

Basic Toxicology

Module name		<i>Basic Toxicology</i>				
Module level		4 th year of Bachelor program				
Abbreviation, if applicable		-				
Sub-heading, if applicable		-				
Courses included in the module, if applicable		BI4205 Basic Toxicology				
Semester/term		8 th Semester				
Module coordinator(s)		Dr. Ayda Trisnawati Yusuf				
Lecturer(s)		Dr. Ayda Trisnawati Yusuf				
Language		Indonesian				
Classification within the Curriculum		Elective courses for Bachelor Program in Biology				
Teaching format/ class hours per week during the semester		Lecture (face to face teaching): 2 x 1 hour x 12 weeks Assignment: Student class presentation/group: 2 hours x 2 weeks Quizzes: 15 minutes x 8 weeks				
Workload	Total Workload	96 hours; 2 CU				
		Face to face teaching	Structured Activities	Independent study	Exam	Total
	Lecture	28	32	32	4	96
Credit points		<i>Basic Toxicology (2 Credits)</i>				
Requirements		-				
Content		<ol style="list-style-type: none"> 1. Introduction, 2. basic principle of toxicology, 3. toxicant disposition, 4. direct toxicity to non- organ, 5. target organ toxicity, 6. toxic agents-agents, 7. environmental toxicology, 8. applications of toxicology 				
Learning goals/competencies		Student are able to: <ul style="list-style-type: none"> - explain and apply basic principle of toxicology - correlate cause and effect of toxicants in molecular until organism level. 				
Study/exam achievements		Mid Term Exam	Final Exam	Assignments	Total	
		35	35	30	100%	
Forms of media		Classical teaching tools:	White board, power point presentation			
		Digital teaching tools:	Video/CD, Website			
Literature		<ol style="list-style-type: none"> 1. Klassen, C.D., Casarett and Doull's Toxicology: The Basic Science of Poisons, 7th ed., McGraw-Hill, Inc., New York, 2007 2. Hayes, A.W., Principles and Methods of Toxicology. 5th ed., CRC, 2007 3. Lu, F.C. & Kacew, S., Lu's Basic Toxicology, 4th ed., CRC, 2003 4. Ganong, W.F., Review of Medical Physiology, 21^{ed} ed., McGraw-Hill, Inc., New York, 2003 				