

Course Subject : Research Internship	Number of Credits : 2	Instructor : Academic Advisor
Major, Area of Specialization : General Course (for Ph.D. Students)		
Course Objectives : <p>The course aims to help students gain first-hand experience of applied research processes at companies and research institutes featuring cutting-edge studies and technologies; to acquire the skills needed by competent researchers, engineers, and consultants in work related to the application of science and technology; and to understand the relationship between the technology/knowledge necessary for such work and the studies/academic theories of the graduate school. The goal is to give a clear understanding of the related theories and application/practical work in the relevant fields.</p> <p>Students will acquire the capacity to:</p> <ol style="list-style-type: none"> 1. promote teamwork on the job; 2. acquire task-fulfillment and time-management abilities within a short space of time and take related action; 3. establish mutual communications as required and create personal networks among professionals; and 4. work together with consumers, the general public, and other people with different goals and interests in the complex society outside the pure research/education setting of the graduate school. <p>To achieve these goals, students will engage in practical on-the-job activities under supervision, use reference materials presented by instructors or on-the-job trainers as necessary, engage in discussions, and prepare reports and portfolios.</p>		
Course Outline : <p>On-the-job training is provided by companies, research institutes and other workplaces that use cutting-edge technologies. Instructors also give pre- and post-training orientation and technical guidance.</p> <p>Students choose companies, research institutes or government offices with fields of application related to their research subjects through consultation with instructors. After clearly identifying their internship goals, they undergo training with and receive assessment from their supervisors in the workplace. After the internship, they review the experience with reference to their original goals, hold meetings with instructors on their future research and careers, and make clear and concise presentations on their internship experiences at debriefing sessions.</p>		
Course Content : <p>Internship destinations shall be approved by instructors after adequate consultation. Internships shall run for a total minimum period of two weeks, in principle, during the summer or winter holidays. Students will keep a journal on the details of training during the internship. Assessment by the instructors in charge will be made based on this journal, which shall be submitted along with the report to be written, and on the debrief session to be held after the internship.</p> <p>• Preliminary orientation</p> <ol style="list-style-type: none"> 1. Selection and overview of the internship destination and self-evaluation of career awareness (report) 2. Approval of the internship destination, self-introduction and explanation of the purposes of the internship to the receiving party, and understanding of precautions to be taken in the workplace 		

3. Clarification of the nature of the employer, customers, etc. at the internship destination
4. Creation of organization and work charts relating to the internship destination
5. Preparation of a portfolio
- **Internship (to run for a total minimum period of two weeks or 56 hours)**
6. Maintenance of a journal during the internship
7. Acquisition of applied research skills and recording of related processes in the journal
8. Discussions with researchers, employees, customers, and other parties receiving services at the workplace, and recording of the findings in the journal
9. Recording/analysis of work plans, progress, and results
10. Meetings with and assessment by the leader/person in charge of the internship destination
- **Post-guidance/debriefing session**
11. Summary of the journal and records, and production of a post-internship report
12. Clear and concise presentation of the internship experience at a debriefing session
13. Summary of the internship results in a portfolio

Textbooks and/or Other Study Materials :

None.

Reference :

None.

Grading Policy :

Comprehensive assessment will be made based on the various reports, presentations, and other aspects of the internship.