

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/ 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 the normal function of the human body (physiology)-pathophysiology and basic concepts and principles in body fluids, peripheral nerves, muscles |
| | <p>Skills</p> <ul style="list-style-type: none"> – To demonstrate an ability to teamwork – To demonstrate an ability to creativity – To demonstrate an ability to conduct experiments to see the functioning of organs in this laboratory |
| | <p>Competence</p> <ul style="list-style-type: none"> – To understand and able to apply the concept of physiology to therapeutic practice – To understand and able to apply the concept of the |

| | |
|--------------------------|---|
| | <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"> - To understand and able to apply the concept of the functional interrelationships that normally exist between the organ systems during daily life - To understand and able to apply the concept of pathophysiological examples in some of the main organ systems |
| Content: | Lecture Biophysics, body fluids, peripheral nerves, muscles, digestion, cardiovascular, respiratory, kidney, blood, reproductive, endocrine, metabolism, body temperature and the nervous system |
| | Practical Work Learn to do the experiments to see the functioning of organs in this practical laboratory |
| 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 :</p> <p>A : $100 > NA > 75$ AB : $75 > NA > 70$ B : $70 > NA > 65$ BC : $65 > NA > 60$ C : $60 > NA > 55$ D : $55 > NA > 50$ E : $50 < NA$</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 is calculated as follow : 50% Exam I + 50% Exam II</p> <p>Final index is defined as follow :</p> <p>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. Guyton AC., 1994, <i>Textbook of Medical Physiology</i> , 9 th edition, WB Saunders Co., Phyladelphia. |
| | 2. Ganong WF., 1995, <i>Review of Medical Physiology</i> , 17 th edition, lange Medical Publ, Chicago. |

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