

Module Handbook

Module Name:	Microbiology-Immunology-Parasitology
Module Level:	Bachelor
Abbreviation, if applicable:	Lecture BIM204 Practical Laboratory BIM211
Sub-heading, if applicable:	
Courses included in the module, if applicable:	
Semester/term:	2 / Second year
Module coordinator(s):	Dr. Marijam Purwanta, Dra., MSc., Apt.
Lecturer(s):	Dr. Marijam Purwanta, Dra., MSc., Apt. Indah Setiawati Tantular, dr., M.Kes., Ph.D, Sp-Par(K) Dwi PK, dr., M.Imun. Lindawati Alimsardjono, dr., M.Kes., SpMK Setio Harsono, dr., MS., Sp.MK Rebekah J. Setiabudi, dr., MSi. Manik Retno Wahyunitisari, dr., M.Kes. Nurul Wiqoyah, Dra., M.Si. Agung Dwi Wahyu Widodo, dr., M.Si. Dr. Eko Budi Koendhori, dr., M.Kes. Heny Arwati, Dra., Ph.D., M.Sc. Sri Wijayanti S., dr., M.Imun.
Language:	Bahasa Indonesia
Classification within the curriculum:	Compulsory Course/ Elective Studies
Teaching format/class hours per week during the semester:	Lecture 200 minutes lectures, 13 lecture classes/semester Practical Work 100 minutes practical work classes, 13 practical work classes /semester
Workload:	Lecture Total 43 hours a semester Practical Work Total 22 hours a semester
Credit Points:	Lecture 4 Practical Work 1
Requirements:	
Learning goal/competencies:	<p>Knowledge</p> <ul style="list-style-type: none"> - To understand the concept of Microbiology-Immunology-Parasitology basic concept and principles in therapeutic aspects of drugs <p>Skills</p> <ul style="list-style-type: none"> - Teamwork and creativity <p>Competence</p> <ul style="list-style-type: none"> - To have an ability to apply the concept of the biology microorganisms - To have an ability to apply the concept of the immunity to infection

Content:	<p>Lecture Microbiology Lecture: Microbiology (morphology, classification, staining), microbial cultures, host-parasite relationship, microbial genetics, infection control, bacteriology, virology, mycology Parasitology Lecture: Helminthologi, protozoology, immunology-inmudogenetika, immunity (natural, specific), antigens, antibodies Immunology Lecture: Introduction immunology, imunogenetic, innate immunity, specific immunity, antigen-immunogen complement, antibody, antigen-antibody interactions, immunity against infections, hypersensitivity, immune disorders, immunoprophylaxis, immunotherapy</p> <p>Practical Work Students learn to do the coloring identification of germs, bacteria culture, antibiotic sensitivity testing and bacteriological water</p>
Study/exam achievements:	<p>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 : 50% Exam I + 50% Exam II</p> <p>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</p> <p>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% Exam I + 50% Exam II</p> <p>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</p>
Forms of Media:	OHP and LCD projector
Literature:	1. Lennette EH, EH Spaulding. JP Truant Eds, 1974, <i>Manual of clinical Microbiology</i> , 2 nd edition, American Society for microbiology, Washington DC
Notes:	The course is more concept of biochemical based as compared to basic biology