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| Akashi College                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Year                                  | 2022                                                                                                                                     | Course Title                                                                    | Off-Campus Practical Training                                                                                                               |
| Course Information                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                       |                                                                                                                                          |                                                                                 |                                                                                                                                             |
| Course Code                                                                                                                                                                                                                                                                                | 4014                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                       | Course Category                                                                                                                          | Specialized / Compulsory                                                        |                                                                                                                                             |
| Class Format                                                                                                                                                                                                                                                                               | Practical training                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                       | Credits                                                                                                                                  | School Credit: 2                                                                |                                                                                                                                             |
| Department                                                                                                                                                                                                                                                                                 | Mechanical and Electronic System Engineering                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                       | Student Grade                                                                                                                            | Adv. 1st                                                                        |                                                                                                                                             |
| Term                                                                                                                                                                                                                                                                                       | Year-round                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                       | Classes per Week                                                                                                                         | 前期:2 後期:2                                                                       |                                                                                                                                             |
| Textbook and/or Teaching Materials                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                       |                                                                                                                                          |                                                                                 |                                                                                                                                             |
| Instructor                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                       |                                                                                                                                          |                                                                                 |                                                                                                                                             |
| Course Objectives                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                       |                                                                                                                                          |                                                                                 |                                                                                                                                             |
| (1) Can experience some of the actual technical activities at the host companies and work on solving problems with the necessary assistance.<br>(2) Can work collaboratively in the assigned workplaces and think freely.<br>(3) Can report effectively what has been learned empirically. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                       |                                                                                                                                          |                                                                                 |                                                                                                                                             |
| Rubric                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                       |                                                                                                                                          |                                                                                 |                                                                                                                                             |
|                                                                                                                                                                                                                                                                                            | Ideal Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                       | Standard Level                                                                                                                           |                                                                                 | Unacceptable Level                                                                                                                          |
| Achievement 1                                                                                                                                                                                                                                                                              | Can experience some of the actual technical activities at the host companies and actively work on solving problems with the necessary assistance.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                       | Can experience some of the actual technical activities at the host companies and work on solving problems with the necessary assistance. |                                                                                 | Cannot experience some of the actual technical activities at the host companies and work on solving problems with the necessary assistance. |
| Achievement 2                                                                                                                                                                                                                                                                              | Can work collaboratively in the assigned workplace and actively think freely.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                       | Can work collaboratively in the assigned workplace and think freely.                                                                     |                                                                                 | Cannot work collaboratively in the assigned workplace and think freely.                                                                     |
| Achievement 3                                                                                                                                                                                                                                                                              | Can effectively and appropriately report what has been learned empirically.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                       | Can effectively report what has been learned empirically.                                                                                |                                                                                 | Cannot effectively report what has been learned empirically.                                                                                |
| Assigned Department Objectives                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                       |                                                                                                                                          |                                                                                 |                                                                                                                                             |
| Teaching Method                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                       |                                                                                                                                          |                                                                                 |                                                                                                                                             |
| Outline                                                                                                                                                                                                                                                                                    | This course is set up as part of an introduction for an internship and sandwich system. The aim is to gain a sense of practical technology through technical experience in companies or government agencies, etc., and to use the results obtained from technical experience in learning.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                       |                                                                                                                                          |                                                                                 |                                                                                                                                             |
| Style                                                                                                                                                                                                                                                                                      | Follow the host company instructor's instructions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                       |                                                                                                                                          |                                                                                 |                                                                                                                                             |
| Notice                                                                                                                                                                                                                                                                                     | Read the Akashi Kosen Graduate Study Internship Guidelines carefully, and closely communicate with the department principal or with the faculty of basic engineering research or special research. During the internship period, students should actively try to acquire technical and other skills, and dress and use language that is appropriate for an intern. The internship period shall be at least 10 working days during the summer holidays, etc. The graduate study internship may include up to 15 hours of preliminary guidance (manner lesson, preliminary research on the host company), debrief sessions, and time for preparing reports, with a total of 90 hours.<br>If it is determined that conducting the internship at a company or other institution will be difficult due to things like social circumstances, and if it is necessary to provide reasonable consideration for students, the internship will be replaced with research on companies, etc., related to the field of graduate study. In that case, the evaluation will consist of an evaluation by research advisers for students' research on companies, etc. (30%), the research report (30%), and outcomes debrief session results (40%). In the Course Objectives and Aims and the Rubric Evaluation items, the following items should be replaced as follows:<br>(1) "Experience some of the actual technical activities at the host companies, etc." as "conduct research and study using the specified methods of the companies, etc., of research target and to obtain advice from the members or supervising faculty member of research there."<br>(2) "Work collaboratively in the assigned workplace" as "contribute to the activities of company of target research."<br>(3) "What has been learned empirically" as "one's own research result." |                                       |                                                                                                                                          |                                                                                 |                                                                                                                                             |
| Characteristics of Class / Division in Learning                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                       |                                                                                                                                          |                                                                                 |                                                                                                                                             |
| <input checked="" type="checkbox"/> Active Learning                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <input type="checkbox"/> Aided by ICT |                                                                                                                                          | <input checked="" type="checkbox"/> Applicable to Remote Class                  | <input type="checkbox"/> Instructor Professionally Experienced                                                                              |
| Course Plan                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                       |                                                                                                                                          |                                                                                 |                                                                                                                                             |
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| 1st Semester                                                                                                                                                                                                                                                                               | 1st Quarter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1st                                   | Guidance                                                                                                                                 | Reminders about precautions of internship and manners at the host company, etc. |                                                                                                                                             |
|                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2nd                                   | Internship                                                                                                                               | Get individual technical experience at the host company.                        |                                                                                                                                             |
|                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3rd                                   | Same as above                                                                                                                            | Same as above                                                                   |                                                                                                                                             |
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|                                                                                                                                                                                                                                                                                            | 2nd Quarter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 9th                                   | Same as above                                                                                                                            | Same as above                                                                   |                                                                                                                                             |
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|              |             |      |                            |                                                            |
|--------------|-------------|------|----------------------------|------------------------------------------------------------|
| 2nd Semester |             | 14th | Same as above              | Same as above                                              |
|              |             | 15th | Same as above              | Same as above                                              |
|              |             | 16th | No final exam              |                                                            |
|              | 3rd Quarter | 1st  | Same as above              | Same as above                                              |
|              |             | 2nd  | Same as above              | Same as above                                              |
|              |             | 3rd  | Same as above              | Same as above                                              |
|              |             | 4th  | Same as above              | Same as above                                              |
|              |             | 5th  | Same as above              | Same as above                                              |
|              |             | 6th  | Same as above              | Same as above                                              |
|              |             | 7th  | Same as above              | Same as above                                              |
|              | 4th Quarter | 8th  | Same as above              | Same as above                                              |
|              |             | 9th  | Same as above              | Same as above                                              |
|              |             | 10th | Same as above              | Same as above                                              |
|              |             | 11th | Same as above              | Same as above                                              |
|              |             | 12th | Same as above              | Same as above                                              |
|              |             | 13th | Same as above              | Same as above                                              |
|              |             | 14th | Same as above              | Same as above                                              |
|              |             | 15th | Internship debrief session | A presentation on the overall outcomes of the internship . |
|              |             | 16th | No final exam              |                                                            |

#### Evaluation Method and Weight (%)

|                         | Evaluation of the training destination | Report | Debriefing session | Total |
|-------------------------|----------------------------------------|--------|--------------------|-------|
| Subtotal                | 30                                     | 30     | 40                 | 100   |
| Basic Proficiency       | 0                                      | 0      | 0                  | 0     |
| Specialized Proficiency | 30                                     | 30     | 40                 | 100   |
| Cross Area Proficiency  | 0                                      | 0      | 0                  | 0     |