

### Module 13 : Pharmacology of Inflammatory and Infectious Drugs (3.4 ECTS/2 CSU)

<b>Pharmacology of Inflammatory and Infectious Drugs</b>	
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; 2 hours/weekly and 14 weeks during the semester.
workload	: 100 minutes of in-class lectures, 120 minutes of structured activities, 120 minutes of weekly self-study
Credit points	: 3.4 ECTS/2 CSU
Requirements	: No
Learning goals/ Course Outcomes	: Students are able to: <ol style="list-style-type: none"><li>1. understand classification, mechanism of action, resistance, and safety of antibiotics, prebiotics and probiotics, anti-inflammatory, antiviral, immunosuppressant</li><li>2. understand the principles of pharmacokinetics-pharmacodynamics and antibiotic therapy, as well as control and antibiotic resistance</li><li>3. understand the principles of biofilms, taking specimens for valid microbiological examination and examining antibiotic culture and sensitivity</li></ol>
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	: <ol style="list-style-type: none"><li>1.) Anonim, 2008, Informatorium Obat Nasional Indonesia (IONI), Dep Kesehatan RI, Jakarta</li><li>2.) Craig, C.R., dan Stitzel, R.E., 2009, Modern Pharmacology with Clinical Application, 6th ed, Lippincot William, MD</li><li>3.) IDSA Practical Guideline, <a href="http://www.idsociety.org">www.idsociety.org</a> › Guidelines</li><li>4.) Clinical &amp; Laboratory Standards Institute: CLSI Guidelines, 2018</li></ol>