

Module designation	Undergraduate Thesis
Module level, if applicable	Undergraduate
Code, if applicable	PBIOUM6100
Subtitle, if applicable	-
Courses, if applicable	-
Semester(s) in which the module is taught	Odd / Even Semester
Person responsible for the module	Siti Imroatul Maslikah, M.Si
Lecturer	Siti Imroatul Maslikah, M.Si
Language	Bahasa Indonesia
Relation to curriculum	Undergraduate degree program, compulsory, 7th/ 8th semester.
Type of teaching, contact hours	Undergraduate degree program: Problem-based learning, discussion, presentation: 4 x 100 = 400 minutes
Workload	182 hours
Credit points	4 credit points (~6 ECTS-eq)
Requirements according to the examination regulations	-
Recommended prerequisites	PBIOUM6207 Seminar in Biology Education
Module objectives/intended learning outcomes	Students are able to: (LO6) Possess a skill in solving various educational and learning problems through studies and/or research to innovate education and biology learning and develop an entrepreneurial spirit according to the needs of the 21st century.
Course Learning Outcome	Applying technology in the field of Biology Education (according to the field of interest) to produce accurate and accountable data for the purposes of prognosis, diagnosis and problem solving in the field of Biology Education (according to the field of interest) through a research-based approach.
Content	This course covers the following main topics: <ul style="list-style-type: none"> <li>● finding, formulating problems, and examining theoretically along with choosing the appropriate problem-solving method</li> <li>● Developing research instrument and conducting research</li> <li>● Conducting data analysis and writing the report</li> <li>● Communicating the research result in the form of thesis defense and writing the research result in a journal.</li> </ul>

Learning Activity	Week 1	Identifying problems in learning biology at school
	Week 2	Identifying problems in learning biology at school
	Week 3	Identifying problems in learning biology at school
	Week 4	Identifying problems in learning biology at school
	Week 5	Identifying problems in learning biology at school
	Week 6	Identifying problems in learning biology at school
	Week 7	Identifying problems in learning biology at school
	Week 8	Identifying problems in learning biology at school
	Week 9	Designing biology learning problem solving
	Week 10	Designing biology learning problem solving
	Week 11	Designing biology learning problem solving
	Week 12	Designing biology learning problem solving
	Week 13	Designing biology learning problem solving
	Week 14	Designing biology learning problem solving
	Week 15	Designing biology learning problem solving
	Week 16	Designing biology learning problem solving
Study and examination requirements and forms of examination	Writing process, quality of the work, performance in the oral defense	
Media employed	Slide show, video, whiteboard, and moodle (Sipejar)	
Reading list	<ol style="list-style-type: none"> <li>1. Saukah, A. 2017. Pedoman Penulisan Karya Ilmiah. Malang : UM Press.</li> <li>2. Journals published in the last 10 years.</li> </ol>	
Date of last amendment made	January, 2022	