Module Handbook

Module Name:	Organic Chemistry II
Module Level:	Bachelor
Abbreviation, if applicable:	KIO203
Sub-heading, if applicable:	
Courses included in the module, if applicable:	
Semester/term:	1 / Second year
Module coordinator(s):	Prof. Dr. H. Achmad Syahrani, Apt., MS.
Lecturer(s):	Prof. Dr. H. Achmad Syahrani, Apt., MS.
	Drs. Marcellino Rudyanto, Apt., MSi., PhD.
	Dr. Juni Ekowati, Apt., MSi.
	Prof. Dr. Tutuk Budiati, Apt., MS.
	Drs. Hadi Poerwono, Apt., MSc., PhD
	Dra. Suzana, Apt., MSi.
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
Credit Points:	3
Requirements:	
Learning goal/competencies:	Knowledge – To understand the concept of organic chemistry and basic concepts and principles in synthesis and mechanism organic compounds of relevance in pharmacy.
	Skills – Honesty – Discipline (maximum delay of 15 minutes) – Pay attention to the explanation in lectures and discussions – Ability to communicate and work in teams
	Competence – To have an ability to apply the concept of spectroscopic methods for the identification of organic molecules – To understand and able to apply the concept of carboxylic acids and carbonyls
Content:	This subject is available for exchange students only, who are required to have successfully completed an approved organic chemistry I. The topic are following: carboxylic acids and carbonyls, nitrogen-containing organic molecules, carbohydrates, amino acids and proteins, lipids, nucleic acids, pigments, basics of spectroscopy (UV-VIS, IR, NMR and mass spectroscopy).
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 (NA) is calculated as follow : 50% Exam I + 50% Exam II Final index is defined as follow : A : 100 > NA $\geq$ 75 AB : 75 > NA $\geq$ 70 B : 70 > NA $\geq$ 65 BC : 65 > NA $\geq$ 60 C : 60 > NA $\geq$ 55 D : 55 > NA $\geq$ 50 E : 50 < NA
Forms of Media:	LCD projectors, board and handout
Literature:	1. Solomons, T. W. G.; Fryhle, C. B. (2007) ***Organic Chemistry***, 9th Ed., John Wiley & Sons, Inc.: New York.
	2. McMurry, J. (2008) ***Organic Chemistry***, 7th Ed., Brooks/Cole Publishing Company: Pasific Grove, California.
	3. Morrison, R. T.; Boyd, R. N. (1992) ***Organic Chemistry***, 6th Ed., Prentice Hall: Englewood Cliffs, New Jersey.
	4. Fessenden, R. J.; Fessenden, J. S. (1989) ***Kimia Organik***, edisi 3 Jilid 1, Alih Bahasa: A. H. Pudjaatmaka, Penerbit Airlangga: Jakarta
	5. Finar, I. L. (1986) ***Organic Chemistry***. Volume I: The Fundamental Principles, 6th Ed., English Language Book Society/Longman: England.
Notes:	The course is more organic chemistry reaction based as compared to organic chemistry II