

## Module Handbook

Module Name:	Physiology-Pathophysiology
Module Level:	Bachelor
Abbreviation, if applicable:	Lecture KDK210
	Practical Laboratory KDK212
Sub-heading, if applicable:	
Courses included in the module, if applicable:	
Semester/term:	1 / Second year
Module coordinator(s):	Irfiansyah Irwadi, dr.
Lecturer(s):	Irfiansyah Irwadi, dr.
	Harlina Spetjipto, dr. MS
	Dr. Gadis Meinar Sari., dr., M.Kes.
	Kristanti Wanito Wigati, dr., M.Si.
	Tjitra Wardani, dr., MS
	Sundari Indah Wiyasihati, dr., M.Si.
	Dr. Ellyana Asnar., dr., MS
	Rd. Argarini, dr., M.Kes.
	Purwo Sri Rejeki, dr., M.Kes.
Language:	Bahasa Indonesia
Classification within the curriculum:	Compulsory Course/ <del>Elective Studies</del>
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"> <li>– To understand the concept of the normal function of the human body (physiology)-pathophysiology and basic concepts and principles in body fluids, peripheral nerves, muscles</li> </ul>
	<p>Skills</p> <ul style="list-style-type: none"> <li>– To demonstrate an ability to teamwork</li> <li>– To demonstrate an ability to creativity</li> <li>– To demonstrate an ability to conduct experiments to see the functioning of organs in this laboratory</li> </ul>
	<p>Competence</p> <ul style="list-style-type: none"> <li>– To understand and able to apply the concept of physiology to therapeutic practice</li> <li>– To understand and able to apply the concept of the</li> </ul>

	<p>functional roles of these cell types and how they interact in the various organ systems studied during the course</p> <ul style="list-style-type: none"> <li>– To understand and able to apply the concept of the functional interrelationships that normally exist between the organ systems during daily life</li> <li>– To understand and able to apply the concept of pathophysiological examples in some of the main organ systems</li> </ul>
Content:	<p>Lecture</p> <p>Biophysics, body fluids, peripheral nerves, muscles, digestion, cardiovascular, respiratory, kidney, blood, reproductive, endocrine, metabolism, body temperature and the nervous system</p>
	<p>Practical Work</p> <p>Learn to do the experiments to see the functioning of organs in this practical laboratory</p>
Study/exam achievements:	<p>Lecture</p> <p>Student are considered to be competent and pass if at least get 50% of maximum mark of the exams based learning.</p> <p>Final score (NA) is calculated as follow : 50% Exam I + 50% Exam II</p> <p>Final index is defined as follow : A : 100 &gt; NA &gt; 75 AB : 75 &gt; NA &gt; 70 B : 70 &gt; NA &gt; 65 BC : 65 &gt; NA &gt; 60 C : 60 &gt; NA &gt; 55 D : 55 &gt; NA &gt; 50 E : 50 &lt; NA</p>
	<p>Practical Work</p> <p>Student are considered to be competent and pass if at least get 50% of maximum mark of the exams based learning.</p> <p>Final score (NA) is calculated as follow : 50% Exam I + 50% Exam II</p> <p>Final index is defined as follow : A : 100 &gt; NA &gt; 75 AB : 75 &gt; NA &gt; 70 B : 70 &gt; NA &gt; 65 BC : 65 &gt; NA &gt; 60 C : 60 &gt; NA &gt; 55 D : 55 &gt; NA &gt; 50 E : 50 &lt; NA</p>
Forms of Media:	OHP and LCD projector
Literature:	1. Guyton AC., 1994, <i>Textbook of Medical Physiology</i> , 9 <sup>th</sup> edition, WB Saunders Co., Phyladelphia.
	2. Ganong WF., 1995, <i>Review of Medical Physiology</i> , 17 <sup>th</sup> edition, lange Medical Publ, Chicago.

	3. Sylvia AP., <i>Clinical Concept of disease Processes</i> , 2 <sup>nd</sup> edition.
	4. Buku Petunjuk Praktikum Ilmu faal.
Notes:	The course is more comprehensive based as compared to anatomy histology