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| Toyama College | | Year | 2022 | Course Title | Thesis Research I |
| Course Information | | | | | |
| Course Code | 0031 | | Course Category | Specialized / Compulsory | |
| Class Format | Experiment / Practical training | | Credits | Academic Credit: 5 | |
| Department | Control Information Systems Engineering Course | | Student Grade | Adv. 2nd | |
| Term | First Semester | | Classes per Week | 5 | |
| Textbook and/or Teaching Materials | | | | | |
| Instructor | Shina Toru,Akiguchi Shunsuke,Matoba Ryuichi,Oguma Hiroshi,Tsukada Akira,Ito Nao,Mizumoto Iwao,Aso Tsukasa,Yoshii Yotsumi,Furuyama Shoichi | | | | |
| Course Objectives | | | | | |
| <p>Following three elements are educated as encouraging abilities of a research and development.</p> <p>1. Students can suggest, design and construct related systems such as software, hardware and network with considering a social background.</p> <p>2. Students can solve problems by their fundamental and specific knowledge.</p> <p>3. Students can present and discuss their research theme.</p> | | | | | |
| Rubric | | | | | |
| | Ideal Level of Achievement | Standard Level of Achievement | Unacceptable Level of Achievement) | | |
| (Research work 1) Backgrounds, purposes, methods, contents, results, discussion and future tasks are included. | All elements are included. | Acceptable contents. | Lacks of contents. | | |
| (Research work 2) Expression of statement, figures and tabular. | Acceptable expression. | Almost acceptable expression. | Unacceptable and lack of expression. | | |
| (Research work 3) The expression of backgrounds and purposes. | Acceptable expression. | Almost acceptable expression. | Unacceptable and lack of expression. | | |
| (Research work 4) Methodology | Acceptable methodologies. | Almost acceptable methodologies. | Unacceptable methodologies. | | |
| (Research work 5) Logical Structure | Reasonable logical structure. | Almost reasonable structure. | Not reasonable logical structure. | | |
| (Research work 6) Critical Thinking | Reasonable discussion. | Almost reasonable discussion. | Unacceptable discussion. | | |
| (Research work 7) Validity of results | Cleared and valid results are expressed. | Almost valid results are expressed. | Unacceptable results. | | |
| (Research work 8) Future works | Valid future plan and schedule. Clear solutions are provided. | Acceptable plan and schedule. | Unacceptable plan. | | |
| (Presentation 1) (1)Background | Reasonable structure. | Acceptable structure | Unacceptable structure | | |
| (Presentation 2) Suitable expression of sentences and figures. | Reasonable sentences and figures. | Acceptable sentences and figures | Unacceptable sentences and figures | | |
| (Presentation 3) Logical structure | Reasonable logical structure | Almost reasonable structure | Not reasonable logical structure | | |
| Assigned Department Objectives | | | | | |
| ディプロマポリシー C-3 JABEE C3 | | | | | |
| Teaching Method | | | | | |
| Outline | <p>For special research topics related to the same control information system through major departments 1 and 2 years, under the supervisor, acquire the method of literature survey, experimental / theoretical analysis method, evaluation method, and nurture research promotion ability. In line with each concrete theme, increase the comprehensive research capability through investigation and education of required knowledge necessary for application, application to problem solving, analysis and evaluation of the results obtained. We will summarize and present the research results we have worked on in Special Study I.</p> <p>[Control] C3 [JABEE Standard 1 (2)] (f) (g)</p> | | | | |
| Style | In each laboratory, conduct research under the guidance of the main deputy supervisor advisor. Classification method, multiple faculty charge method | | | | |
| Notice | <p>To undertake subjectively and systematically on issues under the supervisor.</p> <p>One chief examiner and two sub-investigators comprehensively evaluated the content of the thesis, the contents of the presentation and the status of activities based on the evaluation criteria table (total table instructions), with a paper evaluation of 50%, a presentation evaluation of 30%, an effort status of 20% , Pass score over 60 points.</p> | | | | |
| Characteristics of Class / Division in Learning | | | | | |
| <input checked="" type="checkbox"/> Active Learning | <input checked="" type="checkbox"/> Aided by ICT | <input checked="" type="checkbox"/> Applicable to Remote Class | <input type="checkbox"/> Instructor Professionally Experienced | | |
| Course Plan | | | | | |
| | | Theme | Goals | | |

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| 1st Semester | 1st Quarter | 1st | Special Research | Study in the field of specialization necessary for research subject (Evaluation, Discussion, Re-Implementation, Improvement, Testing, Report) |
| | | 2nd | Special Research | Study in the field of specialization necessary for research subject (Evaluation, Discussion, Re-Implementation, Improvement, Testing, Report) |
| | | 3rd | Special Research | Study in the field of specialization necessary for research subject (Evaluation, Discussion, Re-Implementation, Improvement, Testing, Report) |
| | | 4th | Special Research | Study in the field of specialization necessary for research subject (Evaluation, Discussion, Re-Implementation, Improvement, Testing, Report) |
| | | 5th | Special Research | Study in the field of specialization necessary for research subject (Evaluation, Discussion, Re-Implementation, Improvement, Testing, Report) |
| | | 6th | Special Research | Study in the field of specialization necessary for research subject (Evaluation, Discussion, Re-Implementation, Improvement, Testing, Report) |
| | | 7th | Special Research | Study in the field of specialization necessary for research subject (Evaluation, Discussion, Re-Implementation, Improvement, Testing, Report) |
| | | 8th | Special Research | Study in the field of specialization necessary for research subject (Evaluation, Discussion, Re-Implementation, Improvement, Testing, Report) |
| | 2nd Quarter | 9th | Special Research | Study in the field of specialization necessary for research subject (Evaluation, Discussion, Re-Implementation, Improvement, Testing, Report) |
| | | 10th | Special Research | Study in the field of specialization necessary for research subject (Evaluation, Discussion, Re-Implementation, Improvement, Testing, Report) |
| | | 11th | Special Research | Study in the field of specialization necessary for research subject (Evaluation, Discussion, Re-Implementation, Improvement, Testing, Report) |
| | | 12th | Special Research | Study in the field of specialization necessary for research subject (Evaluation, Discussion, Re-Implementation, Improvement, Testing, Report) |
| | | 13th | Special Research | Study in the field of specialization necessary for research subject (Evaluation, Discussion, Re-Implementation, Improvement, Testing, Report) |
| | | 14th | Special Research | Study in the field of specialization necessary for research subject (Evaluation, Discussion, Re-Implementation, Improvement, Testing, Report) |
| | | 15th | Special Research | Study in the field of specialization necessary for research subject (Evaluation, Discussion, Re-Implementation, Improvement, Testing, Report) |
| | | 16th | Special Research | Study in the field of specialization necessary for research subject (Evaluation, Discussion, Re-Implementation, Improvement, Testing, Report) |

Evaluation Method and Weight (%)

| | Examination | Presentation | Mutual Evaluations between students | Behavior | Portfolio | Other | Total |
|--------------|-------------|--------------|-------------------------------------|----------|-----------|-------|-------|
| Subtotal | 100 | 0 | 0 | 0 | 0 | 0 | 100 |
| Report | 30 | 0 | 0 | 0 | 0 | 0 | 30 |
| Presentation | 50 | 0 | 0 | 0 | 0 | 0 | 50 |
| Effort | 20 | 0 | 0 | 0 | 0 | 0 | 20 |