



THE MODULE HANDBOOK
DOCTOR BIOLOGICAL SCIENCES STUDY PROGRAM
FACULTY OF BIOLOGY

SELECTED TOPIC FOR DISSERTATION

Capita Selecta

Course code	BIDB203103
Course level	Doctoral Program
Semester/ term	Odd/even
Course coordinator	Dr. Rury Eprilurahman, S.Si., M.Sc.
Lecture(s)	Dr. Rury Eprilurahman, S.Si., M.Sc. Dr. Dra. Rr. Upiek Ngesti Wibawaning Astuti, B.Sc., DAP&E. M.Biomed. Dr. Dwi Sendi Priyono, S.Si, M.Si.
Language	Indonesian/English
Classification within the Curriculum	Compulsory Specialization Courses
Teaching format/ class hours per week during the semester	This course is planned to have 14 teaching weeks and 2 weeks of examination.
Workload	1,125 hours/day 5 days/week 5,625 hours/week 16 Weeks/Semester total workload : 90 hours/3,6 ECTS
Credits	2-0 credits / 3.6 ECTS
Requirements	-
Program Learning Outcome	CPL 1.1. Upon completing this program, the graduates demonstrate an attitude of being able to contribute to improving the quality of life in society, nation and state, and the progress of civilization based on Pancasila; CPL 2.1. After completing this program, the graduates will be able to discover or develop new scientific theories/concepts/ideas in biology CPL 2.2. After attending this program, graduates demonstrate an understanding of substantial and leading theory in the field of biology/biological resources in order to support education for sustainable development;



THE MODULE HANDBOOK

DOCTOR BIOLOGICAL SCIENCES STUDY PROGRAM

FACULTY OF BIOLOGY

	CPL 3.1. After completing this program, the graduates will be able to contribute to the development and practice of the field of biology through scientific research based on scientific principles and ethics through interdisciplinary, multidisciplinary, or transdisciplinary approaches in solving problems in the field of biology
Course Learning Outcome	BIDB203103.1 By the end of this course, students will be able to demonstrate advanced knowledge and critical understanding of the fundamental principles of Selected Topics in Animal Systematics. BIDB203103.2 By the end of this course, students will be able to develop knowledge and technology in the field of Animal Systematics, particularly in relation to their Dissertation research. BIDB203103.3 By the end of this course, students will be able to manage, lead, and develop research in the field of Animal Systematics. BIDB203103.4 By the end of this course, students will be able to solve problems in the field of Animal Systematics through inter- and multidisciplinary approaches.
Course Description	This course comprises specialized topics in Animal Systematics that are directly related to dissertation research. The content is tailored to the expertise of the supervisory team and aligned with the taxon or topic selected for dissertation study. In general, the course is highly dynamic, adjusted to the specific needs of the students, and closely connected to the academic specializations of the supervisory team.
Assessments	The assessment for Selected Topic for Dissertation (Capita Selecta) is based on four components, with the respective criteria and weights: A. Mid-term Exam (25%) B. Final-term Exam (25%) C. Project 1 (25%) D. Project 2(25%)
Study Media and Literature	Main: 1. Ackers, R. et al., 2007. Sponges of the British Isles (Sponge V): a colour guide and working documents. 2. Beesley, P.L., Ross, G.J.B. & Wells, A. (eds) (1998). Mollusca: The Southern Synthesis. A Fauna of Australia. Vol.5. CSIRO Publishing: Melbourne, Part A. 3. Cogger, H.G. and R.G Zweifel. 2003. Encyclopedia of Reptiles and Amphibians. Frog City Press. San francisco. Pp: 240. 4. Dance, Peter S., 1992. Shells. Dorling Kindersley, London.



THE MODULE HANDBOOK
DOCTOR BIOLOGICAL SCIENCES STUDY PROGRAM
FACULTY OF BIOLOGY

5. Dorit, Robert L. Warren F walker, Jr., Robert D Barnes. 1991. Zoology. Saunders College Publishing. USA. Pp: 236 – 253.
6. Hooper, J.N.A., van Soest, R.W.M. (eds.) 2002. Systema Porifera: A Guide to the Classification of Sponges. Kluwer Academic/Plenum Publishers, New York.
7. Iskandar, D.T., 1998. Amfibi Jawa dan Bali: Seri Panduan Lapangan. Cetakan pertama, Puslitbang Biologi-LIPI, Bogor. Hal: 1 – 7.
8. Jeffrey, C .1973. Biological Nomenclature. 3rd ed. Edward Arnold, London.
9. Kottelat, M., A.J. Whitten, S.N. Kartikasari and S. Wirjoatmodjo. 1993. Fresh Water Fishes of Western Indonesia and Sulawesi. Periplus Editions Limited, Jakarta.
10. Lagler, K.F, J.E. Bardach, R.R. Miller, and D.R.M. Passino. 1977. Ichthyology, 2nd Edition. John Wiley and Sons Company. Toronto, Canada.
11. Mayr, E. & P.D. Ash. 1991. Principles of Systematic Zoology. McGraw Hill, Inc. pp.475.
12. Nelson, Joseph S., 2006. Fishes of The World. 4th ed. John Wiley & Sons, Inc. New Jersey.
13. Orr, R.T. 1976. Vertebrate Biology. 4th ed. W.B. Saunders Company. Philadelphia, USA.
14. Pechenik, J.A. 2000. Biology of the Invertebrates. McGraw-Hill Higher Education. Singapore..

additional:

1. Any journals related to dissertation topic