

Graduation Study

Syllabus Number

3G401

Basic Major Subjects

Requisites 6 credit

Each Staff

1. Course Description

This course deals with extensive activities in the laboratory as follows:

- Literature reviewing.
- Setting the research theme appropriately according to the literature reviewing.
- Designing the research project.
- Promoting voluntary and continuous research activities.
- Obtaining techniques and skills to solve the problems.
- Seminars to enhance knowledge necessary for the research activities.
- Summarizing the research results.
- Preparing the presentation of the research results.

Three presentation conferences (progress of the research project, interim, and final) will be held by oral presentation.

The research results will be summarized for a graduation thesis.

This course aims to obtain the following abilities DP2, DP4C, DP4M, and DP4E described in the diploma policies of the department of Information and Electronic Engineering through the extensive activities in the laboratory.

2. Course Objectives

According to the diploma policies of the department, students will be able to obtain the research process, the research techniques, and voluntary and continuous studying abilities through the extensive activities in the laboratory.

In the presentation conference for the progress of the research project, students will obtain oral presentation techniques and manners of the audience.

In the interim presentation conference, students will obtain oral presentation methods for the research results and manners of the audience.

In the final presentation conference, students will obtain oral presentation techniques for the research results and communication skills in a presentation conference.

By writing graduation thesis, students will obtain the abilities to organize the research results and to compose the logical writings.

According to the above, students will obtain the following aims in the study objectives to attain of the course of information science in the department of Information and Electronic Engineering:

(2-4) Ability of oral presentation uncomplicatedly.

(2-5) Ability to compose technical writings following the rules.

(7-1) Understanding the importance of obtaining the knowledge and techniques continuously and ability to study voluntarily.

The above correspond the items of medium classification (2-4), (2-5), and (7-1) of the study objectives to attain of the JABEE-compliant program.

3. Grading Policy

The overall grade in the course will be decided based on the followings:

The basic points of 60 will be given to each student according to the evaluation of advising teacher for all the presentations and proceedings of the three presentation conferences (progress of the research project, interim, and final) and the graduation thesis of the student.

If the basic point 60 is given, 40 points will be added according to the evaluation of advising teacher for activities inside the laboratory and outside, and the various deliverables, and the overall evaluating points sum to 100.

Each advising teacher advises a student in his or her laboratory according to his or her ability and will.

Students must submit their answers or exercises by the due date, and the teacher will evaluate them.

Furthermore, each student will be questioned and commented in a question and answer session during his or her presentation in the conferences.

4. Textbook and Reference

Textbook

Each student must prepare the textbooks according to the advising teacher.

Reference

Each student must prepare the reference documents according to the advising teacher.

5. Requirements(Assignments)

The advising teacher individually directs the preparations and reviews corresponding to the activities in the laboratory.

For the preparations, research documents will be distributed according to the individual progress status, and the student is individually required to review and summarize the documents by the due date.

For the reviews, the student is individually required to re-examine the created coding and the experimental results, and to organize the issues and the future plans by the due date.

6. Note

The advising teacher will prepare teaching materials according to the activities of the laboratory. The extensive activities in the laboratory indicated in Section 7. Please follow the schedule. The detailed schedule of the three presentations are conferences (progress of the research project (in July), interim (in November), and final (in February)). The submission due date of the graduation thesis will be announced by the advising teacher. Students are encourage to have enough time to accomplish excellent research results.

This course is compulsory in the JABEE-compliant program, and corresponds to the items of medium classification (2-4), (2-5), and (7-1) of the study objectives to attain of the JABEE-compliant program.

7. Schedule

Extensive activity in the laboratory (from April to February):

- Literature reviewing.
- Setting the research theme appropriately according to the literature reviewing.
- Designing the research project.
- Promoting voluntary and continuous research activities.
- Obtaining techniques and skills to solve the problems.
- Seminars to enhance knowledge necessary for the research activities.
- Summarizing the research results.
- Preparing the presentation of the research results.

Presentation conference for the progress of the research project (in July):

- Students will obtain oral presentation techniques and manners of the audience.
- Students will reexamine their research themes and plans with reference to the reviews.

Interim presentation conference (in November):

- Students will obtain oral presentation methods for the research results and manners of the audience.
- Students will reexamine their research contents and procedures with reference to the reviews.

Final presentation conference (in February):

- Students will obtain oral presentation techniques for the research results and communication skills in a presentation conference.
- Students will reconsider their research problems with reference to the reviews.

Writing graduation thesis

- Students will obtain the abilities to organize the research results and to compose the logical writings.
- Students will organize the research results and the future problems as the graduation thesis.

The followings are omitted.