Module 13 : Pharmacology of Inflammatory and Infectious Drugs (3.6 ECTS/2 CSU)

Pharmacology of Inflammatory and Infectious Drugs		
Code/ Status	:	MFK 642/Elective
Module level	:	Master
Semester	:	2
Module Coordinators/ Lecturers	:	Ika Puspita Sari, Nanang Munif Yasin, Titik Nuryastuti
Language	:	Indonesian
The format/class hours per week during the semester	:	Classroom Lecture, Case-based lecture, Small Group Discussion and Presentation; 100 minutes/weekly and 16 weeks during the semester.
workload	:	100 minutes of in-class lectures, 120 minutes of structured activities, 120 minutes of weekly self-study
Credit points	:	3.6 ECTS/2 CSU
Requirements	:	No
Learning goals/ Course Outcomes	:	Students are able to: 1. understand classification, mechanism of action, resistance, and safety of antibiotics, prebiotics and probiotics, anti-inflammatory, antiviral, immunosuppressant 2. understand the principles of pharmacokinetics-pharmacodynamics and antibiotic therapy, as well as control and antibiotic resistance 3. understand the principles of biofilms, taking specimens for valid microbiological examination and examining antibiotic culture and sensitivity
Content	:	This course deals with pharmacological profiles, mechanisms of action and evidence-based medicine regarding drugs for infectious and inflammatory diseases, including antibiotics, antiviral, prebiotic and probiotic drugs, anti-inflammatory drugs, immunosuppressant, and principles of antibiotic sensitivity and culture examination. In addition, it also applies the principle of the relationship of pharmacokinetics and pharmacodynamics to antibiotic drugs.
Study/exam achievements	:	A-E, 21.4% Assignment, 30% Midterm and 48.6% final exam
Forms of media	:	Face to face instructions, Slides, Board, Internet
Literature	:	1.) Anonim, 2008, Informatorium Obat Nasional Indonesia (IONI), Dep Kesehatan RI, Jakarta 2.) Craig, C.R., dan Stitzel, R.E., 2009, Modern Pharmacology with Clinical Application, 6th ed, Lippincot William, MD 3.) IDSA Practical Guideline, www.idsociety.org › Guidelines 4.) Clinical & Laboratory Standards Institute: CLSI Guidelines, 2018