THE MODULE HANDBOOK
DOCTOR BIOLOGICAL SCIENCES STUDY PROGRAM
FACULTY OF BIOLOGY

DISSERTATION RESEARCH I

Course code	BIDB203204
Course level	Doctoral Program (By Research)
Semester/ term	Odd/even
Course coordinator	Study Program Head
Lecture(s)	Doctoral candidate's Promoter Doctoral candidate's co-Promoter Examiners
Language	Indonesian/English
Classification within the Curriculum	Compulsory
Teaching format/ class hours per week during the semester	Research based learning This course is planned to have 16 weeks/semester for preparation and 2 weeks of examination.
Workload	7,09 hours/day 5 days/week 35,47 hours/week 16 Weeks/Semester total workload : 567,5 hours/22,7 ECTS
Credits	4 SKS/ 22.7 ECTS
Requirements	Passing the comprehensive exam.
Program Learning Outcome	CPL 2.1. After attending this program, graduates demonstrate an understanding of the scientific philosophy of biology which is related in depth to structure, function, diversity, reproduction, evolution and engineering of biological systems CPL 3.3. After completing this program, the graduates will be able to managing and formulating valid and accountable research data by upholding academic integrity and prioritizing anti-plagiarism CPL 4.1. After participating in this program, graduates will be able to deepen and expand knowledge in the field of biology to produce models or methods or develop theories that are original, tested and innovative through research with an

	interdisciplinary, multidisciplinary or transdisciplinary approach; CPL 4.2. After participating in this program, graduates will be able to propose new solutions or recommend proposed solutions to solve biological resource problems in a sustainable manner through an interdisciplinary or multidisciplinary approach to fund deduction or induction
Course Learning Outcome	BIDB203204.1 By the end of this course, student will be able to Mastery of advanced research methodologies in the student's field of study. BIDB203204.2 By the end of this courses, students will be able to to design and implement experiments or studies that address key scientific questions. BIDB203204.3 By the end of this course, the students will be able to have competence in presenting research progress and responding to constructive feedback..
Course Description	The Research I course aims to monitor and guide students in conducting the initial stages of their dissertation research, as outlined in the approved proposal. Students will focus on collecting and analyzing preliminary data according to the established methodology. Discussions in this course include strategies for data collection, the application of statistical or qualitative analysis methods, and the interpretation of preliminary research findings. The course also supports students in preparing to publish their initial research results in scientific journals.
Assessments	The assessment for Dissertation Research I is based on two main components, with the respective criteria and weights: A. Participatory Activity (30%) • Structured Asignment/Task (20%) • Participation (10%). B. Project (70%) • Project Result (80%)
Study Media and Literature	• Research methodology books relevant to the student's field of study • Recent scientific articles related to the research topic • International journals targeted for research publication