

APPENDIX MODUL 3 : CLINICAL EPIDEMIOLOGY & EVIDENCE BASED MEDICINE

Module name	Clinical Epidemiology & Evidence Based Medicine
Module level, if applicable	Basic Medical Education
Code, if applicable	20Y00510402
Subtitle, if applicable	-
Course, if applicable	Basic Medical Specialist Education
Semester(s) in which the module is taught	1
Person responsible for the module	1. Prof. Dr Nur Nasry Noor, MPH 2. Prof. dr. Husein Albar, Sp.A(K)
Lecturer	1. Prof. Dr Nur Nasry Noor MPH. 2. Prof. dr. Husein Albar, Sp.A (K)
Language	Indonesian Language [Bahasa Indonesia]
Relation to Curriculum	This course is a compulsory course and must be passed by students before completing the first semester
Type of teaching, contact hours	<ul style="list-style-type: none"> • Learning methods in this subject are: <ul style="list-style-type: none"> • Lecture (26,67 hours) • Structured Assignment (32 hours) • Private Study (32 hours) <p>Contact hours for Theory is 90,67 hours</p>
Workload	<p>For this course, students are required to meet a minimum hours in one semester, which consist of:</p> <ul style="list-style-type: none"> • Lecture (0,89 ECTS) • Structured Assignment(1,07 ECTS) • Private Study (1,07 ECTS) <p>Total ECTS: 3,02</p>
Credit points	2 credit points (equivalent with 3,02 ECTS)
Requirements according to the examination Regulations	Students must have attended all classes and submitted all class assignments that are scheduled before final tests.
Recommended prerequisites	-
Module objective / intended learning outcomes	<p>Knowledge K1 : Able to practice medicine by realising limitations, overcoming personal problems, developing oneself, following refreshment and continuous knowledge improvement and developing knowledge for patient safety.</p> <p>Skill S1: Apply the latest basic and clinical medical sciences to manage health problems holistically and comprehensively and apply humanities, community medicine and family medicine to the management of health problems holistically and comprehensively.</p> <p>Competence C1 : Able to perform clinical procedures according to his/her authority related to the problem of health by using the principles of clinical epidemiology as well as solid evidence of fact-based medicine to improve diagnosis and for patient safety</p>

Content	<ol style="list-style-type: none"> 1. Disease frequency, morbidity and mortality 2. Validity and opportunity 3. Bias and confounding in research 4. Risks and risk indicators on causes 5. Introduction of evidence-based medicine 6. Formulate the patient's clinical problem (formulating clinical questions) 7. Internet searching (searching the evidence via the internet) 8. Critical review of downloaded evidence (appraising the evidence) 9. Application of evidence to the patient according to evidence-based medicine (apply the evidence to the patient) 10. Re-evaluate the effectiveness and efficacy of evidence that is useful and relevant to patients (evaluate the useful outcome to the patient)
Forms of Assessment	<ul style="list-style-type: none"> • 70% Theory Exam • 30% Task presentation assignment
Study and examination requirements and form of examination	<p>Study and examination requirements:</p> <ul style="list-style-type: none"> • Students must attend 15 minutes before the class start, and 30 minutes before examination start • Students must switch off all electronic devices (for offline class) • Students must switch on the camera/video during the class (for online class) • Students must inform the lecturer if they will not attend the class due to sickness, etc. • Students must submit all class assignment before the deadline • Students must attend the exam to get final grade <p>For examination: MCQ Exam and oral presentation</p>
Media Employed	Video and Power Point Presentation
Reading List	<p>Compulsory:</p> <ol style="list-style-type: none"> 1. Fletcher, Robert H., Fletcher, Suzanne W. Fletcher, and Wagner, Edward H. Clinical Epidemiology, The Essentials, Third Edition, 1996, Williams & Wilkins A Wavehy Company, Baltimore, Maryland 2. Dan Mayer, 2010, Essential Evidence-Based Medicine, Second Edition, University Press, Cambridge <p>Additional:</p> <ol style="list-style-type: none"> 3. Straus, S. E., Richardson, W. S., Glasziou, P., & Haynes, R. B. (2005). <i>Evidence-based medicine: How to practice and teach EBM</i> (3rd ed.). Elsevier Churchill Livingstone.