course Category	Specialized / Compulsory		
Class Format	Lecture		Credits	Academic Credit: 2		
Department	Advanced Course of General Engineering		Student Grade	Adv. 1st		
Term	First Semester		Classes per Week	2		
Textbook and/or Teaching Materials						
Instructor	,SUZUKI Shin-nosuke					
Course Objectives						
The participants of this course are expected to understand the basic theories and practices of management and the basic elements of business operations such as marketing, product development, manufacturing, quality control, and accounting in order to be engineers that can contribute to value creation in various societies.						
Rubric						
	Ideal Level		Standard Level		Unacceptable Level	
Achievement 1	Explain the typical theory of business administration in one's own words.		Have correct understanding about the typical theory of business administration.		Don't have correct understanding about the typical theory of business administration.	
Achievement 2	Be able to explain about the elements of business operations such as marketing, technology development, manufacturing, quality control, and accounting in one's own words.		Have coorrect understanding about the elements of business operations such as marketing, technology development, manufacturing, quality control, and accounting.		Don't have coorrect understanding about the elements of business operations such as marketing, technology development, manufacturing, quality control, and accounting.	
Achievement 3	Have your own thoughts on how you can contribute to societies as an engineer, and be able to explain to others in a convincing way.		Be interested in how you can contribute to society as an engineer and can think from various perspectives.		Don't have interest about how you can contribute to societies as an engineer nor have any perspectives to think about it.	
Assigned Department Objectives						
JABEE (a) JABEE (b) JABEE (D) JABEE (g)						
Teaching Method						
Outline	This year is the 4th year, but the class evaluation is remarkably low, so this year I aim to achieve the learning objectives by reducing the assignments and the burden outside the class as much as possible.					
Style	In the class, while explaining the necessary theories, I will try to get people interested in management as much as possible by discussing various management topics and giving time to tackle the issues. In addition, I would like to give consideration to getting points properly in the learning in daily lessons so that the final exam will not be overly knowledgeable.					
Notice						
Characteristics of Class / Division in Learning						
☐ Active Learning		☐ Aided by ICT		☒ Applicable to Remote Class	☒ Instructor Professionally Experienced	
Course Plan						
			Theme	Goals		
1st Semester	1st Quarter	1st	Guidance	What is management engineering? Why study? think about it.		
		2nd	Corporate Theory	What is a company? What type of companies are there?		
		3rd	Corporate Theory	Think about the relationship between corporate form and decision making process.		
		4th	Administration Theory	What is an administration? Why is it necessary? Think about what should we do?		
		5th	Organization Theory	What is organizational theory? What kind of theories are there? Think about how the organization should be.		
		6th	Business Strategy Theory	Understand the types and characteristics of business strategies.		
		7th	Leadership Theory	Think about leadership and learn about typical theories.		
		8th	Corporate Culture	Understand the differences of corporate culture and think about what kind of management approach is effective for each of them.		
	2nd Quarter	9th	Technology Development	Think about the meaning of technological development for management and know what approaches are possible.		
		10th	Marketing	Think about the value of marketing activities.		
		11th	Marketing	Learn about various marketing strategies.		
		12th	Production Control	Learn about the purpose and method of production systems.		
		13th	Quality Management	Learn about the purpose and method of quality control.		

		14th	Financial Management	Learn about the purpose and method of financial management.
		15th	Retrospective	Review what we have learned and get deeper understanding.
		16th		

Evaluation Method and Weight (%)							
	Examination	Attendance	Mutual Eval.	Behavior	Portfolio	Report	Total
Subtotal	40	10	0	20	0	30	100
Basic Proficiency	0	0	0	0	0	0	0
Specialized Proficiency	0	0	0	0	0	0	0
Cross Area Proficiency	40	10	0	20	0	30	100

Oyama College		Year	2022		Course Title	System Design	
Course Information							
Course Code	0004		Course Category		Specialized / Compulsory		
Class Format	Lecture		Credits		Academic Credit: 2		
Department	Advanced Course of General Engineering		Student Grade		Adv. 1st		
Term	First Semester		Classes per Week		2		
Textbook and/or Teaching Materials							
Instructor	IZAWA Satoru,KAMIYA Tetsu,AMAGAI Kenji,NOHARA Kazuhiro,YAGI Hitoshi,HANADA Yasuyuki,HUKUDA Takashi						
Course Objectives							
Rubric							
	Ideal Level		Standard Level		Unacceptable Level		
Achievement 1							
Achievement 2							
Achievement 3							
Assigned Department Objectives							
JABEE (B) JABEE (d-2) JABEE (d-3) JABEE (g) JABEE (h) JABEE (i)							
Teaching Method							
Outline							
Style							
Notice							
Characteristics of Class / Division in Learning							
☐ Active Learning		☐ Aided by ICT		☐ Applicable to Remote Class		☐ Instructor Professionally Experienced	
Course Plan							
			Theme	Goals			
1st Semester	1st Quarter	1st	Guidance				
		2nd	Communication theory				
		3rd	Communication theory				
		4th	5S action				
		5th	5S action				
		6th	History and future of technology				
		7th	History and future of technology				
		8th	Energy problem				
	2nd Quarter	9th	Energy problem				
		10th	Management				
		11th	Management				
		12th	House and enviroment				
		13th	House and enviroment				
		14th	Hood and industrial				
		15th	Hood and industrial				
		16th					
Evaluation Method and Weight (%)							
	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal	0	0	0	0	0	0	0
Basic Proficiency	0	0	0	0	0	0	0
Specialized Proficiency	0	0	0	0	0	0	0
Cross Area Proficiency	0	0	0	0	0	0	0

Oyama College		Year	2022	Course Title	Complex Analysis
Course Information					
Course Code	0008		Course Category	Specialized / Elective	
Class Format	Lecture		Credits	Academic Credit: 2	
Department	Advanced Course of General Engineering		Student Grade	Adv. 1st	
Term	First Semester		Classes per Week	2	
Textbook and/or Teaching Materials	「Kosen text series, Ouyo-Sugaku」 , 「Ouyo-Sugaku-Mondaisyu」 , MORIKITA PUBLISHING , in Japanese.				
Instructor	SATO Kohei,				
Course Objectives					
1. Understand the concepts of complex numbers, polar forms, holomorphic functions and conformal transformations, and be able to solve exercise about them. 2. Understand the concepts of Cauchy's integral theorem, Laurent series and residues, and be able to answer questions relating to them.					
Rubric					
	Ideal Level		Standard Level		Unacceptable Level
Achievement 1	Be able to clearly explain the concepts of complex numbers, polar forms, holomorphic functions and conformal transformations, and be able to accurately solve practice problems related to this.		Be able to solve practice problems related to complex numbers, polar forms, holomorphic functions and conformal transformations.		Unable to solve practice problems related to complex numbers, polar forms, holomorphic functions and conformal transformations.
Achievement 2	Be able to clearly explain the concepts of Cauchy's integral theorem, Laurent series and residues, and be able to accurately solve practice problems related to this.		Be able to solve practice problems related to Cauchy's integral theorem, Laurent series and residues.		Unable to solve practice problems related to Cauchy's integral theorem, Laurent series and residues.
Assigned Department Objectives					
JABEE (c) JABEE (C) JABEE (g)					
Teaching Method					
Outline	This course deals with holomorphic functions, extending the differentiation and integration on real numbers to complex numbers.				
Style	This is an omnibus class. The class will consist mainly of lectures, with assignments and quizzes as appropriate. The first eight lessons are worth 50 points (handled by Takahashi), and the 9th to 15th lessons are worth 50 points (handled by Sato), for a total of 100 points.				
Notice	Self-study is recommended.				
Characteristics of Class / Division in Learning					
☐ Active Learning		☐ Aided by ICT		☐ Applicable to Remote Class	
				☐ Instructor Professionally Experienced	
Course Plan					
			Theme	Goals	
1st Semester r	1st Quarter	1st	Complex Numbers, Polar Forms (Takahashi)	To be able to solve relevant questions.	
		2nd	Definition of Complex Functions (Takahashi)	To be able to solve relevant questions.	
		3rd	Basic Complex Functions (Takahashi)	To be able to solve relevant questions.	
		4th	Limits, Continuity and Differentiability of Complex Functions (Takahashi)	To be able to solve relevant questions.	
		5th	Cauchy-Riemann Equations (Takahashi)	To be able to solve relevant questions.	
		6th	Holomorphic Functions and Their Derivatives (Takahashi)	To be able to solve relevant questions.	
		7th	Exam (Takahashi)		
		8th	Integration of Complex Functions (Takahashi)	To be able to solve relevant questions.	
	2nd Quarter	9th	Cauchy's Integral Theorem (Sato)	To be able to solve relevant questions.	
		10th	Cauchy's Integral Formula (Sato)	To be able to solve relevant questions.	
		11th	Taylor Series (Sato)	To be able to solve relevant questions.	
		12th	Laurent Series (Sato)	To be able to solve relevant questions.	
		13th	Residue (Sato)	To be able to solve relevant questions.	
		14th	Residue Theorem (Sato)	To be able to solve relevant questions.	
		15th	Final Exam (Sato)		
		16th			
Evaluation Method and Weight (%)					
	Examination		Assignments, quizzes etc.		Total
Subtotal	90		10		100
Basic Proficiency	0		0		0
Specialized Proficiency	90		10		100
Cross Area Proficiency	0		0		0

Oyama College		Year	2022		Course Title	Applied Analysis	
Course Information							
Course Code	0009		Course Category		Specialized / Elective		
Class Format	Lecture		Credits		Academic Credit: 2		
Department	Advanced Course of General Engineering		Student Grade		Adv. 1st		
Term	Second Semester		Classes per Week		2		
Textbook and/or Teaching Materials							
Instructor	OKADA So, ,KUMASHIRO Shinya						
Course Objectives							
Rubric							
	Ideal Level		Standard Level		Unacceptable Level		
Achievement 1							
Achievement 2							
Achievement 3							
Assigned Department Objectives							
JABEE (c) JABEE (C) JABEE (g)							
Teaching Method							
Outline							
Style							
Notice							
Characteristics of Class / Division in Learning							
☐ Active Learning		☐ Aided by ICT		☐ Applicable to Remote Class		☐ Instructor Professionally Experienced	
Course Plan							
			Theme	Goals			
2nd Semester	3rd Quarter	1st	Okada: Laplace Transform				
		2nd	Okada: Inverse Laplace Transform				
		3rd	Okada: Laplace Transform and Differential Equations				
		4th	Okada: Step and Delta Functions				
		5th	Okada: Convolutions				
		6th	Okada: Linear Systems				
		7th	Okada: Exam				
		8th	Okada:Review Kumashiro: Periodic Functions				
	4th Quarter	9th	Takahashi: Fourier Series				
		10th	Takahashi: Fourier Series and Differential Equations				
		11th	Takahashi: Complex Fourier Series				
		12th	Takahashi: Fourier Transform				
		13th	Takahashi: Fourier Integral Theorem				
		14th	Takahashi: Exam				
		15th	Takahashi: Review				
		16th					
Evaluation Method and Weight (%)							
	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Assignments	Total
Subtotal	95	0	0	0	0	5	100
Basic Proficiency	0	0	0	0	0	0	0
Specialized Proficiency	95	0	0	0	0	5	100
Cross Area Proficiency	0	0	0	0	0	0	0

Oyama College	Year	2022	Course Title	Mathematics for Physical Chemistry and Chemical Engineering			
Course Information							
Course Code	0010	Course Category	Specialized / Elective				
Class Format	Lecture	Credits	Academic Credit: 2				
Department	Advanced Course of General Engineering	Student Grade	Adv. 1st				
Term	First Semester	Classes per Week	2				
Textbook and/or Teaching Materials							
Instructor	SAKAI Hiroshi, KASHIMA Keita						
Course Objectives							
Rubric							
	Ideal Level	Standard Level	Unacceptable Level				
Achievement 1							
Achievement 2							
Achievement 3							
Assigned Department Objectives							
学習・教育到達度目標 ③ JABEE (c) JABEE (C) JABEE (g)							
Teaching Method							
Outline							
Style							
Notice							
Characteristics of Class / Division in Learning							
☐ Active Learning		☐ Aided by ICT		☐ Applicable to Remote Class			
☐ Instructor Professionally Experienced							
Course Plan							
			Theme	Goals			
1st Semester	1st Quarter	1st	Chemical kinetics - differential equation				
		2nd	Chemical kinetics - differential equation				
		3rd	Chemical kinetics - differential equation				
		4th	Quantum chemistry - differential equation				
		5th	Quantum chemistry - determinant				
		6th	Quantum chemistry - variation theorem				
		7th	Quantum chemistry - polar coordinates system				
		8th	Exam (Physical chemistry)				
	2nd Quarter	9th	Chemical engineering 1				
		10th	Chemical engineering 2				
		11th	Chemical engineering 3				
		12th	Chemical engineering 4				
		13th	Chemical engineering 5				
		14th	Chemical engineering 6				
		15th	Chemical engineering 7				
		16th	Exam (Chemical engineering)				
Evaluation Method and Weight (%)							
	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal	0	0	0	0	0	0	0
Basic Proficiency	0	0	0	0	0	0	0
Specialized Proficiency	0	0	0	0	0	0	0
Cross Area Proficiency	0	0	0	0	0	0	0

Oyama College		Year	2022		Course Title	Applied Science	
Course Information							
Course Code		0011		Course Category		Specialized / Elective	
Class Format		Lecture		Credits		Academic Credit: 2	
Department		Advanced Course of General Engineering		Student Grade		Adv. 1st	
Term		First Semester		Classes per Week		2	
Textbook and/or Teaching Materials		歩から学ぶ基礎物理学 電磁気・原子 柴田洋一他 大日本図書					
Instructor		OTANI Masashi					
Course Objectives							
1. 電子の粒子性と波動性、光の粒子性と波動性に関する基本的な力学現象を計算出来る。 2. 代表的な原子モデルについて、電子の持つ物理量を計算できる。 3. 放射線の性質および原子核崩壊の基礎的なメカニズムを説明出来る。							
Rubric							
		理想的な到達レベルの目安		標準的な到達レベルの目安		未到達レベルの目安	
評価項目1		電子の粒子性と波動性、光の粒子性と波動性に関する基本的な力学現象を正確に計算出来る。		電子の粒子性と波動性、光の粒子性と波動性に関する基本的な力学現象を計算出来る。		電子の粒子性と波動性、光の粒子性と波動性に関する基本的な力学現象を計算出来ない。	
評価項目2		代表的な原子モデルについて、電子の持つ物理量を正確に計算できる。		代表的な原子モデルについて、電子の持つ物理量を計算できる。		代表的な原子モデルについて、電子の持つ物理量を計算できない。	
評価項目3		放射線の性質および原子核崩壊の基礎的なメカニズムを正確に説明出来る。		放射線の性質および原子核崩壊の基礎的なメカニズムを説明出来る。		放射線の性質および原子核崩壊の基礎的なメカニズムを説明出来ない。	
Assigned Department Objectives							
JABEE (A) JABEE (d-1) JABEE (g)							
Teaching Method							
Outline		原子分野の基礎部分について学ぶ					
Style		1. 授業方法は講義を中心に行う。必要に応じて、演示実験を行う。 2. 理解度を確認のため、演習問題を課題として出し、レポートの提出を求める。					
Notice		量子力学を理解するには、古典物理学の十分な理解が必要である。本科における力学、電磁気学、波動学などの基礎物理学をしっかり学習しておくこと。 量子力学入門①、②の授業は自前の講義ノートをもとに講義を行う。					
Characteristics of Class / Division in Learning							
☐ Active Learning		☐ Aided by ICT		☐ Applicable to Remote Class		☐ Instructor Professionally Experienced	
Course Plan							
			Theme		Goals		
1st Semester	1st Quarter	1st	ガイダンス（シラバス説明）電子の発見①		電場内における電子の運動（比電荷）の計算を理解する		
		2nd	電子の発見②		ミリカンの実験（電気素量の計算）を理解する		
		3rd	光の粒子性①[光電効果]		光のエネルギーと仕事関数の計算法を理解する		
		4th	光の粒子性②[コンプトン効果]		コンプトンの式の導出を理解し、コンプトン波長が計算できる		
		5th	原子核の発見		原子核の大きさの見積もりの計算法を理解する		
		6th	初期の原子モデル		トムソンモデルと長岡・ラザフォードモデルを理解する		
		7th	原子スペクトル		リュードベリの式を用いたスペクトル計算法を理解する		
		8th	ボーアモデル		振動数条件、量子条件を理解し、ボーアモデルによる電子の定常状態の計算法を理解する		
	2nd Quarter	9th	X線		特性・連続X線と、X線の干渉（ブラッグ法則）について理解する		
		10th	物質の波動性		電子波について理解し、ド・ブロイ波長の計算ができる		
		11th	中性子の発見と原子核の構造		中性子の質量計算と、原子核の原子番号・質量数について理解する		
		12th	放射性崩壊と崩壊系列		放射性崩壊の種類、半減期の計算法について理解する		
		13th	核反応と核エネルギー		質量欠損と結合エネルギーの計算について理解する		
		14th	量子力学入門①		シュレーディンガー方程式と波動関数について理解する		
		15th	量子力学入門②		自由粒子の固有関数と固有エネルギーの計算法について理解する		
		16th	定期試験		これまでの範囲を理解する		
Evaluation Method and Weight (%)							
	試験	発表	相互評価	態度	ポートフォリオ	その他	Total
Subtotal	80	0	0	0	0	20	100
基礎的能力	80	0	0	0	0	20	100

專門的能力	0	0	0	0	0	0	0
分野横断的能力	0	0	0	0	0	0	0

Oyama College		Year	2022	Course Title	特別研究 I
Course Information					
Course Code	0012		Course Category	Specialized / Compulsory	
Class Format	Experiment / Practical training		Credits	Academic Credit: 3	
Department	Advanced Course of General Engineering		Student Grade	Adv. 1st	
Term	Year-round		Classes per Week	1.5	
Textbook and/or Teaching Materials					
Instructor	SUZUKI Shin-nosuke,KOBAYASHI Yasuhiro,HIRATA Katsumi				
Course Objectives					
Rubric					
	Ideal Level		Standard Level		Unacceptable Level
Achievement 1					
Achievement 2					
Achievement 3					
Assigned Department Objectives					
JABEE (B) JABEE (d-2) JABEE (d-3) JABEE (d-4) JABEE (E) JABEE (f) JABEE (g) JABEE (h) JABEE (i)					
Teaching Method					
Outline					
Style					
Notice					
Characteristics of Class / Division in Learning					
☐ Active Learning		☐ Aided by ICT		☐ Applicable to Remote Class	☐ Instructor Professionally Experienced
Course Plan					
			Theme	Goals	
1st Semester	1st Quarter	1st	Research related a theme in the special provision		
		2nd	The same hereinafter		
		3rd			
		4th			
		5th			
		6th			
		7th			
		8th			
	2nd Quarter	9th			
		10th			
		11th			
		12th			
		13th			
		14th			
		15th			
		16th			
2nd Semester	3rd Quarter	1st			
		2nd			
		3rd			
		4th			
		5th			
		6th			
		7th			
		8th			
	4th Quarter	9th			
		10th			
		11th			
		12th			
		13th			
		14th			
		15th	Presentation session (all course)		
		16th			
Evaluation Method and Weight (%)					

	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal	0	0	0	0	0	0	0
Basic Proficiency	0	0	0	0	0	0	0
Specialized Proficiency	0	0	0	0	0	0	0
Cross Area Proficiency	0	0	0	0	0	0	0

Oyama College		Year	2022	Course Title	実務研修 I
Course Information					
Course Code	0013		Course Category	Specialized / Compulsory	
Class Format	Experiment / Practical training		Credits	Academic Credit: 2	
Department	Advanced Course of General Engineering		Student Grade	Adv. 1st	
Term	Intensive		Classes per Week		
Textbook and/or Teaching Materials					
Instructor	SUZUKI Shin-nosuke,KOBAYASHI Yasuhiro,HIRATA Katsumi				
Course Objectives					
Rubric					
	Ideal Level		Standard Level		Unacceptable Level
Achievement 1					
Achievement 2					
Achievement 3					
Assigned Department Objectives					
JABEE (B) JABEE (d-2) JABEE (d-3) JABEE (g) JABEE (h) JABEE (i)					
Teaching Method					
Outline					
Style					
Notice					
Characteristics of Class / Division in Learning					
☐ Active Learning		☐ Aided by ICT		☐ Applicable to Remote Class	☐ Instructor Professionally Experienced
Course Plan					
			Theme	Goals	
1st Semester	1st Quarter	1st	Guidance		
		2nd	Internship		
		3rd	Internship		
		4th	Internship		
		5th	Internship		
		6th	Internship		
		7th	Internship		
		8th	Internship		
	2nd Quarter	9th	Internship		
		10th	Internship		
		11th	Internship		
		12th	Internship		
		13th	Internship		
		14th	Internship		
		15th	Presentation session		
		16th			
2nd Semester	3rd Quarter	1st			
		2nd			
		3rd			
		4th			
		5th			
		6th			
		7th			
		8th			
	4th Quarter	9th			
		10th			
		11th			
		12th			
		13th			
		14th			
		15th			
		16th			
Evaluation Method and Weight (%)					

	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal	0	0	0	0	0	0	0
Basic Proficiency	0	0	0	0	0	0	0
Specialized Proficiency	0	0	0	0	0	0	0
Cross Area Proficiency	0	0	0	0	0	0	0

Oyama College	Year	2022	Course Title	Ethics of Engineers
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Course Information

Course Code	0014	Course Category	General / Compulsory
Class Format	Lecture	Credits	Academic Credit: 2
Department	Advanced Course of General Engineering	Student Grade	Adv. 2nd
Term	First Semester	Classes per Week	2
Textbook and/or Teaching Materials			
Instructor	UENO Tetsu, TAKEUCHI Kosei		

Course Objectives

In order to avoid occurrence of a contestation by misunderstanding this English version, I should not write the details of a contract about this course here. If you want to get more information about this course, see Japanese version or contact me directly.

Rubric

	Ideal Level	Standard Level	Unacceptable Level
Achievement 1			
Achievement 2			
Achievement 3			

Assigned Department Objectives

JABEE (a) JABEE (b) JABEE (D) JABEE (g)

Teaching Method

Outline	
Style	
Notice	

Characteristics of Class / Division in Learning

☐ Active Learning	☐ Aided by ICT	☐ Applicable to Remote Class	☐ Instructor Professionally Experienced
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Course Plan

			Theme	Goals
1st Semester	1st Quarter	1st		
		2nd		
		3rd		
		4th		
		5th		
		6th		
		7th		
		8th		
	2nd Quarter	9th		
		10th		
		11th		
		12th		
		13th		
		14th		
		15th		
		16th		

Evaluation Method and Weight (%)

	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal	0	0	0	0	0	0	0
Basic Proficiency	0	0	0	0	0	0	0
Specialized Proficiency	0	0	0	0	0	0	0
Cross Area Proficiency	0	0	0	0	0	0	0

Oyama College		Year	2022		Course Title	Industrial Property	
Course Information							
Course Code	0015			Course Category	Specialized / Compulsory		
Class Format	Lecture			Credits	Academic Credit: 2		
Department	Advanced Course of General Engineering			Student Grade	Adv. 2nd		
Term	First Semester			Classes per Week	2		
Textbook and/or Teaching Materials	『知的財産権制度入門』特許庁ホームページアクセス) 参考書 https://www.jpo.go.jp/torikumi/ibento/text/pdf/h30_syosinsya/all.pdf (平成 31 年 2 月 20 日アクセス)						
Instructor							
Course Objectives							
社会の発展と知的財産権の意義・関係を説明できる。 各法の特許・実用新案・商標・意匠・著作権の社会的意義を習得し、ビジネス・シーンにおける問題の意義を考察できる。							
Rubric							
			理想的な到達レベルの目安	標準的な到達レベルの目安		未到達レベルの目安	
評価項目1			社会の発展と知的財産権の意義・関係を説明でき且つ問題の抽出ができる。	社会の発展と知的財産権の意義・関係を説明できる。		社会の発展と知的財産権の意義・関係を説明できない。	
評価項目2			各法の特許・実用新案・商標・意匠・著作権の社会的意義を習得し、ビジネス・シーンにおける問題の意義を考察できる。	各法の特許・実用新案・商標・意匠・著作権の社会的意義を説明できる。		各法の特許・実用新案・商標・意匠・著作権の社会的意義を説明できない。	
評価項目3							
Assigned Department Objectives							
JABEE (a) JABEE (b) JABEE (D) JABEE (g)							
Teaching Method							
Outline	産業財産権という科目名であるが、「知的財産権」の内容で中心は産業財産権とする。 口述による講義であるが可能な限り、産業界の実例を取り上げ説明する。 この科目は、現役の弁理士である講師が、その経験を活かし、特許、知財に関する専門家として企業での経験に基づいて講義形式で授業を行う。						
Style	一方的口述が中心となるが知財に関するトピックをできるだけ取り上げディベートを試みたい。						
Notice	産業界の動向（マスコミで報道される程度）に関心をもって見聞してもらいたい。 ※R4年度は開講しない						
Characteristics of Class / Division in Learning							
☐ Active Learning		☐ Aided by ICT		☒ Applicable to Remote Class		☒ Instructor Professionally Experienced	
Course Plan							
			Theme		Goals		
1st Semester	1st Quarter	1st	社会の発展と知的財産の関係（1）		社会の発展を理解する。		
		2nd	社会の発展と知的財産の関係（2）		知的財産の発生の歴史を理解する。		
		3rd	社会の発展と知的財産の関係（3）		知的財産の種類を理解する。		
		4th	発明（1）		発明の意義を理解する。		
		5th	発明（2）		『自然法則の利用』を理解する。		
		6th	発明（3）		『技術的思想』を理解する。		
		7th	発明（4）		『創作』『高度』を理解する。		
		8th	特許手続き（1）		出願・審査手続きを理解する。		
	2nd Quarter	9th	特許手続き（2）		査定・不服申し立て手続きを理解する。		
		10th	特許手続き（3）		業務発明・職務発明を理解する。		
		11th	その他の産業財産権		実用新案・意匠・商標を理解する。		
		12th	著作権		産業財産権との異動、著作者人格権、著作隣接権の理解する。		
		13th	知的財産権のまとめ（1）		知的財産権の消滅について理解する。		
		14th	知的財産権のまとめ（2）		知的財産権の国際的協力について理解する。		
		15th	知的財産権のまとめ（3）		知的財産権の侵害とその救済について理解する。		
		16th					
Evaluation Method and Weight (%)							
	試験	発表	相互評価	態度	ポートフォリオ	その他	Total
Subtotal	20	0	0	0	0	80	100
基礎的能力	20	0	0	0	0	80	100
専門的能力	0	0	0	0	0	0	0
分野横断的能力	0	0	0	0	0	0	0

Oyama College		Year	2022		Course Title	プロジェクトデザイン	
Course Information							
Course Code	0016		Course Category		Specialized / Compulsory		
Class Format	Seminar		Credits		Academic Credit: 2		
Department	Advanced Course of General Engineering		Student Grade		Adv. 2nd		
Term	Second Semester		Classes per Week		2		
Textbook and/or Teaching Materials							
Instructor	NASU Yuki						
Course Objectives							
Rubric							
	Ideal Level		Standard Level		Unacceptable Level		
Achievement 1							
Achievement 2							
Achievement 3							
Assigned Department Objectives							
JABEE (B) JABEE (d-2) JABEE (d-3) JABEE (g) JABEE (h) JABEE (i)							
Teaching Method							
Outline							
Style							
Notice							
Characteristics of Class / Division in Learning							
☐ Active Learning		☐ Aided by ICT		☐ Applicable to Remote Class		☐ Instructor Professionally Experienced	
Course Plan							
			Theme	Goals			
2nd Semester	3rd Quarter	1st	Analyze and re-propose current electric vehicles				
		2nd	Market research, technical research				
		3rd	Target formulation				
		4th	Hypothesis setting				
		5th	Proposal for the next generation electric vehicle				
		6th	Confirmation of technology transition by roadmap				
		7th	Predicting future systems using the TRIZ "nine screen method"				
		8th	Concept presentation				
	4th Quarter	9th	Understanding the performance of electric vehicles				
		10th	Technological research on "running," "turning," and "stopping"				
		11th	Electric vehicle driving experience and concept revision				
		12th	Design work				
		13th	Create a concept sheet				
		14th	Summary of next generation electric vehicle				
		15th	Presentation				
		16th					
Evaluation Method and Weight (%)							
	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal	0	0	0	0	0	0	0
Basic Proficiency	0	0	0	0	0	0	0
Specialized Proficiency	0	0	0	0	0	0	0
Cross Area Proficiency	0	0	0	0	0	0	0

Oyama College		Year	2022	Course Title	特別研究 I I
Course Information					
Course Code	0017		Course Category	Specialized / Compulsory	
Class Format	Experiment / Practical training		Credits	Academic Credit: 11	
Department	Advanced Course of General Engineering		Student Grade	Adv. 2nd	
Term	Year-round		Classes per Week	5.5	
Textbook and/or Teaching Materials					
Instructor	SUZUKI Shin-nosuke,KOBAYASHI Yasuhiro,HIRATA Katsumi				
Course Objectives					
Rubric					
	Ideal Level		Standard Level		Unacceptable Level
Achievement 1					
Achievement 2					
Achievement 3					
Assigned Department Objectives					
JABEE (B) JABEE (d-2) JABEE (d-3) JABEE (d-4) JABEE (E) JABEE (f) JABEE (g) JABEE (h) JABEE (i)					
Teaching Method					
Outline					
Style					
Notice					
Characteristics of Class / Division in Learning					
☐ Active Learning		☐ Aided by ICT		☐ Applicable to Remote Class	☐ Instructor Professionally Experienced
Course Plan					
			Theme	Goals	
1st Semester	1st Quarter	1st	Research related a theme in the special provision		
		2nd	The same hereinafter		
		3rd			
		4th			
		5th			
		6th			
		7th			
		8th			
	2nd Quarter	9th			
		10th			
		11th			
		12th			
		13th			
		14th			
		15th			
		16th			
2nd Semester	3rd Quarter	1st			
		2nd			
		3rd			
		4th			
		5th			
		6th			
		7th			
		8th			
	4th Quarter	9th			
		10th			
		11th			
		12th			
		13th			
		14th			
		15th	Presentation session (each course)		
		16th	Presentation session (all course)		
Evaluation Method and Weight (%)					

	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal	0	0	0	0	0	0	0
Basic Proficiency	0	0	0	0	0	0	0
Specialized Proficiency	0	0	0	0	0	0	0
Cross Area Proficiency	0	0	0	0	0	0	0

Oyama College		Year	2022	Course Title	実務研修 I I
Course Information					
Course Code	0018		Course Category	Specialized / Elective	
Class Format	Experiment / Practical training		Credits	Academic Credit: 2	
Department	Advanced Course of General Engineering		Student Grade	Adv. 2nd	
Term	Intensive		Classes per Week		
Textbook and/or Teaching Materials					
Instructor	SUZUKI Shin-nosuke,KOBAYASHI Yasuhiro,HIRATA Katsumi				
Course Objectives					
Rubric					
	Ideal Level		Standard Level		Unacceptable Level
Achievement 1					
Achievement 2					
Achievement 3					
Assigned Department Objectives					
JABEE (B) JABEE (d-2) JABEE (d-3) JABEE (g) JABEE (h) JABEE (i)					
Teaching Method					
Outline					
Style					
Notice					
Characteristics of Class / Division in Learning					
☐ Active Learning		☐ Aided by ICT		☐ Applicable to Remote Class	☐ Instructor Professionally Experienced
Course Plan					
			Theme	Goals	
1st Semester	1st Quarter	1st	Guidance		
		2nd	Internship		
		3rd	Internship		
		4th	Internship		
		5th	Internship		
		6th	Internship		
		7th	Internship		
		8th	Internship		
	2nd Quarter	9th	Internship		
		10th	Internship		
		11th	Internship		
		12th	Internship		
		13th	Internship		
		14th	Internship		
		15th	Internship		
		16th	Presentation session		
2nd Semester	3rd Quarter	1st			
		2nd			
		3rd			
		4th			
		5th			
		6th			
		7th			
		8th			
	4th Quarter	9th			
		10th			
		11th			
		12th			
		13th			
		14th			
		15th			
		16th			
Evaluation Method and Weight (%)					

	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal	0	0	0	0	0	0	0
Basic Proficiency	0	0	0	0	0	0	0
Specialized Proficiency	0	0	0	0	0	0	0
Cross Area Proficiency	0	0	0	0	0	0	0