Module Handbook

Module Name :	Pharmacology I - Toxicology I
Module Level :	Bachelor
Abbreviation, if applicable :	FAT301
Sub-heading, if applicable :	
Courses included in the module, if applicable :	
Semester / term :	1 / Third year
Module coordinator(s) :	Yuani Setiawati, dr., M.Ked.
Lecturer(s) :	Prof. Dr. Achmad Basori, MS
	Danti Nur Indiastuti, dr., M.Ked.
	Ramadhani RB, dr., M.Kes
	Dr. Sunarni Z.P., dr., MKes
	Maftuchah Rochmanti, dr., M.Kes.
	Sri Purwaningsih, dr., MKes
	Abdul Khairul Rizki Purba, M.Sc.
	Yuani Setiawati, dr., M.Ked.
	M .Fathul Qorib, dr., Sp.KFR
	Nurina Hasanatuludhiyah, dr., M.Si.
Language :	Bahasa Indonesia
Classification within the curriculum :	Compulsory Course / ~~Elective Studies~~
Teaching format / class hours per week during the semester :	150 minutes lectures, 13 lecture classes/semester
Workload	Total 32 hours a semester
Cedit Points :	3
Requirements :	
Learning goals/competencies :	Knowledge – To understand the concept of pharmacology and toxicology.
	Skills – Diciplin and teamwork.
	Competence – To understand and able to apply drug action in human body (systemic, organ, cell, and molecule) regarding to experimental animal and human body. – To understand and able to apply the concept of site effect of drug regarding to experimental animal and human body. – To understand and able to apply the concept of toxicity of drug regarding to experimental animal and human body.
Content :	Pharmacology Lecture: Introduction to pharmacology, pharmacology general, vitamin-mineral and parenteral nutrition, the autonomic nervous system, cough medicines and bronchodilators, antihypertensive agents, diuretics, anti angina, anti arrhythmias, drug heart failure, autacoids and

	antihistamines, antiulcer, antispasmodic, antiemetic, laxative, NSAIDs, anti rheumatic , antigout. Toxicology Lecture: Introduction to toxicology and toxicokinetic -dynamic, the toxic effects of the skin and eyes, toxicology food, toxicity studies, toxic effects the nervous system, renal toxic effects, toxic effects of the reproductive system, the toxic effects of cardiovascular toxic effects the liver, environmental toxicology and insecticides, immunotoxicology, toxic effects respiratory system, hematology system toxic effects.
Study/exam achievements :	Student are considered to be competent and pass if at least get 50% of maximum mark of the exams based learning. Final score is calculated as follow : 50% Exam I + 50% Exam II Final index is defined as follow : A : ≥ 75 AB : 70 – 74,9 B : 65 – 69,9 BC : 60 – 64,9 C : 55 – 59,9 D : 40 – 54,9 E : <40
Forms of Media :	OHP, LCD projector.
Literature :	1. Gilman AG., Rall TW, Nies AS and Taylor P., Eds, 1991., *Goodman and Gilaman The Pharmacological basic of Therapeutics*, 8thedistion, pergamon press, New York.
	2. Katzung B.G.,1993, *Basic nad Clinical Pharmacology*, 5th edition.
	3. Ganiswara S.G., et al, 1995, *Farmakologi dan terapi*, edisi 4, Gaya baru, Jakarta .
Notes	