

### Module Handbook

Module Name :	Clinical Pharmacy
Module Level :	Bachelor
Abbreviation, if applicable :	FAM401
Sub-heading, if applicable :	
Courses included in the module, if applicable :	
Semester / term :	2 / Fourth year
Module coordinator(s) :	Prof. Dr. Fasich, Apt.
Lecturer(s) :	Prof. Dr. Fasich, Apt.
	Yunita Nita S.Si.,MPharm., Apt.
	I Nyoman Wijaya, SSi, SpFRS, Apt.
	Dr. Liza Pristiany MSi., MM., Apt.
	Yuni Priyandani, SSi, SpFRS, Apt.
Language :	Bahasa Indonesia
Classification within the curriculum :	Compulsory Course / <del>Elective Studies</del>
Teaching format / class hours per week during the semester :	100 minutes lectures, 13 lecture classes/semester
Workload	Total 22 hours a semester
Cedit Points :	2
Requirements :	Pharmacology and Toxicology I (FAT301), Pharmacology and Toxicology II (FAT302), Practical Work of Pharmacology and Toxicology II (FAT309)
Learning goals/competencies :	<p>Knowledge</p> <ul style="list-style-type: none"> <li>- To be able to understand and explain the definition and history of clinical pharmacy.</li> </ul> <p>Skills</p> <ul style="list-style-type: none"> <li>- Honesty, discipline, teamwork.</li> </ul> <p>Competence</p> <ul style="list-style-type: none"> <li>- To be able to understand the role of pharmacists in clinical pharmaceutical care.</li> <li>- To be able to resolve drug related problems in clinical pharmaceutical care.</li> </ul>
Content :	The topic of lectures which is includes the definition and history of clinical pharmacy; clinical pharmacy and pharmaceutical care; pharmacy records; side effects of medication; drug interactions; interpretation of laboratory data; monitoring of drug use; medication error; clinical pharmacy practice in Indonesia
Study/exam achievements :	<p>Student are considered to be competent and pass if at least get 45% of maximum mark of the exams based learning and based on assessment tasks.</p> <p>Final score is calculated as follow : 45% Exam I + 45% Exam II + Tasks 10%</p> <p>Final index is defined as follow : A : <math>\geq 75</math></p>

	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, Power Point, Video, LCD Projector.
Literature :	<ol style="list-style-type: none"> <li>1. Basic Skills in Clinical Pharmacy Practice 1983 ASHP North Carolina: Health Sciences Consortium Inc.</li> <li>2. Clinical Pharmacy: A Practical Approach. 2002 Hughes, J. 2<sup>nd</sup> edition; p. 1-7.</li> <li>3. Clinical Pharmacy and Therapeutics 1999 Walker R, Edwards C. 2<sup>nd</sup> edition. Edinburgh: Churchill Livingstone; p.33-45.</li> <li>4. Avery's Drug Treatment. 1997 Speight TM, Holford NHG 4<sup>th</sup> edition. Auckland: Adis International; p.261-338.</li> <li>5. Pharmaceutical Practice. 1990 Collett DM, Aulton ME. Churchill Livingstone; p.339-372.</li> <li>6. Medication Errors. 1999 Cohen MR. APhA.</li> <li>7. Drug Information a Guide for Pharmacist. 1996 Malone PM, Mosdell KW, Kier KL, Stanovich JE. 2<sup>nd</sup> edition. McGraw Hill.</li> <li>8. Drug Interactions. Stockley, I.V. Fifth Edition, Pharmaceutical Press, Nottingham, UK. Drug Interactions, analysis and management. Hansten, P.D Lea &amp; Febiger, Philadelphia.</li> <li>9. Patient Medication Records. In: Pharmaceutical Practice. 1998 Winfield AJ, Richards RME (Editors). 2nd Edition.. Toronto: Churchill Livingstone. p 433-7.</li> </ol>
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