Module Handbook

Module Name:	Semisolid Preparation Pharmaceutics
Module Level:	Bachelor
Abbreviation, if applicable:	Lecture FAF211
	Practical Work FAF209
Sub-heading, if applicable:	
Courses included in the module, if applicable:	
Semester/term:	2 / Third year
Module coordinator(s):	Dra. Noorma Rosita, M.Si.
Lecturer(s):	Prof. Dr. Widji Soeratri, DEA
	Dra. Esti Hendradi, MSi., PhD., Apt
	Dra. Tutiek Purwanti, MSi., Apt
	Dr. Tristiana Erawati, MSi., Apt
	Dewi Melani Haryadi, SSi, M.Phil., PhD., Apt
Language:	Bahasa Indonesia
Classification within the curriculum:	Compulsory Course/~~Elective Studies~~
Teaching format/class hours per week during the semester:	Lecture 100 minutes lectures, 13 lecture classes/semester
	Practical Work 200 minutes practical work classes, 13 practical work classes /semester
Workload:	Lecture Total 22 hours a semester
	Practical Work Total 43 hours a semester
Credit Points:	Lecture 2
	Practical Work 2
Requirements:	Physical Pharmacy Course (FAF201) and Practice (FAF206), Pharmaceutics (Solid dosage forms) Course (FAF202) and Practice (FAF207), Pharmaceutics (Liquid dosage forms) Course(FAF203) and Practice (FAF208)
Learning goal/competencies:	Knowledge – To understand the concept of Pharmaceutics (Semisolid dosage forms)
	Skills – Discipline, empathy, communication, honesty, thoroughness, teamwork, tolerance, initiative, leadership, accurate decision-making
	Competence – Able to plan the formulation of semisolid dosage forms (gel, ointment, cream, paste, and suppository) and its development on laboratory scale considering the safety, effectivity, acceptability, and stability aspect of the product – Able to make non-sterile semisolid dosage forms (gel, emulgel, ointment, cream from chemical or

	natural ingredients) on laboratory scale based on formulation plan considering the safety, effectivity, acceptability, and stability aspect of the product
Content:	Lecture Formulation of semisolid dosage forms (gel, ointment, paste, cream, suppository) and its development.
	Practical Work Planning (Journal-making which include: Preformulation, formulation, producing, production tools, evaluation, and packaging), group discussion, formula optimation, making the chosen dosage forms, evaluation, packaging, and seminar about some types of semisolid dosage forms (Cream, gel, ointment) This practice will be on block system, after the course finished (half of the semester)
Study/exam achievements:	Lecture 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% Soft skill 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
	Practical Work 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% Daily practice + 30% Exam + 20% Seminar 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
Literature:	1. Lieberman H.A, Martin M.R., Gilbert S.B,1998, *Pharmaceutical Dosage Forms; Disperse Systems, Marcel Dekker, Inc,* New York, 2nd Ed., Vol. 1,2 and 3
	2. Florence A.T., Attwood D., 1988, *Physicochemical Principe of Pharmacy*. The Macmillan Press Ltd., 2nd

	Ed. 3. Rowe R.C, Sheskey P.J., Owen S.C., 2006, *Handbook of Pharmaceutical Excipients, 5th Ed.,* 4. Sinko, P.J., Yashveer Singh, 2011, *Martin's Physical Pharmacy and Pharmaceutical Sciences,* Wolters Kluwer, London
Notes:	