

Module Handbook

Modul Name	Ecotoxicology
Modul Level	Bachelor
Abbreviation, if applicable:	LKB 611
Sub--heading, if applicable:	-
Courses included in the module, if applicable:	-
Semester	Even
Module Coordinator	Agoes Soegianto
Lectures	Agoes Soegianto
Language	Bahasa Indonesia
Classification within the curriculum:	Compulsory Course / 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	-
Learning goals/competencies	<p>General Competence (Knowledge) Students have an understanding of eco-toxicology, the behavior of materials pollution and its effects on biological systems.</p> <p>Specific Competence</p> <ol style="list-style-type: none"> 1. Students understand about ecotoxicology, the effect of material contamination, and its effect on biological system. 2. Students understand the definition of ecotoxicology, science and technology, and probiotic 3. Students understand the contaminant distributor 4. Students understand the contaminants of biotransformation 5. Students understand the natural modelling 6. Students understand the limitation of ecotoxicology. 7. Students are able to differentiate the types of contamination 8. Students understand the definition of bioaccumulation 9. Students understand the factor that caused bioaccumulation 10. Students understand the effect of toxicant 11. Students understand and differentiate the types of contaminant 12. Students understand the risks of several types of contaminant
Content	Definition and understanding eco-toxicology, environmental contaminants, bioaccumulation and factors that influence it, toxicant effects, the risk of contaminants.
Soft skill Attribute	Discipline and teamwork
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 (35%), final exam (35%), 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</p>

	BC : 60 - 64.99 C : 55 - 59.99 D : 40 - 54.99 E : 0 - 39.99
Form of media	Laboratory equipment
Learning Method	Class and discussion
Literature	a. Newman, M.C., Unger, M.A. 2003. <i>Fundamentals of ecotoxicology, Second edition</i> . Lewis Publishers. Boca Raton. b. Ramade, F. 1987. <i>Ecotoxicology</i> . John wiley and Sons. New York.
Note	-