



THE MODULE HANDBOOK

FACULTY OF BIOLOGY

Thesis

Module code	BIO 40099IUP
Module level	4 th year of Undergraduate Program in Biology
Abbreviation, if applicable	-
Sub-heading, if applicable	-
Courses included in the module, if applicable	-
Semester/term	Odd
Module coordinator(s)	Appointed based on student thesis topic
Lecture(s)	1.
Language	English
Classification within the Curriculum	Compulsory
Teaching format/class hours per week during the semester	Research
Workload	Estimated working hour: 21 hours/week
Credit points	0-6 credits
Requirements	BIE 30097IUP (min "D"), BIE 30098IUP (min "D") , ≥100 SKS, without E
Learning goals/competencies	<p>1. Knowledge and understanding</p> <ul style="list-style-type: none">a. The principles and theories related to the field of study of the thesis.b. The basic procedure in the design of experiments/ research to be conducted and capable to explain it. <p>2. Ability/intellectual skill</p> <ul style="list-style-type: none">a. Planning, executing and reporting a basic procedure in the experimental design/research to be conducted.b. Analyze and solve a problem and develop the experimental design/research undertaken. <p>3. Practical skill</p> <ul style="list-style-type: none">a. Plan and carry out experiments/research.b. Design and use the laboratory equipment.c. Analyze the results of the experiment/research, especially regarding the failure and how to solve it.d. Using scientific literature correctly.e. Create and present a scientific research report.



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	<p>4. Managerial and transferable skill</p> <ol style="list-style-type: none">Conducting the effective communication (written, oral, and image).Implement and integrate the field of study for the course of thesis in Biological Science and branches.Using communication and information technology effectively.Set the time resources effectively and efficiently.Learn independently and effectively to pursue professional development work. <p>5. Attitude</p> <ol style="list-style-type: none">Being able to anticipate the problems and find the solution of the problem related to the experiment / research of thesis.Have a curiosity.Sensitive on the changes and the problems of the experiment / research and try to solve them.
Content	Thesis is the subject collates the scientific paper on the research (experimental or scientific observation) should be done by the students, which is not set, quotation or literature study. The theme of thesis is a branch of biology that can be taken from the compulsory or options subjects and should be in accordance with the field of study that was raised by Supervisor.
Study/exam achievements	-
Forms of media	-
Literature	-