

## Module Handbook

Modul Name	Carcinology
Modul Level	Bachelor
Abbreviation, if applicable:	BIZ 221
Sub--heading, if applicable:	-
Courses included in the module, if applicable:	-
Semester	Odd
Module Coordinator	Bambang Irawan
Lectures	Bambang Irawan
Language	Bahasa Indonesia
Classification within the curriculum:	<del>Compulsory Course</del> / Elective Studies
Teaching format/ class hours per week during semester	300 minutes/ week
Workload per semester	100 min lecture + 100 min structural assignment + 100 min self-assignment x 13 weeks; total 3900 min = 65 hours 65/25 = 2.6 ECTS
Credit point	2
Requirements	General Biology
Learning goals/competencies	<p><b>General Competence (Knowledge)</b> Students have an ability to compare and evaluate the benefit of crustacean in human life, and how to grouping animals belong to the Crustacea.</p> <p><b>Specific Competence</b></p> <ol style="list-style-type: none"> <li>1. Understanding the general explanation of carcinology</li> <li>2. Students are able to understand the limitation and characteristic of Crustacea as well as understanding the difference with other Arthropoda</li> <li>3. Understanding the morphology of Crustacea</li> <li>4. Understanding structure and function Crustacea organ</li> <li>5. Understanding the embryogenic and the development of Crustacea</li> <li>6. Understanding the morphology of Crustacea in Larva stadium</li> <li>7. Understanding the coordination system of Crustacea</li> <li>8. Understanding the habitat and ecology of Crustacea</li> <li>9. Understanding the distribute pattern, factor that affect it, as well as the population fluctuation Crustacea</li> <li>10. Understanding the history Crustacea</li> <li>11. Understanding the biodiversity of Crustacea as well as the characteristic of entomostracan and malacostraca</li> <li>12. Students are able to make the determination key of Crustacea</li> <li>13. Students are able to understand the types of symbiont Crustacea and how to cultivate Crustacea</li> </ol>
Content	The role of Crustacea in human life. Crustacean body structure and its life cycly in general. Differentiate subphylum Crustacea and other subphylum within Phylum Arthropoda. Embryology and physiology of Crustacea. Crustacean life cycle. Crustacean ecology. Evolution and Classification of Crustacea. Crustacea aquaculture.
Soft skill Attribute	Discipline and Argumentation

Study/ exam achievements	<p>Students are considered to be competent and pass if at least get 40% of maximum. Final score (NA) is calculated as follow: Paper project (20%), mid exam (30%), final exam (40%), and soft skill (10%)</p> <p>Final index is defined as follow:</p> <p>A : 75 - 100  AB : 70 - 74.99  B : 65 - 69.99  BC : 60 - 64.99  C : 55 - 59.99  D : 40 - 54.99  E : 0 - 39.99</p>
Form of media	LCD, computer
Learning Method	Class and discussion
Literature	<ol style="list-style-type: none"> <li>a. Barnes, R.D. 1982. <i>Invertebrate Zoology</i> edisi 4. Holt Saunders International Edition</li> <li>b. Bliss, D.E. ed. 1982. <i>The Biology of Crustacea vol 1. Systematics, the fossil record and biogeography</i>. Academic Press.</li> <li>c. Bliss, D.E. ed. 1982. <i>The Biology of Crustacea vol 2. Embriology, morphology and genetics</i>. Academic Press</li> <li>d. Fincham, A.A. dan Rainbow, P.S. ed. 1988. <i>Aspect of Decapod Crustacean Biology</i>. Oxford Science Publication.</li> <li>e. Schram, F.R. 1986. <i>Crustacea</i>. Oxford University Press</li> <li>f. Makalah pada Jurnal atau proceeding, dan buku-buku cerita rakyat.</li> </ol>
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