Module Description

Module name	Course Module
Module level, if applicable	Bachelor of Electrical Engineering
Code, if applicable	5005-402-4
Subtitle, if applicable	-
Course, if applicable	Thesis (Skripsi)
Semester(s) in which the module istaught	8th (even semester)
Person responsible for the module	Lecturer of Course
Lecturer	Lecturer with assignment from electrical department
Language	Indonesian
Relation to Curriculum	This course is compulsory subject course that must be taken to complete studies and get a bachelor's degree
Type of teaching, contact hours	**Teaching methods used in this course are:** - Direct lecture at least 16 times before thesis exam **Contact hours for lecture is 181 hours**
Workload	1. For this course, students are required to meet a minimum of 181 hours consultation in maximum two semester 2. Students have to compile a scientific description of the results of the studies mentioned above in the form of a thesis or final project report
Credit points	4 credit points (equivalent with 6 ECTS)
Requirements according to the examination regulations	Students who take the thesis must meet the following requirements: 1. Have completed a minimum of 130 credits of study load. 2. Have a minimum GPA of 2.76 3. Meet the requirements that have been determined by the study program. 4. For students who propose proposals in the 12th or 13th semester, the number of credits that have passed is 143 credits. Requirements for the appointment of a supervisor: 1. As many as 2 (two) thesis supervisors, each supervisor is tasked with guiding from the material aspect (scientific substance) and research methodology. 2. Lecturers are permanent or have NIDK and have competencies that are relevant to the problems studied/written by students. 3. Minimum educational qualification of S-2

	4. Have competence in thesis writing techniques, research methodologies, and scientific substance that are relevant to the problems studied by students, based on groups of areas of expertise.
Recommended prerequisites	-
Module objectives/intended learning outcomes	After completing the course and given with this case: **Course Learning Objectives (CLO):** 1. Students are able to understand well scientific writing, starting from problem formulation, research methodology, to making conclusions (15) 2. Students are able to carry out library searches so that repetition does not occur (15) 3. Students participate actively, are responsible, and have the motivation to develop themselves (30) 4. Students have the ability to communicate effectively both in written and oral form, think critically and make the right decisions (40)
Content	**Students will learn about:** Thesis course is a study rounding course, which is a course that is opened for students in order to take their final assignment independently. Students understand and are able to apply the basic concepts of research. Students are led to be able to make research proposals by conducting: problem analysis of a condition (background of the problem), identification of problems, problem boundaries, problem formulation, research objectives. Then proceed with a literature review, review relevant research, create a problem-solving thinking framework, and propose a temporary problem solving (hypothesis) or ask more detailed research questions. After that, it was continued with the selection of research methods, population and research samples, data collection instruments, and data analysis techniques that were in accordance with the existing problem formulation. If the research instrument is ready, students can carry out research, analyze data, interpret the results of data analysis, make conclusions, and report research results in the form of a Thesis Final Project. Thesis Final Project is prepared according to the correct writing rules, guided by 2 lecturers and free from plagiarism.
Forms of Assessment	Assessment is carried out based on learning process, guidance process and performance at thesis exam

Study and examination requirements and forms of examination	**Study and examination requirements:** The final value of the thesis is obtained from the results of the assessment of the thesis script and the student's performance during the exam. 1. The components of the thesis assessment include: a. Structure / logic of writing. b. The depth and breadth of relevant scientific theory. c. Relevance of theory to the problem. d. Theoretical arguments in the preparation of the framework of thinking. e. Data collection techniques/validity of data analysis instruments. f. Originality. g. Discussion of research results, drawing conclusions and submitting suggestions. h. Presentation of material and use of language at the time of the exam. 2. The components of the thesis assessment include: innovation, productivity and usefulness of report writing. 3. The final score of the thesis is based on the following criteria: a. Determination of the score using a scale of 100. b. The scoring of the thesis test results is based on the assessment criteria listed in the thesis guide book c. The difference in value between the examiner and the supervisor is not more than 10 points. d. The chief examiner leads the deliberation to determine the final score for the thesis exam after the exam ends e. Students are declared to have passed the thesis exam if: - The thesis being tested is the result of an authentic work that was created and completed by yourself. - Obtain a minimum grade of B. - Has corrected the thesis according to the advice of the examiners as evidenced by the signing of the thesis manuscript on the validation page by all members of the examination committee until the deadline for the determination of the judiciary. f. A student is declared not to have passed the thesis if: - Improvement of the thesis draft beyond the specified time limit - There is evidence that the written thesis is a duplication, plagiarism, or translation of the work of others. **Forms of examination:** Final assignment guidance form
Media employed	Direct Whiteboard, Power Point Presentation, E-mail, Zoom Meeting

Reading list	Thesis Guidebook for the Faculty of Engineering, State University of Jakarta. 2019. https://ft.unj.ac.id/wp-content/uploads/2020/05/Panduan-Skripsi-2019-Mart20-rev.pdf