

## Research Methodology

Module name	Research Methodology					
Module level	3rd year of Bachelor Program					
Abbreviation, if applicable	-					
Sub-heading, if applicable	-					
Courses included in the module, if applicable	BI3001 Research Methodology					
Semester/term	6th semester					
Module coordinator(s)	Dr. Tjandra Anggraeni					
Lecturer(s)	Dr. Tjandra Anggraeni					
Language	Indonesian					
Classification within the Curriculum	Compulsory courses for Bachelor Program in Biology					
Teaching format/ class hours per week during the semester	Class consists of 60 students Lecture, group discussion (4-5 students), presentation (per student) : 2 hours x 14 weeks Exam = 2 hours / semester Assignment / homework = 2 hours x 16 weeks Independent study = 2 hours x 16 weeks					
Workload	Total Workload	96 hours; 2 CU				
		Face to face teaching	Structured Activities	Independent study	Exam	Total
	Lecture	28	32	32	4	96
Credit points	2 CU					
Requirements	All compulsory courses from 1st till 5th semester					
Content	<ul style="list-style-type: none"> <li>• Definition, characteristics, and types of Research</li> <li>• Formulating the Research Problem</li> <li>• Extensive Literature Review</li> <li>• Developing the objectives</li> <li>• Preparing the Research Design including Sample Design</li> <li>• Collecting the Data</li> <li>• Analysis of Data</li> <li>• Generalisation and Interpretation</li> <li>• Preparation of the Report or Presentation of Results-Formal write ups of conclusions reached.</li> </ul>					
Learning goals/ competencies	<i>After completion of this module, students are expected to be able to :</i> Knowledge : <ul style="list-style-type: none"> <li>• Describe the definition, the characteristics, and the types of Research</li> <li>• Explain the process of research</li> </ul> Skill : <ul style="list-style-type: none"> <li>• Develop a biological research proposal</li> <li>• Present their research result in both oral and writing report</li> </ul> Competence : Apply their knowledge to develop other research proposal including the presentation of the result					
Study/exam achievements	Quiz : 10 % Presentation : 20 % Research proposal : 35 % Final exam : 35 %					
Forms of media	Classical teaching tools : blackboard; powerpoint – LCD					
Literature	Walliman, N. 2001. Your Research Project : a step-by-step guide for the first-time researcher. Sage Publications. London.					

