

Module Description: Basic Science in Nursing II

Module name	Course Module
Module level, if applicable	Bachelor of Science in Nursing (BSN)
Code, if applicable	17153R0105
Subtitle, if applicable	-
Course, if applicable	Basic Science in Nursing II
Semester(s) in which the module is taught	II
Person responsible for the module	Dr. Yuliana Syam, S.Kep., Ns., M.Si
Lecturer	<ol style="list-style-type: none"> 1. Dr. Kadek Ayu Erika, S.Kep., Ns., M.Kes 2. Dr. Elly Lilianti Sjattar, S.Kp, M.Kes 3. Dr. Takdir Tahir, S.Kep, Ns, M.Kes 4. Abd. Majid, S.Kep, Ns, M.Kep, Sp.KMB 5. Sahrul Ningrat, S.Kep, Ns, M.Kep, Sp.KMB 6. Arnis Puspitha, S.Kep, Ns, M.Kes 7. Medical team
Language	Indonesian Language [Bahasa Indonesia]
Relation to Curriculum	This course is a compulsory course and offered in the 2 th semester.
Type of teaching, contact hours	<p>Teaching methods used in this course are:</p> <ul style="list-style-type: none"> - Lecture (i.e., group investigation, small group discussion, case study) - Structured assignments (writtent exam and (observatio) - Skill (observation). <p>The class size for lecture is approximately 50 students. Contact hours for lecture is 46,67 hours, assignments is 56 hours, and practice is 39,67 hours.</p>
Workload	<p>For this course, students are required to meet a minimum of 198,3 hours in one semester, which consist of:</p> <ul style="list-style-type: none"> - 46,67 hours for lecture, - 56 hours for structured assignments, - 56 hours for private study, - 39,67 hours for practice.
Credit points	5 credit points (equivalent with 7,93 ECTS)
Requirements according to the examination regulations	Students must have attended all classes and submitted all class assignments that are scheduled before the mid and final tests.
Recommended prerequisites	Students must have passed Basic Science in Nursing I courses.

Module objectives/intended learning outcomes	<p>After completing the course and given with a Basic Science in Nursing II case:</p> <p>Knowledge</p> <p>CLO1: Students will be able to explain the concept of pathology and pathophysiology based on patient health problems or diseases. (K1)</p> <p>CLO2: Students will be able to differentiate infectious process of various infectious agents based on its types, structure, life cycle, and mechanism of host cell damage. (K1)</p> <p>CLO3: Students will be able to explain the basic concepts of pharmacology that underlying the administration of medication based on patient health problems or diseases. (K1)</p> <p>CLO4: Students will be able to explain the basic concepts of specimen management and other diagnostic tests based on patient health problems or diseases. (K1)</p>
Content	<p>Students will learn about:</p> <ul style="list-style-type: none"> - The concept of pathology and pathophysiology that occurs in all human body systems, human adaptation process, cell injury, cellular ageing, congenital anomalies, cell growth and differentiation, and inflammatory response. - The infectious process of various infectious agents based on its types, structure, life cycle, and mechanism of host cell damage. - The basic concepts of pharmacology that that underlying the administration of medication based on patient health problems or diseases. - The basic concepts of specimen management and other diagnostic tests based on patient health problems or diseases.
Forms of Assessment	<ul style="list-style-type: none"> - Ethics and discipline : 10 % - Final Test (Essay dan MCQ) : 50 % - Assignments: 30 % - Students participation : 10 %
Study and examination requirements and forms of examination	<p>Study and examination requirements:</p> <ul style="list-style-type: none"> - Students must attend 15 minutes before the class starts. - Students must switch off all electronic devices. - Students must inform the lecturer if they will not attend the class due to sickness, etc. - Students must submit all class assignments before the deadline. - Students must attend the exam to get final grade. <p>Form of examination: Written exam: Multiple Choice Questions</p>
Media employed	<p>PowerPoint Presentation.</p>
Reading list	<ol style="list-style-type: none"> 1. Aschenbrenner, DS. & Venable, S.J. (2012). <i>Drug therapy in nursing</i>. Philadelphia: Lippincott William & Wilkins 2. Bullock, B.A. (2000). <i>Focus on pathophysiology</i>. Philadelphia: JB.Lippincott 3. Burton, GRW. & Engelkirk, PG. (2004). <i>Microbiology for the health sciences</i>. 7th ed. Philadelphia: Lippincott William & Wilkins. 4. Copstead, L.C. and Banasik, J.L. (2000). <i>Pathophysiology : Biological and behaviour perspectives</i>. Philadelphia : W.B. Saunders Company. 5. Gandahusada, S., Henry D., Wita P. (2004). <i>Parasitologi Kedokteran</i>. Jakarta: Balai Penerbit FK-UI 6. Greenwood, D., Slack, RCB., Peutheren, J. (2002). <i>Medical microbiology: a guide to microbial infections: pathogenesis,</i>

immunity, laboratory, diagnosis, and control. (edisi 16). New York: Churchill Livingstone.

7. Huether S.E. and McCance K.L. (2016) *Understanding Pathophysiology.* 6th edition. Mosby: Elsevier Inc.