



THE MODULE HANDBOOK

FACULTY OF BIOLOGY

Malacology

Module code	BIO 41105
Module level	3 rd 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)	Ratih Aryasari, S.Si., M.Si.
Lecture(s)	-
Language	Indonesia
Classification within the Curriculum	Elective course
Teaching format/class hours per week during the semester	This course is organized into one class and planned to have 14 teaching weeks and 2 weeks of examination.
Workload	Estimated working hour: 10,5 hours/week.
Credit points	2-1 credits
Requirements	Animal Systematics (BIO 31101)
Learning goals/competencies	<ol style="list-style-type: none">1. Knowledge and understanding<ol style="list-style-type: none">a. Understanding basic concept, principal, theories, and identification of fishes.b. Understanding facts, concepts, principal and theory of fish distribution in the field of biological sciences.c. Knowing and understanding relationship between Ichthyology and other biological sciences.d. Improve the understanding of the important value of fishes in the use of fauna resourcese. Fish cultivation system with the sustainable concept.2. Ability/intellectual skill<ol style="list-style-type: none">a. Able to communicate clearly and effectively, both orally and in writingb. able to think logically, analytically, and independentlyc. able to identify and analyze problems related with mollusks



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	<p>3. Practical skill Able to do the techniques in collections, specimens management and identification, also able to recognize different mollusks' habitats.</p> <p>4. Managerial and transferable skill The ability to learn and work on one's own and as part of a group, in applying the knowledge effectively to have a strong base for profession development.</p> <p>5. Attitude Have an awareness, curiosity, sensitive and critical on environmental issues in doing a study and natural resource management.</p>
Content	This course will examine the biology and the role of phylum Mollusca members. Topics will cover identifying characters, biodiversity, systematics and phylogeny, the biology of mollusks and the role in human life and also in the ecosystems. Specimen management will also be studied, including field and laboratory handling and data base building.
Study/exam achievements	<ol style="list-style-type: none">1. Midterm: 30 %2. Final examination: 30 %3. Group presentation and assignment: 20 %4. Individual assignment: 10 %5. Quiz: 10 %
Forms of media	White board, notebook, specimen, LCD
Literature	<ol style="list-style-type: none">1. Beesley, P.L., Ross, G.J.B. & Wells, A. (eds) (1998). <i>Mollusca: The Southern Synthesis. A Fauna of Australia. Vol.5</i>. CSIRO Publishing: Melbourne, Part A.2. Beesley, P.L., Ross, G.J.B. & Wells, A. (eds) (1998). <i>Mollusca: The Southern Synthesis. A Fauna of Australia. Vol.5</i>. CSIRO Publishing: Melbourne, Part B.3. Dance, Peter S., 1992. Shells. Dorling Kindersley, London.4. Jutting, W.S.S. van Bethem, 1948. <i>Systematic Studies on the Non-Marine Mollusca of the Indo-Australian Archipelago I</i>. Treubia 19(3): 539 - 604.5. _____ 1950. <i>Systematic Studies on the Non-Marine Mollusca of the Indo-Australian Archipelago II</i>. Treubia 20(3): 381 - 505.6. _____ 1952. <i>Systematic Studies on the Non-Marine Mollusca of the Indo-Australian Archipelago III</i>. Treubia 21(2): 291 - 435.7. _____ 1953-1954. <i>Systematic Studies on the Non-Marine Mollusca of the Indo-Australian Archipelago IV</i>. Treubia 22(1-3): 19 - 73.



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8. _____ 1956. *Systematic Studies on the Non-Marine Mollusca of the Indo-Australian Archipelago V.* Treubia 23(2): 259 – 477.
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