Module Handbook

Module Name:	Drug Delivery Systems
Module Level:	Bachelor
Abbreviation, if applicable:	FAT418
Sub-heading, if applicable:	
Courses included in the	
module, if applicable:	
Semester/term:	1 or 2 (open semester) / Fourth year
Module coordinator(s):	Dra. Esti Hendradi, MSi., PhD., Apt
Lecturer(s):	Dra. Esti Hendradi, MSi., PhD., Apt
. ,	Dr. Retno Sari, MSc
	Drs. Acmad Radjaram
	Drs. Bambang Widjaja, MSi
	Dr. Dwi Setyawan, SSi., Msi
	Dewi Melani H, S.Si.,M.Phil., Ph.D
	Helmy Yusuf, S.Si.,M.Sc., Ph.D
Language:	Bahasa Indonesia
Classification within the	Elective Studies
curriculum:	
Teaching format/class hours	100 minutes lectures, 13 lecture classes/semester
per week during the semester:	
Workload:	Total 22 hours a semester
Credit Points:	2
Requirements:	Students must have taken Liquid Preparation Pharmaceutics
	(FAF203), Solid Preparation Pharmaceutics (FAF202),
	Semisolid Preparation Pharmaceutics (FAF211) courses.
Learning goal/competencies:	Knowledge
	To understand the concept development of drug
	delivery systems.
	Skills
	– Discipline, empathy
	Competence
	To understand and able to apply the concept of drug delivery systems.
	delivery systems.
	To understand and able to explain the concept of oral days delivery system, transdormal days delivery.
	oral drug delivery system, transdermal drug delivery system, parenteral drug delivery system.
	To understand and able to explain the use of
	polymer in DDS development in designing a
	pharmaceutical product.
Content:	Concept development of new drug delivery system; oral
Comon.	drug delivery system; transdermal drug delivery system;
	parenteral drug delivery system; polymer in drug delivery
	system, development in DDS.
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:
	45% Exam I + 45% Exam II + 10% Softskill
	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:	LCD projector, whiteboard, power point.
Literature:	1. Hillery, A., Lloyd, A.W., Swarbrick, 2001. Drug
	Delivery and Targeting for Pharmacists and
	Pharmaceutical Scientist.
	2. Birnbaun, Dt., Peppas, LB, 2003. Microparticle Drug
	Delivery System In: Drug Deliver System in Cancer
	Therapy
	3. Guy,RH and Hadgraft,J., 2002. Transdermal Drug
	Delivery, 2 nd Ed., Series of Drugs and Pharmaeutical
	Sciences, Vol. 123
	4. Freitas S, et al, 2005. Microencapsulation by Solvent
	Extraction/ Evaporation
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