

UNIVERSITAS HASANUDDIN
FAKULTAS KEDOKTERAN

HANDBOOK MODUL

MAKASSAR 2021

**Internal Medicine
Specialist Program**



FOREWORD

Assalamu'alaikum Warahmatullahi Wabarakatuh

Praise and gratitude we send to Allah the Almighty, thanks to His grace and guidance, we have succeeded in present the Handbook Modul of Internal Medicine Specialist Program, Faculty of Medicine, Hasanuddin University.

The Internal Medicine Study Program has made improvements to the curriculum book and handbook modul so that the competency achievement process is in accordance with the Internal Medicine Collegium & Hasanuddin University.

To all those who have helped in the preparation of this book, we thank you for all the help and direction that has been conveyed to us.

Wabillahi taufik wal hidayah

Wassalamu'alaikum Warahmatullahi Wabarakatuh

Head of Internal Medicine Specialist Program

Dr. dr. M. Harun Iskandar, Sp.PD, K-P, Sp.P (K), FINASIM

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VISION AND MISSION OF THE PROGRAM

VISION:

To become an excellent, independent and dignified education centre to produce qualified, responsible and professional Internal Medicine Specialists who are able to compete regionally, nationally and globally in the year of 2025.

MISSIONS:

1. Organizing education of Internal Medicine Specialist based on evidence based and research.
2. Provide an excellent education of internal medicine specialist with humanism and cultural approach.
3. Increase the quantity and quality of national and international research in the field of Internal Medicine Specialist.
4. Create an accountable, responsible, independent, and integrated management system of Internal Medicine specialist study program

1. Pathophysiology and Pathogenesis

Module Name	Pathophysiology and Pathogenesis
Module level, if applicable	-
Code, if applicable	20C01510702
Subtitle, if applicable	-
Semester (s) in which the module is taught	I
Person responsible for the module	Lecturer Team
Lecturer	<ol style="list-style-type: none"> 1. Prof. dr. Harsinen Sanusi, Sp.PD-KEMD 2. Prof. Dr. dr. Ali Aspar Mappaya, SpPD, K-KV, Sp.JP (K) 3. Prof.Dr. dr. Syakib Bakri, Sp.PD, KGH 4. Prof. Dr. dr. Haerani Rasyid, M.Kes, Sp.PD, KGH, Sp.GK 5. Dr. dr. Andi Fachruddin Benyamin, Sp.PD, KHOM 6. Dr. dr. Tutik Harjianti, Sp.PD, KHOM 7. Dr. dr. Khalid Saleh, SpPD, KKV 8. Dr. dr. Pendrik Tandean, Sp.PD, K-KV 9. Dr. dr. Idar Mappangara, Sp.PD, SpJP (K) 10. dr. Wasis Udaya, Sp.PD, K-Ger 11. Dr. dr. Sahyuddin, Sp.PD, KHOM 12. dr. Rahmawati Minhajat, Ph.D, Sp.PD, KHOM 13. Dr. Dr. Hasyim Kasim, Sp.PD, KGH 14. Dr. dr. Andi Makbul Aman, Sp.PD, KEMD 15. Dr. dr. Nur Ahmad Tabri, SpPD, K-P, Sp.P 16. Dr. dr. Tutik Harjianti, SpPD, K-HOM 17. Dr. dr. Husaini Umar, Sp.PD, KEMD

	<p>18. Dr. dr. Faridin HP, Sp.PD, KR</p> <p>19. Dr. dr. Femi Syahrani, Sp.PD, KR</p> <p>20. Dr. dr. Himawan D. Sanusi, Sp.PD, KEMD</p> <p>21. dr. Sudirman Katu, Sp.PD, KPTI</p> <p>22. Dr. dr. Risna Halim, Sp.PD, KPTI</p> <p>23. dr. Dimas Bayu, Sp.PD, KHOM</p> <p>24. Dr. dr. Fardah Akil, Sp.PD, KHOM</p> <p>25. Dr. dr. Fabiola MS Adam, SpPD, K-EMD</p> <p>26. dr. Endy Adnan, SpPD, K-R, PhD</p> <p>27. dr. Agus Sudarso, SpPD, K-Ger</p> <p>28. dr. Zaenab Djafar, SpPD, SpJP</p> <p>29. Dr. dr. A.M. Luthfi Parewangi, Sp.PD, KGEH</p> <p>30. Dr. dr. Nu'man As Daud, Sp.PD, KGEH</p> <p>31. dr. Rini Rachmawarni Bachtiar, MARS, Sp.PD, KGEH</p> <p>32. dr. St. Rabiul Zatalia Ramadhan, SpPD, K-GH</p> <p>33. dr. Satriawan Abadi, SpPD, K-IC</p> <p>34. dr. Suriani Alimuddin, SpPD, K-AI</p> <p>35. dr. Susanto H. Kusuma, SpPD, K-GEH</p> <p>36. dr. Eliana Muis, SpPD, K-P</p> <p>37. dr. Amelia Rifai, SpPD, K-GEH</p> <p>38. dr. Abd. Rahman Umar, SpPD, K-R</p>
Language	Indonesian Language (Bahasa Indonesia)
Relation to Curriculum	This course offeres in the first semester
Type of teaching, content hours	<p>Teaching methods used in this course are :</p> <ul style="list-style-type: none"> • Lecture 1x50 minutes/week • Morning Report 3x30 minutes/week
Workload	For This course, students are required to meet a minimum time below for 24 weeks

Credit points	2 credit points (equivalent with 3,17 ECTS)
Requirements according to the examination regulations	-
Recommended prerequisites	No recommended prerequisites for this course
Module objectives/intended learning outcomes	<p>Knowledge (K1)</p> <ul style="list-style-type: none"> Students will be able to demonstrate and understand comprehensive concepts of disease regarding etiology, pathogenesis, pathophysiology, clinical signs, history taking and physical examinations in determining the diagnosis of internal medicine diseases.
Content	<p>Students will learn about Pathophysiology and pathogenesis of :</p> <ol style="list-style-type: none"> 1. Febrile 2. dehydration 3. Edema and ascites 4. jaundice 5. Hematemesis dan Melena 6. hemoptysis 7. Lung oedem 8. Oligouri dan anuria 9. Shock 10. Disturbance of Consciousness 11. Electrolyte and acid acid balance disorders 12. Bleeding and clotting disorders 13. Heart rhythm disorders 14. Congestive heart failure 15. Intoxication of drugs and food
Form of assessment	Tutorials/Face-to-Face

	Case Study Discussion
	Field Practice
	Field Results Seminar <ul style="list-style-type: none"> • 5 death case (1 each modul) • 5 Journal (1 each modul)
	Final Exam
Study and examination requirements and forms of examination	<u>General Assessment/Non-Test</u> <ul style="list-style-type: none"> • Presence • Liveliness • Modesty • Neatness • Log Book in the field • Individual Tasks • Presentation <u>Special Assessment/Test</u> <ul style="list-style-type: none"> • MCQ • Exam (MINI-CEX, Cbd, DOPS)
Media employed	
Reading list	Main <ol style="list-style-type: none"> 1. Sudoyo, Aru W. et al. (2015). <i>Textbooks of Internal Medicine</i>. (Issue V). Jakarta: Interna Publishing. Support <ol style="list-style-type: none"> 1. Jameson, J.L, (2018). <i>Harrison's Principles of Internal Medicine</i> (20th ed). New York: McGraw Hill Education. 2. Guyton AC, Hall JE. (2014). <i>Guyton and Hall teaching medicine physiology</i>. Elsevier, Singapore.

	3. Barret KE, Barman SM, et al. (2012). <i>Ganong's Review of Medical Physiology 24th Edition's Review of Medical Physiology.</i>
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COURSE LEARNING OUTCOME ASSESSMENT OF LEARNING OUTCOMES FOR COURSE MODULES

Course module name : PATHOPHYSIOLOGY AND PATHOGENESIS

Code : 20C01510702

Semester : I

Person responsible for the module : Lecturer Team

Lecturer :

1. Prof. dr. Harsinen Sanusi, Sp.PD-KEMD
2. Prof. Dr. dr. Ali Aspar Mappaya, SpPD, K-KV, Sp.JP (K)
3. Prof.Dr. dr. Syakib Bakri, Sp.PD, KGH
4. Prof. Dr. dr. Haerani Rasyid, M.Kes, Sp.PD, KGH, Sp.GK
5. Dr. dr. Andi Fachruddin Benyamin, Sp.PD, KHOM
6. Dr. dr. Tutik Harjianti, Sp.PD, KHOM
7. Dr. dr. Khalid Saleh, SpPD, KKV
8. Dr. dr. Pendrik Tandean, Sp.PD, K-KV
9. Dr. dr. Idar Mappangara, Sp.PD, SpJP (K)
10. dr. Wasis Udaya, Sp.PD, K-Ger
11. Dr. dr. Sahyuddin, Sp.PD, KHOM
12. dr. Rahmawati Minhajat, Ph.D, Sp.PD, KHOM
13. Dr. Dr. Hasyim Kasim, Sp.PD, KGH
14. Dr. dr. Andi Makbul Aman, Sp.PD, KEMD
15. Dr. dr. Nur Ahmad Tabri, SpPD, K-P, Sp.P
16. Dr. dr. Tutik Harjianti, SpPD, K-HOM
17. Dr. dr. Husaini Umar, Sp.PD, KEMD
18. Dr. dr. Faridin HP, Sp.PD, KR
19. Dr. dr. Femi Syahrani, Sp.PD, KR

20. Dr. dr. Himawan D. Sanusi, Sp.PD, KEMD
21. dr. Sudirman Katu, Sp.PD, KPTI
22. Dr. dr. Risna Halim, Sp.PD, KPTI
23. dr. Dimas Bayu, Sp.PD, KHOM
24. Dr. dr. Fardah Akil, Sp.PD, KHOM
25. Dr. dr. Fabiola MS Adam, SpPD, K-EMD
26. dr. Endy Adnan, SpPD, K-R, PhD
27. dr. Agus Sudarso, SpPD, K-Ger
28. dr. Zaenab Djafar, SpPD, SpJP
29. Dr. dr. A.M. Luthfi Parewangi, Sp.PD, KGEH
30. Dr. dr. Nu'man As Daud, Sp.PD, KGEH
31. dr. Rini Rachmawarni Bachtiar, MARS, Sp.PD, KGEH
32. dr. St. Rabiul Zatalia Ramadhan, SpPD, K-GH
33. dr. Satriawan Abadi, SpPD, K-IC
34. dr. Suriani Alimuddin, SpPD, K-AI
35. dr. Susanto H. Kusuma, SpPD, K-GEH
36. dr. Eliana Muis, SpPD, K-P
37. dr. Amelia Rifai, SpPD, K-GEH
38. dr. Abd. Rahman Umar, SpPD, K-R

Intended Learning Outcomes	Course Module Objectives	List of Assessments	List of Rubrics
<p>Knowledge (K1)</p> <p>Students will be able to demonstrate and understand comprehensive concepts of disease regarding etiology,</p>	<p>Students are able master basic medical science and associated with the basic concepts of disease about</p>	<p>Tutorials/Face-to-Face</p> <p>Case Study Discussion</p> <p>Field Practice</p> <p>Field Results Seminar</p> <ul style="list-style-type: none"> • 5 death case • 5 Journal 	<p><u>General Assessment/Non-Test</u></p> <p>Presence</p> <p>Liveliness</p> <p>Modesty</p> <p>Neatness</p> <p>Log Book in the field</p>

pathogenesis, pathophysiology, clinical signs, history taking and physical examinations in determining the diagnosis of internal medicine diseases (K1)	pathophysiology and pathogenesis	Final Exam	Presentation <u>Special</u> <u>Assessment/Test</u> MCQ, MINI-CEX, Cbd, DOPS
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2. Basic Internal Medicine

Module Name	Basic Internal Medicine
Module level, if applicable	-
Code, if applicable	20C01510804
Subtitle, if applicable	-
Semester (s) in which the module is taught	I
Person responsible for the module	Lecturer Team
Lecturer	<ol style="list-style-type: none"> 1. Prof. Dr. Dr. Syakib Bakri, Sp.PD, KGH 2. Dr. dr. A. Makbul Aman , Sp.PD, KEMD 3. Prof. Dr. dr. Haerani Rasyid, Sp.PD, KGH, Sp.GK 4. Dr. dr. Tutik Hardjianti, Sp.PD, KHOM 5. dr. St. Rabiul Zatalia R, Sp.PD 6. Dr. dr. Harun Iskandar, SpPD, KP
Language	Indonesian Language (Bahasa Indonesia)
Relation to Curriculum	This course offer in the first semester
Type of teaching, content hours	Teaching methods used in this course are : <ul style="list-style-type: none"> • Lecture • Death Case • Residency shift in the ward
Workload	For This course, students are required to meet a minimum time below for 12 weeks which consist of: <ul style="list-style-type: none"> • Lecture 1x50 minutes/weeks • Death Case 3x50 minutes/weeks • Residency shift in the ward 1x6 hours/weeks
Credit points	4 credit points (equivalent with 6,08 ECTS)

Requirements according to the examination regulations	-
Recommended prerequisites	No recommended prerequisites for this course
Module objectives/intended learning outcomes	<p>After Completing this division</p> <p>Knowledge:</p> <ul style="list-style-type: none"> • Students will be able to apply the concept of patient management based on clinical reasoning and Problem Oriented Medical Record (POMR) <p>Competence:</p> <ul style="list-style-type: none"> • Students will be Able to perform, making plan, interpretation, summarize and treatment plan for all problems for the patients with the general internal medicine.
Content	<p>Students will learn about :</p> <ul style="list-style-type: none"> • The basic concepts of internal medicine including: anamnesis, physical examination, supporting workup, diagnosis, patient management plan, as well as education and prognosis of patient's disease • The concept of clinical reasoning and Problem oriented Medical Record (POMR) • Able to conduct data analysis and synthesis to establish problems and establish basic examination and treatment plans, provide education and explain the prognosis of the patient's disease in the manufacture of POMR
Form of assessment	Tutorials/Face-to-Face

	Case Study Discussion
	Field Practice
	Field Results Seminar
	Final Exam
Study and examination requirements and forms of examination	<p>General Assessment(Non-test)</p> <ul style="list-style-type: none"> • Presentation <p>Special Assessment/Test:</p> <ul style="list-style-type: none"> • Mini-Cex, DOPS, CbD, and MCQ
Media employed	
Reading list	<ol style="list-style-type: none"> 1. Sudoyo, Aru W. et al. (2015). Chapter 3 in The Teaching Book of Internal Medicine. (Issue V). Jakarta: Interna Publishing. 2. Jameson, J.L, (2018). Harrison's Principles of Internal Medicine (20th ed). New York: McGraw Hill Education.

COURSE LEARNING OUTCOME ASSESSMENT OF LEARNING OUTCOMES FOR COURSE MODULES

Course module name : BASIC INTERNAL MEDICINE

Code : 20C01510804

Semester : 1

Person responsible for the module : Lecturer Team

Lecturer :

1. Prof. Dr. Dr. Syakib Bakri, Sp.PD, KGH
2. Dr. dr. A. Makbul Aman , Sp.PD, KEMD
3. Prof. Dr. dr. Haerani Rasyid, Sp.PD, KGH, Sp.GK
4. Dr. dr. Tutik Hardjianti, Sp.PD, KHOM
5. dr. St. Rabiul Zatalia R, Sp.PD
6. Dr. dr. Harun Iskandar, SpPD, KP

Intended Learning Outcomes	Course Module Objectives	List of Assessments	List of Rubrics
<p>Knowledge (K2): Students will be able to apply the concept of patient management based on clinical reasoning and Problem Oriented Medical Record (POMR).</p>	<p>Student will be able to master the basic concepts of internal medicine including: history taking, physical examination, supporting examination plan, setting diagnosis / diagnosis appeal, patient management plan, as well as education and prognosis of patient's disease</p>	<ul style="list-style-type: none"> • Tutorials/Face-to-Face • Case Study Discussion • Final exam/ 1st stage comprehensive test 	<p><u>General Assessment/Non-Test</u></p> <p>Presence Liveliness Modesty Neatness Case worksheet Liveliness Group cooperation Ability to convey ideas Discussion manners (politeness, forum ethics, effective communication)</p> <p><u>Special Assessment/Test</u></p> <p>Individual Tasks Exam (MINI-CEX, CbD) MCQ</p>

<p>Competence (C1): Students will be Able to perform, making plan, interpretation, summarize and treatment plan for all problems for the patients with the general internal medicine.</p>	<p>Student will be able to perform data analysis and synthesis to establish problems and basic examination and treatment plans, provide education and explain the prognosis of patient's disease in the POMR</p>	<ul style="list-style-type: none"> • Field Practice • Field Results Seminar 	<p><u>General Assessment</u> Log Book in the field Power point Presentation Capabilities Cooperation Liveliness Field results report</p> <p><u>Special Assessment</u> Presence in the field Work Results Cooperation Attitudes and Behaviors in the field Exam (DOPS)</p>
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3. Basic Diagnostic Skills

Module Name	Basic Diagnostic Skills
Module level, if applicable	-
Code, if applicable	20C01510606
Subtitle, if applicable	-
Semester (s) in which the module is taught	I
Person responsible for the module	Lecturer Team
Lecturer	<ol style="list-style-type: none"> 1. Prof. Dr. Dr. Syakib Bakri, Sp.PD, KGH 2. Dr. dr. A. Makbul Aman , Sp.PD, KEMD 3. Prof. Dr. dr. Haerani Rasyid, Sp.PD, KGH, Sp.GK 4. Dr. dr. Tutik Hardjianti, Sp.PD, KHOM 5. dr. St. Rabiul Zatalia R, Sp.PD 6. Dr. dr. Harun Iskandar, SpPD, KP
Language	Indonesian Language (Bahasa Indonesia)
Relation to Curriculum	This course offer in the first semester
Type of teaching, content hours	Teaching methods used in this course are : <ul style="list-style-type: none"> • Lecture • Practicum (inpatient services)
Workload	For This course, students are required to meet a minimum time below for 12 weeks which consist of: <ul style="list-style-type: none"> • Lecture 1 x 50 minutes / week • Practicum (inpatient services) 5 x 6 hours / week
Credit points	6 credit points (equivalent with 9,51 ECTS)
Requirements according to the examination regulations	

Recommended prerequisites	No recommended prerequisites for this course
Module objectives/intended learning outcomes	<p>After Completing this division</p> <p>Knowledge:</p> <ul style="list-style-type: none"> • Students will be able to demonstrate and understand comprehensive concepts of disease regarding etiology, pathogenesis, pathophysiology, clinical signs, history taking and physical examinations in determining the diagnosis of internal medicine diseases <p>Competence:</p> <ul style="list-style-type: none"> • Students will be Able to perform, making plan, interpretation, summarize and treatment plan for all problems for the patients with the general internal medicine.
Content	<p>Students will learn about :</p> <ol style="list-style-type: none"> 1. History taking skills 2. Skills to identify current disease history, past disease history, and psychosocial history 3. Physical examination skills 4. Skills in determining supporting workup 5. Skills to synthesize problems in patients 6. Basic supporting examination interpretation skills 7. Skills in determining diagnostic based on history taking, physical examination, and supporting workup
Form of assessment	Tutorials/Face-to-Face

	Case Study Discussion
	Field Practice
	Field Results Seminar
	Final exam
Study and examination requirements and forms of examination	<p>General Assessment(Non-test)</p> <ul style="list-style-type: none"> • Presentation <p><u>Special Assessment/Test</u></p> <ul style="list-style-type: none"> • MCQ, MINI-CEX, CbD, DOPS
Media employed	
Reading list	<ol style="list-style-type: none"> 1. Sudoyo, Aru W. et al. (2015). Chapter 3 in The Teaching Book of Internal Medicine. (Issue V). Jakarta: Interna Publishing. 2. Systematic Handbook For Diagnosis of Anamnesis Physic & Comprehensive Physic Examination

COURSE LEARNING OUTCOME ASSESSMENT OF LEARNING OUTCOMES FOR COURSE MODULES

Course module name : BASIC DIAGNOSTIC SKILLS

Code : 20C01510606

Semester : 1

Person responsible for the module : Lecturer Team

Lecturer :

1. Prof. Dr. Dr. Syakib Bakri, Sp.PD, KGH
2. Dr. dr. A. Makbul Aman , Sp.PD, KEMD
3. Prof. Dr. dr. Haerani Rasyid, Sp.PD, KGH, Sp.GK
4. Dr. dr. Tutik Hardjianti, Sp.PD, KHOM
5. dr. St. Rabiul Zatalia R, Sp.PD
6. Dr. dr. Harun Iskandar, SpPD, KP

Intended Learning Outcomes	Course Module Objectives	List of Assessments	List of Rubrics
<p>Knowledge (K1):</p> <p>Students will be able to demonstrate and understand comprehensive concepts of disease regarding etiology, pathogenesis, pathophysiology, clinical signs, history taking and physical examinations in determining the diagnosis of internal medicine diseases</p>	<p>Student will be able to mastering basic concepts of disease about etiology, pathogenesis, pathophysiology, clinical signs, anamnesis and physical examination as well as the steps of determining the diagnosis of the field of disease in Basic Internal Medicine</p>	<ul style="list-style-type: none"> • Tutorials/Face-to-Face • Case Study Discussion • Final exam 	<p><u>General Assessment/Non-Test</u></p> <p>Presence</p> <p>Liveliness</p> <p>Modesty</p> <p>Neatness</p> <p>Case worksheet</p> <p>Liveliness</p> <p>Group cooperation</p> <p>Ability to convey ideas</p> <p>Discussion manners (politeness, forum ethics, effective communication)</p> <p><u>Special Assessment/Test</u></p> <p>Exam (MINI-CEX, CbD)</p> <p>MCQ</p>
<p>Competence (C1):</p> <p>Students will be Able to perform, making plan, interpretation, summarize and</p>	<p>Student will be able to summarize interpretation of anamnesis, physical examination,</p>	<ul style="list-style-type: none"> • Field Practice • Field Results Seminar 	<p><u>General Assessment</u></p> <p>Log Book in the field</p> <p>Power point</p>

<p>treatment plan for all problems for the patients with the general internal medicine.</p>	<p>laboratory tests, and appropriate procedures specializing in internal medicine</p>		<p>Presentation Capabilities Cooperation Liveliness Field results report</p> <p><u>Special Assessment</u></p> <p>Presence in the field Work Results Cooperation Attitudes and Behaviors in the field Exam (DOPS)</p>
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4. Molecular Biology

Module Name	Molecular Biology
Module level, if applicable	-
Code, if applicable	20C01510402
Subtitle, if applicable	-
Semester (s) in which the module is taught	I
Person responsible for the module	Lecturer Team
Lecturer	<ol style="list-style-type: none"> 1. Prof. dr. Rosdiana Natzir, PhD 2. dr. Marhaen Hardjo, M.Biomed., PhD
Language	Indonesian Language (Bahasa Indonesia)
Relation to Curriculum	This course offeres in the first semester
Type of teaching, content hours	Teaching methods used in this course are : <ul style="list-style-type: none"> • Lecture 1 x 50 minutes / week • Presentation 1 x 50 minutes / week
Workload	For This course, students are required to meet a minimum time below for 16 weeks which consist of: <ul style="list-style-type: none"> • Lecture • Presentation
Credit points	2 credit points (equivalent with 3,17 ECTS)
Requirements according to the examination regulations	-
Recommended prerequisites	No recommended prerequisites for this course
Module objectives/intended learning outcomes	Students will be able to demonstrate and understand comprehensive concepts of disease regarding etiology, pathogenesis, pathophysiology, clinical signs, history

	taking and physical examinations in determining the diagnosis of internal medicine diseases (K1)	
Content	<p>Students will learn about :</p> <ol style="list-style-type: none"> 1. Basic characteristics of cell 2. Chemical foundation of living things 3. Cellular organization and its functions 4. Central dogma of molecular biology 5. Cell signaling and signal transduction 6. Cell cycle 7. Stem cells and tissue regeneration 8. Senescence, quiescence, and cell death 9. Extracellular environment 10. Basics of cancer biology 11. DNA replication, repair and recombination in cells 12. Isolation and cell culture as well as cell fractionation. 13. Basics of computational and bioinformatics biology 	
Form of assessment	Tutorials/Face-to-Face	30%
	Case Study Discussion	15%
	Field Practice	30%
	Field Results Seminar	25%
Study and examination requirements and forms of examination	<p><u>General Assessment/Non-Test</u></p> <ul style="list-style-type: none"> • Presence • Liveliness • Modesty • Neatness • Log Book in the field 	

	<u>Special Assessment/Test</u> <ul style="list-style-type: none"> • Quiz • Individual Tasks • Exam
Media employed	
Reading list	<ol style="list-style-type: none"> 1. Alberts B, Johnson A, Lewis J, Morgan D, Raff M, Roberts K, and Walter P. (2015). Molecular Biology of the Cell 6th ed. New York: Garland Science, Taylor & Francis Group. 2. Iwasa J and Marshal W. (2016). Karp's Cell and Molecular Biology Concepts and Experiments 8th ed. Hoboken, New Jersey: John Wiley & Sons. 3. Lodish H, Berk A, Kaiser CA, Krieger M, Bretscher A, Ploegh H, Ammon A, and Martin K. (2016). Molecular Cell Biology 8th ed. New York: WH Freeman, Macmillan Learning. 4. Research/ Review of articles from various journals given

COURSE LEARNING OUTCOME ASSESSMENT OF LEARNING OUTCOMES FOR COURSE MODULES

Course module name : Cell and Molecular Biology

Code : 20C01510402

Semester : I

Person responsible for the module : Lecturer Team

Lecturer :

1. Prof. dr. Rosdiana Natzir, PhD
2. dr. Marhaen Hardjo, M.Biomed., PhD

Intended Learning Outcomes	Course Module Objectives	List of Assessments	List of Rubrics
<p>Knowledge (K1): Students will be able to demonstrate and understand comprehensive concepts of disease regarding etiology, pathogenesis, pathophysiology, clinical signs, history taking and physical examinations in determining the diagnosis of internal medicine diseases</p>	<p>students are able to have a solid scientific basis on: molecular foundation of cell constituents; central dogma of molecular biology; composition and structure of cells, how they work and intracellular and inter-cellular interactions and cell interactions with their environment; cell journeys range from division, aging, to death; stem cell basics; the biological basis of cell transformation; and the basics of computer and bioinformaticsbiology for the development of biomedical sciences through research.</p>	<p>Tutorials/Face-to-Face Case Study Discussion Field Practice Field Results Seminar</p>	<p><u>General Assessment/Non-Test</u> Presence Liveliness Modesty Neatness Log Book in the field</p> <p><u>Special Assessment/Test</u> Quiz Individual Tasks Exam</p>

5. Medical Epidemiology

Module Name	Medical Epidemiology
Module level, if applicable	-
Code, if applicable	20C01510502
Subtitle, if applicable	-
Semester (s) in which the module is taught	I
Person responsible for the module	Lecturer Team
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 offers in the first semester
Type of teaching, content hours	Teaching methods used in this course are : Lectures, discussions and independent learning with 2 x 50 ' / week
Workload	For This course, students are required to meet a minimum time below for 10 weeks.
Credit points	2 credit points (equivalent with 3,17 ECTS)
Requirements according to the examination regulations	-
Recommended prerequisites	No recommended prerequisites for this course
Module objectives/intended learning outcomes	Students will be able to demonstrate and understand comprehensive concepts of disease regarding etiology, pathogenesis, pathophysiology, clinical signs, history taking and physical examinations in determining the diagnosis of internal medicine diseases.
Content	1. Frequency of disease, morbidity and mortality

	<ol style="list-style-type: none"> 2. Validity and opportunities 3. Bias and role in research 4. Risks and risk indicators on the causes 5. Introduction to evidence-based medicine 6. Formulate patient clinical problems (formulating clinical questions) 7. Internet browsing (searching the evidence via internet) 8. Appraising the evidence 9. Application of evidence in patients according to evidence-based medicine (apply the evidence to the patient) 10. Re-evaluation of the effectiveness of dane efficiency of evidence that is useful and relevant to the patient (evaluate the useful outcome to the patient) 	
Form of assessment	Tutorials/Face-to-Face	30%
	Case Study Discussion	15%
	Field Practice	30%
	Field Results Seminar	25%
Study and examination requirements and forms of examination	<u>General Assessment/Non-Test</u> <ul style="list-style-type: none"> • Presence • Liveliness • Modesty • Neatness • Log Book in the field 	

	<p><u>Special Assessment/Test</u></p> <ul style="list-style-type: none"> • Quiz • Individual Tasks • Exam
Media employed	
Reading list	<p>Main :</p> <ol style="list-style-type: none"> 1. Fletcher, Robert H., Fletcher, Suzanne W. Fletcher, and Wagner, Edward H. <i>Clinical Epidemiology, The Essentials</i>, Third Edition, 1996 , Williams & Wilkinsm A Wavehy Company, Baltimore, Maryland 2. Strauss SE, Richardson WS, Glasziou P, Haynes RB. 3rd Edition Elsevier Churchill Livingstone. Edinburgh, London, New York,Oxford, Philadelphia,Toronto 2005. <p>Support</p> <ol style="list-style-type: none"> 1. Dan Mayer, 2010, Essential Evidence-Based Medicine, Second Edition, University Press, Cambridge

COURSE LEARNING OUTCOME ASSESSMENT OF LEARNING OUTCOMES FOR COURSE MODULES

Course module name : Clinical Epidemiology

Code : 20C01510502

Semester : I

Person responsible for the module : Lecturer Team

Lecturer :

1. Prof. Dr. Nur Nasry Noor MPH.
2. Prof. Dr. Husein Albar, Sp.A (K)

Intended Learning Outcomes	Course Module Objectives	List of Assessments	List of Rubrics
<p>Knowledge (K1):</p> <p>Students will be able to demonstrate and understand comprehensive concepts of disease regarding etiology, pathogenesis, pathophysiology, clinical signs, history taking and physical examinations in determining the diagnosis of internal medicine diseases.</p>	<p>Applying the latest basic medical sciences and clinics to manage health problems holistically and comprehensively and apply humanities, community medicine and family medicine to holistic and comprehensive management of health problems</p>	<p>Tutorials/Face-to-Face</p> <p>Case Study</p> <p>Discussion</p> <p>Field Practice</p> <p>Field Results Seminar</p>	<p><u>General Assessment/Non-Test</u></p> <p>Presence</p> <p>Liveliness</p> <p>Modesty</p> <p>Neatness</p> <p>Log Book in the field</p> <p><u>Special Assessment/Test</u></p> <p>Quiz</p> <p>Individual Tasks</p> <p>Exam</p>

6. Medicolegal Ethics

Module Name	Medicolegal Ethics
Module level, if applicable	-
Code, if applicable	20C01510102
Subtitle, if applicable	-
Semester (s) in which the module is taught	I
Person responsible for the module	Lecturer team
Lecturer	<ol style="list-style-type: none"> 1. Dr. Cahyono Kaelan, Ph.D, Sp.PA (K), Sp.S 2. DR.Dr. Gatot Susilo Lawrence, Sp.PA (K), Sp.F, FESC
Language	Indonesian Language (Bahasa Indonesia)
Relation to Curriculum	This division offeres in the first semester
Type of teaching, content hours	Teaching methods used in this course are : <ul style="list-style-type: none"> • Interactive Lecture 1 x 50 minutes / week • Presentation 1 x 40 minutes / week
Workload	For This course, students are required to meet a minimum time below for 16 weeks which consist of: <ul style="list-style-type: none"> • Interactive Lecture 1 x 50 minutes / week • Presentation 1 x 40 minutes / week
Credit points	2 credit points (equivalent with 3,17 ECTS)
Requirements according to the examination regulations	
Recommended prerequisites	No recommended prerequisites for this course
Module objectives/intended learning outcomes	Attitude (A1) : Students will be able to show attitude with cultural sensitivity based on ethical principles and doctor legal aspects (Hippocrates oaths)

Content	<ol style="list-style-type: none"> 1. Ethics, Professional Ethics, and Basic Principles of Medical Ethics 2. Indonesian Code of Medical Ethics (IDI) 3. DNR, Euthanasia, Terminally ill 4. Medical Error 5. Medical Risk 6. Medical Negligence 7. Medical Malpractice 8. Health Laws and Regulations 9. Relationships between doctors and patients, colleagues, and other healthcare workers 10. Confidentiality of Medical Records 11. Informed Consent 12. Research Ethics (Helsinki Statement) 13. Clinical Trials, Animal Trials, and Biological Materials Tests
Form of assessment	<p>Tutorials/Face-to-Face</p> <hr/> <p>Case Study Discussion</p> <hr/> <p>Field Practice</p> <hr/> <p>Field Results Seminar</p>
Study and examination requirements and forms of examination	<p><u>General Assessment/Non-Test</u></p> <ul style="list-style-type: none"> • Presence • Liveliness • Modesty • Neatness • Log Book in the field

	<u>Special Assessment/Test</u> <ul style="list-style-type: none"> • Individual Tasks / Presentation • Exam (MCQ)
Media employed	
Reading list	Main: <ol style="list-style-type: none"> 1. Indonesian Doctor Competency Standard, KKI, 2012 Supporters : <ol style="list-style-type: none"> 2. UNESCO Standard of Bioethics in Medical Education, 2014 3. WHO Framework of Interprofessional Collaboration Practice, 2010

Course Learning Outcome assessment of learning outcomes for course modules

Course module name : MEDICOLEGAL ETHICS

Code : 20C01510102

Semester : I

Person responsible for the module : Lecturer Team

Lecturer :

1. Dr. Cahyono Kaelan, Ph.D, Sp.PA (K), Sp.S
2. Dr. dr. Gatot Susilo Lawrence, Sp.PA (K), Sp.F, FESC

Intended Learning Outcomes	Course Module Objectives	List of Assessments	List of Rubrics
Attitude (A1) Students will be able to show attitude with cultural sensitivity based on ethical principles and doctor	Students are able to master, live the principles of the ethics of the medical profession and apply them in the services	Tutorials/Face-to-Face Case Study Discussion Field Practice Field Results Seminar	<u>General Assessment/Non-Test</u> Presence Liveliness Modesty Neatness

<p>legal aspects (Hippocrates oaths)</p>	<p>of the medical profession, health, education, research and be able to know the violations of the ethics of the medical and medical profession so as to improve the quality and quality of services of the medical profession</p>		<p>Log Book in the field</p> <p><u>Special</u> <u>Assessment/Test</u> Individual Tasks Exam /(MCQ)</p>
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7. Basic Medical Skills

Module Name	Basic Medical Skills
Module level, if applicable	-
Code, if applicable	20C01511006
Subtitle, if applicable	-
Semester (s) in which the module is taught	II
Person responsible for the module	Lecturer Team
Lecturer	<ol style="list-style-type: none"> 1. Prof. Dr. Dr. Syakib Bakri, Sp.PD, KGH 2. Prof. dr. Harsinen Sanusi, Sp.PD, KEMD 3. Prof. Dr. dr. Haerani Rasyid, M.Kes, Sp.PD, KGH, Sp.GK 4. Dr. dr. Andi Fachruddin Benyamin, Sp.PD, KHOM 5. Dr. dr. Tutik Harjianti, Sp.PD, KHOM 6. Dr. dr. Sahyuddin, Sp.PD, KHOM 7. dr. Rahmawati Minhajat, Ph.D, Sp.PD, KHOM 8. Dr. Dr. Hasyim Kasim, Sp.PD, KGH 9. Dr. dr. Andi Makbul Aman, Sp.PD, KEMD 10. Dr. dr. Husaini Umar, Sp.PD, KEMD 11. Dr. dr. Faridin HP, Sp.PD, KR 12. Dr. dr. Femi Syahrani, Sp.PD, KR 13. Dr. dr. Himawan D. Sanusi, Sp.PD, KEMD 14. dr. Sudirman Katu, Sp.PD, KPTI 15. Dr. dr. Risna Halim, Sp.PD, KPTI 16. dr. Dimas Bayu, Sp.PD, KHOM 17. Dr. dr. Fardah Akil, Sp.PD, KHOM 18. Dr. dr. A.M. Luthfi Parewangi, Sp.PD, KGEH

	<p>19. Dr. dr. Nu'man As Daud, Sp.PD, KGEH</p> <p>20. dr. Rini Rachmawarni Bachtiar, MARS, Sp.PD, KGEH</p>
Language	Indonesian Language (Bahasa Indonesia)
Relation to Curriculum	This course offeres in the second semester
Type of teaching, content hours	<p>Teaching methods used in this course are :</p> <ul style="list-style-type: none"> • Lecture 1 x 50 minutes / week • Practicum (inpatient services) 5 x 6 hours / week
Workload	<p>For This course, students are required to meet a minimum time below for 24 weeks which consist of:</p> <ul style="list-style-type: none"> • Lecture 1x50 minutes/week • Inpatient visitation 5x6 hours / week
Credit points	6 credit points (equivalent with 9,51 ECTS)
Requirements according to the examination regulations	
Recommended prerequisites	No recommended prerequisites for this course
Module objectives/intended learning outcomes	<p>After Completing this division</p> <p>Competence:</p> <p>Students will be able to perform the history taking, physical examination, laboratory tests, procedures in accordance with the specialization of internal medicine to make a diagnosis, by referring to evidence-based medicine</p>
Content	<p>Students will learn about :</p> <ul style="list-style-type: none"> • Physical examination and support • Medical action of internal medicine
Form of assessment	Tutorials/Face-to-face
	Case study Discussion

	Field Practice
	Field Results Seminar
	Final exam & 2 nd stage comprehensive test
Study and examination requirements and forms of examination	<u>General Assessment/Non-Test</u> <ul style="list-style-type: none"> • Presentation <u>Special Assessment/Test</u> <ul style="list-style-type: none"> • MCQ • Exam (MINI-CEX, CbD, DOPS)
Media employed	
Reading list	<ol style="list-style-type: none"> 1. Technical Manual of Examination and Clinical Procedures of Internal Medicine 2. Jameson, J.L, (2018). <i>Harrison's Principles of Internal Medicine</i> (20th ed). New York: McGraw Hill Education.

COURSE LEARNING OUTCOME ASSESSMENT OF LEARNING OUTCOMES FOR COURSE MODULES

Course module name : BASIC MEDICAL SKILLS

Code : 20C01511006

Semester : 2

Person responsible for the module : Lecturer Team

Lecturer :

1. Prof. Dr. Dr. Syakib Bakri, Sp.PD, KGH
2. Prof. dr. Harsinen Sanusi, Sp.PD, KEMD
3. Prof. Dr. dr. Haerani Rasyid, M.Kes, Sp.PD, KGH, Sp.GK
4. Dr. dr. Andi Fachruddin Benyamin, Sp.PD, KHOM
5. Dr. dr. Tutik Harjianti, Sp.PD, KHOM
6. Dr. dr. Sahyuddin, Sp.PD, KHOM
7. dr. Rahmawati Minhajat, Ph.D, Sp.PD, KHOM
8. Dr. Dr. Hasyim Kasim, Sp.PD, KGH

9. Dr. dr. Andi Makbul Aman, Sp.PD, KEMD
10. Dr. dr. Husaini Umar, Sp.PD, KEMD
11. Dr. dr. Faridin HP, Sp.PD, KR
12. Dr. dr. Femi Syahriani, Sp.PD, KR
13. Dr. dr. Himawan D. Sanusi, Sp.PD, KEMD
14. dr. Sudirman Katu, Sp.PD, KPTI
15. Dr. dr. Risna Halim, Sp.PD, KPTI
16. dr. Dimas Bayu, Sp.PD, KHOM
17. Dr. dr. Fardah Akil, Sp.PD, KHOM
18. Dr. dr. A.M. Luthfi Parewangi, Sp.PD, KGEH
19. Dr. dr. Nu'man As Daud, Sp.PD, KGEH
20. dr. Rini Rachmawarni Bachtiar, MARS, Sp.PD, KGEH

Intended Learning Outcomes	Course Module Objectives	List of Assessments	List of Rubrics
Competence (C2): Students will be able to perform the history taking, physical examination, laboratory tests, procedures in accordance with the specialization of internal medicine to make a diagnosis, by referring to evidence-based medicine	Students will able to perform basic medical skills in internal medicine	Tutorials/Face-to-Face	<u>General Assessment/Non-Test</u> Presence Liveliness Modesty Neatness Presentation <u>Special Assessment/Test</u> MCQ Exam (MINI-CEX, CbD, DOPS)

8. Emergency

Module Name	Emergency
Module level, if applicable	-
Code, if applicable	20C01510906
Subtitle, if applicable	-
Semester (s) in which the module is taught	II
Person responsible for the module	Lecturer Team
Lecturer	<ol style="list-style-type: none"> 1. dr. Satriawan Abadi, Sp.PD, KIC 2. dr. Agus Sudarso, Sp.PD, KGER 3. dr. Nasrum Mahmud, Sp.PD 4. dr. Arianti Ulfah, Sp.PD 5. dr. Taha Albaar, Sp.PD 6. dr. Akhyar Albar, Sp.PD 7. Prof. Dr. Dr. Syakib Bakri, Sp.PD, KGH 8. Prof. dr. Harsinen Sanusi, Sp.PD, KEMD 9. Prof. Dr. dr. Haerani Rasyid, M.Kes, Sp.PD, KGH, Sp.GK 10. Dr. dr. Andi Fachruddin Benyamin, Sp.PD, KHOM 11. Dr. dr. Tutik Harjianti, Sp.PD, KHOM 12. Dr. dr. Sahyuddin, Sp.PD, KHOM 13. dr. Rahmawati Minhajat, Ph.D, Sp.PD, KHOM 14. Dr. Dr. Hasyim Kasim, Sp.PD, KGH 15. Dr. dr. Andi Makbul Aman, Sp.PD, KEMD 16. Dr. dr. Husaini Umar, Sp.PD, KEMD 17. Dr. dr. Faridin HP, Sp.PD, KR 18. Dr. dr. Femi Syahriani, Sp.PD, KR

	<p>19. Dr. dr. Himawan D. Sanusi, Sp.PD, KEMD</p> <p>20. dr. Sudirman Katu, Sp.PD, KPTI</p> <p>21. Dr. dr. Risna Halim, Sp.PD, KPTI</p> <p>22. dr. Dimas Bayu, Sp.PD, KHOM</p> <p>23. Dr. dr. Fardah Akil, Sp.PD, KHOM</p> <p>24. Dr. dr. A.M. Luthfi Parewangi, Sp.PD, KGEH</p> <p>25. Dr. dr. Nu'man As Daud, Sp.PD, KGEH</p> <p>26. dr. Rini Rachmawarni Bachtiar, MARS, Sp.PD, KGEH</p>
Language	Indonesian Language (Bahasa Indonesia)
Relation to Curriculum	This course offeres in the second semester
Type of teaching, content hours	<p>Teaching methods used in this course are :</p> <ul style="list-style-type: none"> • Lecture 1 x 50 minutes / week • Practicum (emergency patient care) 5 x 6 hours / week
Workload	<p>For This course, students are required to meet a minimum time below for 24 weeks which consist of:</p> <ul style="list-style-type: none"> • Lecture 1x50 minutes/week • Practicum (emergency patient care) 5 x 6 hours / week
Credit points	6 credit points (equivalent with 9,51 ECTS)
Requirements according to the examination regulations	
Recommended prerequisites	No recommended prerquisities for this course
Module objectives/intended learning outcomes	<p>After Completing this division</p> <p>Competence:</p> <ul style="list-style-type: none"> • Students will be able to reach the level of competences which has been declared by Indonesian

	<p>Medical Council (KKI) as General Internal Medicine Specialist. Through the training of how to perform diagnosis and clinical management in each divisions in internal medicine; Endocrine and Metabolic, Nephrology Hypertension, Pulmonology, Infection and Tropical Disease, Rheumatology, Hematology and Medical Oncology, Cardiology, Gastroenterohepatology, Geriatric and Geriantology, Allergic Immunology and Psychosomatic.</p> <ul style="list-style-type: none"> • Students will be able to manage independently and /or lead a team work in problem solving internal medicine diseases in Outpatient, Emergency Department, Inpatient and Intensive Care Unit through inter, multi, and transdisciplinary approaches to improve curative, reduce morbidity and mortality rates.
<p>Content</p>	<p>Students will learn about :</p> <ol style="list-style-type: none"> 1. Metabolic acidosis 2. Metabolic alkalosis 3. Respiratory acidosis 4. Alkalosis respiratorik 5. Hyponatremia and hypernatremia 6. Hypokalemia and hyperkalemia 7. Hypomagnesium and hypermagnesium 8. Distributive shock 9. Cardiogenic shock 10. Hypovolemic shock 11. Neurogenic shock 12. Hypoglycemia

	<p>13. Ketoacidosis diabetic</p> <p>14. <i>Hyperosmolar hyperglycemia state</i></p> <p>15. Synkop</p> <p>16. <i>Acute confusional state</i></p> <p>17. Comma</p> <p>18. Hemoptoe</p> <p>19. Dyspneu and cyanosis</p> <p>20. Respiratory failure</p> <p>21. Chest pain</p> <p>22. <i>Acute coronary syndrome</i></p>
Form of assessment	Tutorials/Face-to-face
	Case study Discussion
	Field Practice
	Field Results Seminar
	Final Exam
Study and examination requirements and forms of examination	<p><u>General Assessment/Non-Test</u></p> <ul style="list-style-type: none"> • Presentation <p><u>Special Assessment/Test</u></p> <ul style="list-style-type: none"> • MCQ • Exam (MINI-CEX, CbD, DOPS)
Media employed	
Reading list	<ol style="list-style-type: none"> 1. Jameson, J.L, (2018). <i>Harrison's Principles of Internal Medicine</i> (20th ed). New York: McGraw Hill Education. 2. Sudoyo, Aru W. et al. (2015). Chapter 25 in <i>The Teaching Book of Internal Medicine</i>. (Issue V). Jakarta: Interna Publishing.

	<p>3. Tintinalli JE, Stapczynski JS, Ma OJ. (2018). <i>Tintinalli's Emergency Medicine Manual</i>. (8th Ed). New York: McGraw Hill Education.</p>
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COURSE LEARNING OUTCOME ASSESSMENT OF LEARNING OUTCOMES FOR COURSE MODULES

Course module name : EMERGENCY

Code : 20C01510906

Semester : 2

Person responsible for the module : Lecturer Team

Lecturer :

1. dr. Satriawan Abadi, Sp.PD, KIC
2. dr. Agus Sudarso, Sp.PD, KGER
3. dr. Nasrum Mahmud, Sp.PD
4. dr. Arianti Ulfah, Sp.PD
5. dr. Taha Albaar, Sp.PD
6. dr. Akhyar Albar, Sp.PD
7. Prof. Dr. Dr. Syakib Bakri, Sp.PD, KGH
8. Prof. dr. Harsinen Sanusi, Sp.PD, KEMD
9. Prof. Dr. dr. Haerani Rasyid, M.Kes, Sp.PD, KGH, Sp.GK
10. Dr. dr. Andi Fachruddin Benyamin, Sp.PD, KHOM
11. Dr. dr. Tutik Harjianti, Sp.PD, KHOM
12. Dr. dr. Sahyuddin, Sp.PD, KHOM
13. dr. Rahmawati Minhajat, Ph.D, Sp.PD, KHOM
14. Dr. Dr. Hasyim Kasim, Sp.PD, KGH
15. Dr. dr. Andi Makbul Aman, Sp.PD, KEMD
16. Dr. dr. Husaini Umar, Sp.PD, KEMD
17. Dr. dr. Faridin HP, Sp.PD, KR
18. Dr. dr. Femi Syahrani, Sp.PD, KR
19. Dr. dr. Himawan D. Sanusi, Sp.PD, KEMD

20. dr. Sudirman Katu, Sp.PD, KPTI
21. Dr. dr. Risna Halim, Sp.PD, KPTI
22. dr. Dimas Bayu, Sp.PD, KHOM
23. Dr. dr. Fardah Akil, Sp.PD, KHOM
24. Dr. dr. A.M. Luthfi Parewangi, Sp.PD, KGEH
25. Dr. dr. Nu'man As Daud, Sp.PD, KGEH
26. dr. Rini Rachmawarni Bachtiar, MARS, Sp.PD, KGEH

Intended Learning Outcomes	Course Module Objectives	List of Assessments	List of Rubrics
<p>Competence (C3):</p> <p>Students will be able to reach the level of competences which has been declared by Indonesian Medical Council (KKI) as General Internal Medicine Specialist.</p> <p>Through the training of how to perform diagnosis and clinical management in each divisions in internal medicine; Endocrine and Metabolic, Nephrology Hypertension, Pulmonology, Infection and Tropical Disease, Rheumatology, Hematology and Medical Oncology,</p>	<p>Able to perform clinical diagnosis and management in the emergency field according to the problem, patient needs and authority</p>	<p>Tutorials/Face-to-Face</p>	<p><u>General Assessment/Non-Test</u></p> <p>Presence</p> <p>Liveliness</p> <p>Modesty</p> <p>Neatness</p> <p>Presentation</p> <p><u>Special Assessment/Test</u></p> <p>MCQ</p> <p>Exam (MINI-CEX, Cbd)</p>

<p>Cardiology, Gastroenterohepatology, Geriatric and Geriantology, Allergic Immunology and Psychosomatic.</p>			
<p>Competence (C4): Students will be able to manage independently and /or lead a team work in problem solving internal medicine diseases in Outpatient, Emergency Department, Inpatient and Intensive Care Unit through inter, multi, and transdisciplinary approaches to improve curative, reduce morbidity and mortality rates.</p>		<p>Field Practice</p>	<p><u>General Assessment</u> Log Book in the field</p> <p><u>Special Assessment</u> Presence in the field Work Results Cooperation Attitudes and Behaviors in the field DOPS</p>

9. Research Methods

Module Name	Research Methods
Module level, if applicable	-
Code, if applicable	20C01510302
Subtitle, if applicable	-
Semester (s) in which the module is taught	I
Person responsible for the module	Lecturer team
Lecturer	1.Prof. Dr. Dasril Daud, Sp. A(K) 2.Prof. Dr. dr. Suryani As'ad, Msc Sp.GK
Language	Indonesian Language (Bahasa Indonesia)
Relation to Curriculum	This course offers in the first semester
Type of teaching, content hours	Teaching methods used in this course are : Lecture 2x50 minutes/week
Workload	Lecture 2x50 minutes/week
Credit points	2 credit points (equivalent with 3,17 ECTS)
Requirements according to the examination regulations	-
Recommended prerequisites	No recommended prerequisites for this course
Module objectives/intended learning outcomes	Skills (S1) Students will be able to Apply logical, critical, systematic, and creative thinking through scientific writings, conduct scientific research in internal medicine and published in an accredited journal
Content	1. Basic principles and objectives of research methodology

	<ol style="list-style-type: none"> 2. Scientific and non-scientific approach, definition of research and looking for literature. 3. Development of research problems, determination of research objectives, writing research titles. 4. Literature Review 5. Theoretics framework development 6. Concept framework development 7. Research Hypothesis 8. Identification, classification of research variables, operational definitions and objective variable criteria 9. Observational research design 10. Experimental research design 11. Populations and sampling 12. Instrumentation and measurement 13. Research ethics 14. Research report 	
Form of assessment	Tutorials/Face-to-Face	30%
	Case Study Discussion	15%
	Field Practice	30%
	Field Results Seminar	25%
Study and examination requirements and forms of examination	<u>General Assessment/Non-Test</u> <ul style="list-style-type: none"> • Presence • Liveliness • Modesty • Neatness • Log Book in the field 	

	<u>Special Assessment/Test</u> <ul style="list-style-type: none"> • Quiz • Individual Tasks • Exam
Media employed	
Reading list	Main: <ol style="list-style-type: none"> 1. Designing Clinical Research, Stephen B. Hulley & Steven Cummings 2. Medical Epidemiology, Raymond S. Greenberg cs Supporters : <ol style="list-style-type: none"> 1. Basic Clinical Methodology, Sudigdo Sastroasmoro & Sofyan Ismael,

Course Learning Outcome assessment of learning outcomes for course modules

Course module name : Research Methods

Code : 20C01510302

Semester : I

Person responsible for the module : Lecturer Team

Lecturer :

1. Prof. Dr. Dasril Daud, Sp. A(K)

2. Prof. Dr. dr. Suryani As'ad, Msc Sp.GK

Intended Learning Outcomes	Course Module Objectives	List of Assessments	List of Rubrics
Skill (S1) Students will be able to Apply logical, critical, systematic,	students are expected to be able to implement procedures to	Tutorials/Face-to-Face Case Study Discussion Field Practice Field Results Seminar	<u>General Assessment/Non-Test</u> Presence Liveliness

<p>and creative thinking through scientific writings, conduct scientific research in internal medicine and published in an accredited.</p>	<p>develop proposals to conduct research, assess the results of research and publish them.</p>		<p>Modesty Neatness Log Book in the field <u>Special</u> <u>Assessment/Test</u> Quiz Individual Tasks Exam</p>
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10. Biostatistics and Computer Statistics

Module Name	Biostatistics and Computer Statistics
Module level, if applicable	-
Code, if applicable	20C01510202
Subtitle, if applicable	-
Semester (s) in which the module is taught	I
Person responsible for the module	Lecturer Team
Lecturer	<ol style="list-style-type: none"> 1. Dr. dr. Burhanuddin Bahar, MS. 2. Dr. andi Alfian Zainuddin, MKM 3. dr. Gita Vita Soraya, PhD
Language	Indonesian Language (Bahasa Indonesia)
Relation to Curriculum	This course offers in the first semester
Type of teaching, content hours	<p>Teaching methods used in this course are :</p> <ul style="list-style-type: none"> • Online meeting via Zoom or other platform (TM: 1 x 50' / week) • Online presentations and discussions (TM : 1 x 50 / week) • Online lectures, presentations, and discussions (via Zoom or other online meeting platforms) 2x 50' / weeks
Workload	<p>For This course, students are required to meet a minimum time below for 16 weeks which consist of:</p> <p>Lecture , Presentation, discussion, SPSS hand-on</p>
Credit points	2 credit points (equivalent with 3,17 ECTS)
Requirements according to the examination regulations	<ol style="list-style-type: none"> 1. Able to attend lectures at least 80% attendance 2. Able to do assignments responsibly

	3. Able to do tasks without performing various plagiarism actions (including <i>copy-paste</i>)
Recommended prerequisites	No recommended prerequisites for this course
Module objectives/intended learning outcomes	Students will be able to Apply logical, critical, systematic, and creative thinking through scientific writings, conduct scientific research in internal medicine and published in an accredited journal
Content	<p>Students will learn about :</p> <ol style="list-style-type: none"> 1. Basic concepts of statistics 2. Populations and samples 3. Parametric and non-parametric statistics 4. Hypothesis test selection procedure 5. Descriptive Statistics 6. Comparative hypothesis test of numeric variables 7. Categorical variable hypothesis test 8. Correlative hypothesis 9. Multivariate analysis 10. Diagnostic test analysis 11. <i>Systematic review dan meta analysis</i>
Form of assessment	Tutorials/Face-to-Face
	Case Study Discussion
	Field Practice
	Field Results Seminar
Study and examination requirements and forms of examination	<p><u>General Assessment/Non-Test</u></p> <ul style="list-style-type: none"> • Presence • Liveliness • Modesty • Neatness

	<ul style="list-style-type: none"> • Log Book in the field • Presentation <p><u>Special Assessment/Test</u></p> <ul style="list-style-type: none"> • Exam MCQ
Media employed	
Reading list	<ol style="list-style-type: none"> 1. Dunn JO, Clark VA. (2009). Basic Statistics: a primer for the biomedical sciences (p. 1 - 34). 2. Yan F, Robert M, Li Y. (2017). Statistical methods and common problems in medical or biomedical science research (p. 1 – 7). 3. Dahlan MS. (2011). Statistics for medicine and health: descriptions, bivariates, and multivariates are equipped with applications using SPSS. Jakarta: Publisher Salemba Medika. 4. Tawfik GM, et al. A step by step guide for conducting a systematic review and meta-analysis with simulation data. Tropical Medicine and Health (2019)47:46. 5. Munn Z, et al. What kind of systematic review should I conduct? A proposed typology and guidance for systematic reviewers in the medical and health sciences. BMC Medical Research Methodology (2018) 18:5 6. Mikolajewicz N, Komarova SV. Meta-Analytic Methodology for Basic Research: A Practical Guide. Front. Physiol., 27 March 2019. https://doi.org/10.3389/fphys.2019.00203 7. Textbooks / research article / review articles from various journals given by the author

COURSE LEARNING OUTCOME ASSESSMENT OF LEARNING OUTCOMES FOR COURSE MODULES

Course module name : Biostatistic and Computer Statistic

Code : 20C01510202

Semester : I

Person responsible for the module : Lecturer Team

Lecturer :

1. Dr. Dr. Burhanuddin Bahar, MS.
2. dr. Andi Alfian Zainuddin, MKM
3. dr. Gita Vita Soraya, PhD

Intended Learning Outcomes	Course Module Objectives	List of Assessments	List of Rubrics
<p>Skill (S1) :</p> <p>Students will be able to Apply logical, critical, systematic, and creative thinking through scientific writings, conduct scientific research in internal medicine and published in an accredited journal.</p>	<p>students are able to apply appropriate statistical tests in the processing of research data to reach the right conclusions and can be accounted for scientifically and able to compile systematic reviews and meta analysis correctly</p>	<p>Tutorials/Face-to-Face Case Study Discussion Field Practice Field Results Seminar</p>	<p><u>General</u> <u>Assessment/Non-Test</u> Presence Liveliness Modesty Neatness Log Book in the field Presentation</p> <p><u>Special</u> <u>Assessment/Test</u> Exam (MCQ)</p>

11. Superior Competence (HIV/AIDS)

Module Name	Superior Competence (HIV/AIDS)
Module level, if applicable	-
Code, if applicable	20C01511102
Subtitle, if applicable	-
Semester (s) in which the module is taught	III, IV, V, VI
Person responsible for the module	Lecturer Team
Lecturer	<ol style="list-style-type: none"> 1. Prof. Dr. Dr. Syakib Bakri, Sp.PD, KGH 2. Prof. dr. Harsinen Sanusi, Sp.PD, KEMD 3. Prof. Dr. dr. Haerani Rasyid, M.Kes, Sp.PD, KGH, Sp.GK 4. dr. Sudirman Katu, Sp.PD, KPTI 5. Dr. dr. Risna Halim, Sp.PD, KPTI 6. Dr. dr. Andi Fachruddin Benyamin, Sp.PD, KHOM 7. Dr. dr. Tutik Harjianti, Sp.PD, KHOM 8. Dr. dr. Sahyuddin, Sp.PD, KHOM 9. dr. Rahmawati Minhajat, Ph.D, Sp.PD, KHOM 10. Dr. Dr. Hasyim Kasim, Sp.PD, KGH 11. Dr. dr. Andi Makbul Aman, Sp.PD, KEMD 12. Dr. dr. Husaini Umar, Sp.PD, KEMD 13. Dr. dr. Fabiola MS. Adam, Sp.PD, KEMD 14. Dr. dr. Himawan D. Sanusi, Sp.PD, KEMD 15. Dr. dr. Faridin HP, Sp.PD, KR 16. Dr. dr. Femi Syahrani, Sp.PD, KR 17. dr. Endy Adnan, Sp.PD, KR 18. dr. Dimas Bayu, Sp.PD, KHOM

	<p>19. Dr. dr. Fardah Akil, Sp.PD, KHOM</p> <p>20. Dr. dr. A.M. Luthfi Parewangi, Sp.PD, KGEH</p> <p>21. Dr. dr. Nu'man As Daud, Sp.PD, KGEH</p> <p>22. dr. Rini Rachmawarni Bachtiar, MARS, Sp.PD, KGEH</p> <p>23. dr. Wasis Udaya, Sp.PD, KGer</p> <p>24. dr. Agus Sudarso, Sp.PD, KGer</p> <p>25. dr. Shanti Makagiansar, Sp.PD, KGer</p> <p>26. dr. Suriani Alimuddin, Sp.PD,KAI</p>
Language	Indonesian Language (Bahasa Indonesia)
Relation to Curriculum	This division offeres in the third semester until Sixth semester
Type of teaching, content hours	<p>Teaching methods used in this division are :</p> <ul style="list-style-type: none"> • Public Lecture: • Lecture Division • Seminar (Literature Review,Case or journals): • Practicum (Polyclinic/ inpatient visitation/ consultation, bedside teaching)
Workload	<ul style="list-style-type: none"> • Lecture 1x50 minutes / week • Morning report 3x30 minutes / week
Credit points	2 credit points (equivalent with 2,88 ECTS)
Requirements according to the examination regulations	
Recommended prerequisites	No recommended prerequisites for this course
Module objectives/intended learning outcomes	<p>After Completing this division</p> <p>Students will be able to reach the level of competences which has been declared by</p>

	<p>Indonesian Medical Council (KKI) as General Internal Medicine Specialist. Through the training of how to perform diagnosis and clinical management</p> <p>in each divisions in internal medicine; Endocrine and Metabolic, Nephrology Hypertension, Pulmonology, Infection and Tropical Disease, Rheumatology, Hematology and Medical Oncology, Cardiology, Gastroenterohepatology, Geriatric and Geriantology, Allergic Immunology and Psychosomatic.</p>
Content	<ol style="list-style-type: none"> 1. Definition of HIV disease 2. HIV pathophysiology 3. Enforcement of HIV diagnosis 4. HIV infection journey 5. HIV infection testing strategy 6. Counseling for medical compliance
Form of assessment	Tutorials/Face-to-Face
	Case Study Discussion
	Field Practice
	Field Results Seminar
Study and examination requirements and forms of examination	<p>General Assessment/Non-test</p> <ul style="list-style-type: none"> • Oral Presentation <p>Special Assessment/Test:</p> <ul style="list-style-type: none"> • Mini-CEX • CbD • DOPS • MCQ

Media employed	
Reading list	<ol style="list-style-type: none"> 1. National Guidelines for HIV Management Medical Services. Jakarta: Ministry of Health; 2019. 2. Sudoyo, Aru W. et al. (2015). Chapter 25 in <i>The Teaching Book of Internal Medicine</i>. (Issue V). Jakarta: Interna Publishing.

Course Learning Outcome assessment of learning outcomes for course modules

Course module name : Superior Competence- HIV AIDS

Code : 20C01511102

Semester : 3rd to 6th

Person responsible for the module : Lecturer Team

Lecturer :

1. Prof. Dr. Dr. Syakib Bakri, Sp.PD, KGH
2. Prof. dr. Harsinen Sanusi, Sp.PD, KEMD
3. Prof. Dr. dr. Haerani Rasyid, M.Kes, Sp.PD, KGH, Sp.GK
4. dr. Sudirman Katu, Sp.PD, KPTI
5. Dr. dr. Risna Halim, Sp.PD, KPTI
6. Dr. dr. Andi Fachruddin Benyamin, Sp.PD, KHOM
7. Dr. dr. Tutik Harjianti, Sp.PD, KHOM
8. Dr. dr. Sahyuddin, Sp.PD, KHOM
9. dr. Rahmawati Minhajat, Ph.D, Sp.PD, KHOM
10. Dr. Dr. Hasyim Kasim, Sp.PD, KGH
11. Dr. dr. Andi Makbul Aman, Sp.PD, KEMD
12. Dr. dr. Husaini Umar, Sp.PD, KEMD
13. Dr. dr. Fabiola MS. Adam, Sp.PD, KEMD
14. Dr. dr. Himawan D. Sanusi, Sp.PD, KEMD
15. Dr. dr. Faridin HP, Sp.PD, KR

16. Dr. dr. Femi Syahrani, Sp.PD, KR
17. dr. Endy Adnan, Sp.PD,KR
18. dr. Dimas Bayu, Sp.PD, KHOM
19. Dr. dr. Fardah Akil, Sp.PD, KHOM
20. Dr. dr. A.M. Luthfi Parewangi, Sp.PD, KGEH
21. Dr. dr. Nu'man As Daud, Sp.PD, KGEH
22. dr. Rini Rachmawarni Bachtiar, MARS, Sp.PD, KGEH
23. dr. Wasis Udaya, Sp.PD, KGer
24. dr. Agus Sudarso, Sp.PD, KGer
25. dr. Shanti Makagiansar, Sp.PD, KGer
26. dr. Suriani Alimuddin, Sp.PD,KAI

Intended Learning Outcomes	Course Module Objectives	List of Assessments	List of Rubrics
<p>Competence 2</p> <p>Students will be able to reach the level of competences which has been declared by Indonesian Medical Council (KKI) as General Internal Medicine Specialist. Through the training of how to perform diagnosis and clinical management in each divisions in internal medicine;</p>	<ul style="list-style-type: none"> • Able to know the risk factors and diagnosis of HIV infection, opportunistic infections, the co-infection of HIV (TB-HIV, Hepatitis HIV) , Trieliminasi (HIV, Hepatitis, Syphilis) in Pregnant Women 	<ul style="list-style-type: none"> • Tutorials/Face-to-Face • Case Study Discussion • Field Practice • Field Results Seminar 	<p><u>General Assessment/Non-Test</u></p> <p>Presence</p> <p>Liveliness</p> <p>Modesty</p> <p>Neatness</p> <p>Log Book in the field</p> <p>Case worksheet</p> <p>Liveliness</p> <p>Group cooperation</p> <p>Ability to convey ideas</p>

<p>Endocrine and Metabolic, Nephrology Hypertension, Pulmonology, Infection and Tropical Disease, Rheumatology, Hematology and Medical Oncology, Cardiology, Gastroenterohepatology, Geriatric and Geriantology, Allergic Immunology and Psychosomatic.</p>	<ul style="list-style-type: none"> • Able to explain hiv prevention and transmission • Able to provide comprehensive and sustainable treatment of HIV infection 		<p>Discussion manners (politeness, forum ethics, effective communication) Power point Presentation Capabilities Cooperation Liveliness Field results report</p> <p><u>Special Assessment/Test</u> Quiz (MCQ) Individual Tasks Exam (Minicex, CBD, DOPS) Presence in the field Work Results Cooperation Attitudes and Behaviors in the field</p>
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12. Psychosomatic

Module Name	Psychosomatic
Module level, if applicable	-
Code, if applicable	20C01532202
Subtitle, if applicable	-
Semester (s) in which the module is taught	7
Person responsible for the module	Lecturer Team
Lecturer	<ol style="list-style-type: none"> 1. Dr. A. Khomaeni Takdir Haruni, Sp.PD-K-Psi 2. IPD FK-UI Psychosomatic Teaching Team
Language	Indonesian Language (Bahasa Indonesia)
Relation to Curriculum	This division offeres in the Seventh semester
Type of teaching, content hours	<p>Teaching methods used in this division are :</p> <ul style="list-style-type: none"> • Public Lecture: • Seminar (Literature Review,Case or journals):
Workload	<p>For This division, students are required to meet a minimum time below for 4 weeks :</p> <ul style="list-style-type: none"> • Lecture 5x50 minutes/week • Death Case / Literature review Reading 3x3 hours/week • Journal Reading 1x 50 minutes/week
Credit points	2 credit points (equivalent with 3,17 ECTS)
Requirements according to the examination regulations	
Recommended prerequisites	Passed the first stage of education
Module objectives/intended learning outcomes	After Completing this division

	<p>Skill :</p> <p>Students will be able to Apply logical, critical, systematic, and creative thinking through scientific writings, conduct scientific research in internal medicine and published in an accredited journal.</p> <p>Competence:</p> <ul style="list-style-type: none"> • Students will be able to perform the history taking, physical examination, laboratory tests, procedures in accordance with the specialization of internal medicine to make a diagnosis, by referring to evidence-based medicine • Students will be able to reach the level of competences which has been declared by Indonesian Medical Council (KKI) as General Internal Medicine Specialist. Through the training of how to perform diagnosis and clinical management in each divisions in internal medicine; Endocrine and Metabolic, Nephrology Hypertension, Pulmonology, Infection and Tropical Disease, Rheumatology, Hematology and Medical Oncology, Cardiology, Gastroenterohepatology, Geriatric and Geriantology, Allergic Immunology and Psychosomatic.
Content	<ol style="list-style-type: none"> 1.General anxiety disorder 2.<i>Anxiety Disorders (GAD) (4A)</i> 3.<i>Panic disorders (4A)</i> 4.Mixed disorder of anxiety-depression (4A) 5.Reactions to severe stress and adjustment disorders (4A)

	<p>6. <i>Post traumatic stress disorder (PTSD) (4A)</i></p> <p>7. <i>Agora Phobia, Social Phobia, Specific Phobia (4A)</i></p> <p>8. <i>Somatoform Disturbance (4A*)</i></p> <p>9. <i>Depression (4A)</i></p> <p>10. <i>Iritabel colon syndrome (4A)</i></p> <p>11. <i>Functional dyspepsia (4A)</i></p> <p>12. <i>Fatigue disorders (4A)</i></p> <p>13. <i>Chronic fatigue syndrome (4A)</i></p> <p>14. <i>Fibromyalgia (4A)</i></p> <p>15. <i>Psychogenic (4A)</i></p> <p>16. <i>Cardiac Neurosis (4A)</i></p> <p>17. <i>Hyperventilation syndrome (4A)</i></p> <p>18. <i>Sleep disorders (4A*)</i></p> <p>19. <i>Drug withdrawal syndrome and overdose in NAPZA users; complications, therapy and rehabilitation (4A)</i></p> <p>20. <i>Tension headache (4A)</i></p> <p>21. <i>Erectile dysfunction and psychogenic sexual dysfunction (4A)</i></p> <p>22. <i>Vegetative autonomic nerve imbalance (4A)</i></p> <p>23. <i>Low back pain (4A)</i></p> <p>24. <i>Functional heart disorders (4A)</i></p> <p>25. <i>Obsessive-compulsive disorder (3A)</i></p>
Form of assessment	<p>Tutorials/Face-to-Face</p> <p>Case Study Discussion</p> <p>Field Practice</p> <p>Field Results Seminar</p> <ul style="list-style-type: none"> • 5 literature review / case report (refers to supervisor)

	<ul style="list-style-type: none"> • 10 Journal (refers to supervisor) • 1 national paper
	Final Exam
Study and examination requirements and forms of examination	General Assessment/Non-test Special Assessment/test: <ul style="list-style-type: none"> • Mini Cex • CbD • DOPS • Pre Test and Post Test
Media employed	
Reading list	<ol style="list-style-type: none"> 1. Textbooks of Internal Medicine. FKUI Publisher Hall. 2012. 2. Harrison's Principles of internal medicine 3. Competency Standards of Internal Medicine Specialists

COURSE LEARNING OUTCOME ASSESSMENT OF LEARNING OUTCOMES FOR COURSE MODULES

Course module name : Psychosomatic
 Code : 20C01532202
 Semester : 7th
 Person responsible for the module : Lecturer Team
 Lecturer :

1. Dr. A. Khomaeni Takdir Haruni, Sp.PD-K-Psi
2. IPD FK-UI Psychosomatic Teaching Team

Intended Learning Outcomes	Course Module Objectives	List of Assessments	List of Rubrics
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<p>Skill (S1):</p> <p>Students will be able to Apply logical, critical, systematic, and creative thinking through scientific writings, conduct scientific research in internal medicine and published in an accredited journal.</p>	<p>Able to provide medical services and medical emergency management in accordance with standard operational procedures,</p>	<p>Field Results Seminar</p> <ul style="list-style-type: none"> • 5 literature review / case report (refers to supervisor) • 10 Journal (refers to supervisor) • 1 national paper 	<p>Power point Presentation Capabilities Cooperation Liveliness Field results report CBD</p>
<p>Competence (C2):</p> <p>Students will be able to perform the history taking, physical examination, laboratory tests, procedures in accordance with the specialization of internal medicine to make a diagnosis, by referring to evidence-based medicine</p>	<p>Able to explain the definition, epidemiology, pathophysiology, diagnosis, diagnosis of appeal, prevention of complications and prognosis of the disease;</p>	<ul style="list-style-type: none"> • Tutorials/Face-to-Face • Case Study Discussion 	<p><u>General Assessment</u></p> <p>Presence Liveliness Modesty Neatness</p> <p><u>Special Assessment</u></p> <p>MCQ MINI-CEX</p>
<p>Competence (C3):</p> <p>Students will be able to reach the level of competences which has been declared by Indonesian Medical Council (KKI) as General Internal Medicine Specialist. Through the training of how</p>	<p>Able to conduct health promotion, especially in the field of Psychosomatic.</p>	<ul style="list-style-type: none"> • Field Practice • Final Exam 	<p><u>General Assessment</u></p> <p>Log Book in the field</p> <p><u>Special Assessment</u></p> <p>Presence in the field</p>

<p>to perform diagnosis and clinical management in each divisions in internal medicine; Endocrine and Metabolic, Nephrology Hypertension, Pulmonology, Infection and Tropical Disease, Rheumatology, Hematology and Medical Oncology, Cardiology, Gastroenterohepatology, Geriatric and Geriantology, Allergic Immunology and Psychosomatic.</p>			<p>Work Results Cooperation Attitudes and Behaviors in the field Exam (DOPS)</p>
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13. Allergy and Immunology

Module Name	Allergy and Immunology
Module level, if applicable	-
Code, if applicable	20C01532104
Subtitle, if applicable	-
Semester (s) in which the module is taught	III, IV,V, VI
Person responsible for the module	Lecturer Team
Lecturer	<ol style="list-style-type: none"> 1. Dr. Suryani Alimudin, SpPD, KAI 2. Prof. Dr. dr. Syakib Bakri, Sp.PD, KGH 3. Dr. dr. A. Makbul Aman , Sp.PD, KEMD 4. Prof. Dr. Haerani Rasyid, Sp.PD, KGH, Sp.GK 5. dr. Rahmawati Minhadjat, Sp.PD, KHOM, PhD 6. Dr.dr. Harun Iskandar,SpPD, Sp.P, KP
Language	Indonesian Language (Bahasa Indonesia)
Relation to Curriculum	This division offeres in the third semester until Sixth semester
Type of teaching, content hours	<p>Teaching methods used in this division are :</p> <ul style="list-style-type: none"> • Public Lecture: • Seminar (Literature Review,Case or journals): • Practicum (Polyclinic/ inpatient visitation/ consultation)
Workload	<p>For This division, students are required to meet a minimum time below for 4 weeks :</p> <ul style="list-style-type: none"> • Lecture (Divisional and routine lecture) 5x100 minutes/week

	<ul style="list-style-type: none"> • Death Case / Literature review Reading 3x3 hours/week • Journal Reading / case 1 x 50 minutes / week • On duty 3x12 hours/week
Credit points	4 credit points (equivalent with 6,34 ECTS)
Requirements according to the examination regulations	Pass the first stage
Recommended prerequisites	Past the First Stage
Module objectives/intended learning outcomes	<p>Skill :</p> <ul style="list-style-type: none"> • Students will be able to Apply logical, critical, systematic, and creative thinking through scientific writings, conduct scientific research in internal medicine and published in an accredited journal. <p>Competence:</p> <ul style="list-style-type: none"> • Students will be able to perform the history taking, physical examination, laboratory tests, procedures in accordance with the specialization of internal medicine to make a diagnosis, by referring to evidence-based medicine • Students will be able to reach the level of competences which has been declared by Indonesian Medical Council (KKI) as General Internal Medicine Specialist. Through the training of how to perform diagnosis and clinical management in each divisions in internal medicine; Endocrine and Metabolic, Nephrology Hypertension, Pulmonology, Infection and Tropical Disease, Rheumatology, Hematology and

	Medical Oncology, Cardiology, Gastroenterohepatology, Geriatric and Geriantology, Allergic Immunology and Psychosomatic.
Content	<ol style="list-style-type: none"> 1. Anaphylactic reactions (4A) 2. Allergy medications (4A) 3. Post Vaccination Symptoms (4A) 4. Food Allergies (4A) 5. Rhinitis allergic (4A) 6. Acute Urticaria (4A) 7. Chronic Urticaria (4A) 8. Angioedema (4A) 9. Atopic dermatitis (4A) 10. Allergic contact dermatitis (4A) 11. Asthma Bromchial (4A) 12. Severe asthma (4A) 13. SLE mild to moderate (4A) 14. Antiphospholipid syndrome (APS) (4A) 15. Graft versus host response (3A) 16. Allograft rejection (3A) 17. Mayor and Minor antigen histocompatibility (3A) 18. Hyper IgE Syndrome (3A) 19. Pneumokoniasis (3A) 20. SLE with the involvement of vital organs or special circumstances (3A) 21. Sjogren syndrome (3A) 22. Major vasculitis (Takayasu arteritis, temporal arteritis) (3A) 23. Moderate vasculitis (Poliarteritis Nodosa, Kawasaki disease) (3A)

	<p>24. Minor vasculitis (wagener granulomatosis, churg-strauss syndrome, microscopic polyangitis, Henoch-Schonlein purpura, cryoglobulinemia vasculitis) (3A)</p> <p>25. Pulmonary, kidney, and myoprotein immunology (3A)</p> <p>26. Perioperative management in patients with clinical immunologic allergic disorders (3A)</p> <p>27. Prick test (4A)</p> <p>28. Skin test drugs (4A)</p> <p>29. Spirometri (4A)</p> <p>30. Adult vaccination (4A)</p> <p>31. Patch test (3)</p> <p>32. Drug provocation test (3)</p> <p>33. Test food provocation (3)</p> <p>34. Test bronchial provocation (3)</p> <p>35. Immunotherapy (sublingual, subcutaneous) (2)</p>
Form of assessment	<p>Tutorials/Face-to-face</p> <p>Case study Discussion</p> <p>Field Practice</p> <p>Field Results Seminar</p> <p>Final exam</p>
Study and examination requirements and forms of examination	<p><u>General Assessment/Non-Test</u></p> <ul style="list-style-type: none"> • Oral Presentation <p><u>Special Assessment/Test</u></p> <ul style="list-style-type: none"> • MCQ • Exam (MINI-CEX, CbD, DOPS)
Media employed	

Reading list	<ol style="list-style-type: none"> 1. Textbooks of Internal Medicine. FKUI Publisher Hall. 2012. 2. Modul Immunology Technology 2015 3. Harrison’s Principles of internal medicine 4. Basic immunology. Issue 10. FK-UI. 2012 5. Basic Allergies. Issue 1. Interna Publishing,2009 6. Immunization guidelines in adults 7. Diagnostic criteria in autoimmune disease. Editor Yehuda Shoenfield. 2008
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COURSE LEARNING OUTCOME ASSESSMENT OF LEARNING OUTCOMES FOR COURSE MODULES

Course module name : ALLERGY AND IMMUNOLOGY

Code : 20C01532104

Semester : 3rd to 6th

Person responsible for the module : Lecturer Team

Lecturer :

1. Dr. Suryani Alimudin, SpPD, KAI
2. Prof. Dr. dr. SyakibBakri, Sp.PD, KGH
3. Dr. dr. A. MakbulAman , Sp.PD, KEMD
4. Prof. Dr. Haerani Rasyid, Sp.PD, KGH, Sp.GK
5. dr. Rahmawati Minhadjat, Sp.PD, KHOM, PhD
6. Dr.dr. Harun Iskandar,SpPD,Sp.P, KP

Intended Learning Outcomes	Course Module Objectives	List of Assessments	List of Rubrics
Skill (S1): (Students will be able to Apply logical, critical, systematic, and creative	Students will be able to reach the level of competences	Field Results Seminar <ul style="list-style-type: none"> • 5 literature review / case 	Power point Presentation Capabilities Cooperation

thinking through scientific writings, conduct scientific research in internal medicine and published in an accredited journal.	which has been declared by Indonesian Medical Council (KKI) as General Internal Medicine Specialist. Through the training of how to perform diagnosis and clinical management in each divisions in internal medicine; Hematology and Medical Oncology.	report (refers to supervisor) <ul style="list-style-type: none"> • 10 Journal (refers to supervisor) • 1 national paper 	Liveliness Field results report CBD
Competence (C2): Students will be able to perform the history taking, physical examination, laboratory tests, procedures in accordance with the specialization of internal medicine to make a diagnosis, by referring to evidence-based medicine		Tutorials/Face-to-Face	<u>General Assessment/Non-Test</u> Presence Liveliness Modesty Neatness <u>Special Assessment/Test</u> MCQ, Exam (MINI-CEX)
Competence (C3):		Field Practice	<u>General Assessment</u> Log Book in the field

<p>Students will be able to reach the level of competences which has been declared by Indonesian Medical Council (KKI) as General Internal Medicine Specialist. Through the training of how to perform diagnosis and clinical management in each divisions in internal medicine; Endocrine and Metabolic, Nephrology Hypertension, Pulmonology, Infection and Tropical Disease, Rheumatology, Hematology and Medical Oncology, Cardiology, Gastroenterohepatology, Geriatric and Geriantology, Allergic Immunology and Psychosomatic.</p>		<p>Final exam</p>	<p><u>Special Assessment</u> Presence in the field Work Results Cooperation Attitudes and Behaviors in the field Exam (DOPS)</p>
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14. Gastroenterohepatology

Module Name	Gastroenterohepatology
Module level, if applicable	-
Code, if applicable	20C01532010
Subtitle, if applicable	-
Semester (s) in which the module is taught	III, IV, V, VI
Person responsible for the module	Lecturer team
Lecturer	<ol style="list-style-type: none"> 1. DR. Dr. Fardah Akil, SpPD, KGEH 2. DR. Dr. AM Luthfi Parewangi, SPPD, KGEH 3. DR. Dr. Nu'man AS Daud, SpPD, KGEH 4. Dr. Rini Rachmawarni Bahtiar, SpPD, KGEH 5. Dr. Susanto Hendra Kusuma, SpPD, KGEH 6. Dr. Amelia Rifai, SpPD, KGEH
Language	Indonesian Language (Bahasa Indonesia)
Relation to Curriculum	This division offeres in the third semester until Sixth semester
Type of teaching, content hours	<p>Teaching methods used in this division are :</p> <ul style="list-style-type: none"> • Public Lecture • Lecture Division • Seminar (Literature Review/ Case) • Seminar (Journal) • Practicum (Polyclinic/ inpatient visitation/ consultation) • Practicum (Ward Shift)
Workload	<ul style="list-style-type: none"> • Lecture (Lecture division and routine) 2x100 minutes / week

	<ul style="list-style-type: none"> • Death Case / Literature review Reading 3x3 hours/week • Journal Reading 1x 50 minutes/week • Polyclinic 5x6 hours/week • Ward shift 3x9 hours minutes/week
Credit points	10 credit points (equivalent with 14,4 ECTS)
Requirements according to the examination regulations	
Recommended prerequisites	Passed the first stage of education
Module objectives/intended learning outcomes	<p>After Completing this division</p> <p>Skill</p> <ul style="list-style-type: none"> • Students will be able to Apply logical, critical, systematic, and creative thinking through scientific writings, conduct scientific research in internal medicine and published in an accredited journal. <p>Competence</p> <ul style="list-style-type: none"> • Students will be able to perform the history taking, physical examination, laboratory tests, procedures in accordance with the specialization of internal medicine to make a diagnosis, by referring to evidence-based medicine • Students will be able to reach the level of competences which has been declared by Indonesian Medical Council (KKI) as General Internal Medicine Specialist. Through the training of how to perform diagnosis and clinical

	<p>management in each divisions in internal medicine; Endocrine and Metabolic, Nephrology Hypertension, Pulmonology, Infection and Tropical Disease, Rheumatology, Hematology and Medical Oncology, Cardiology, Gastroenterohepatology, Geriatric and Geriantology, Allergic Immunology and Psychosomatic.</p>
<p>Content</p>	<ol style="list-style-type: none"> 1. Esophageal competence 3A-4A (akalasia, neoplasms, strictures, esophagitis reflux, barret esophagus, corrosive lesions of the esophagus, varicose veins gastroesophagus, fungal infections of the esophagus, viral infections of the esophagus) 2. Abdominal Cavity Wall: competency 3A/3B/4A (abdominal TB, intestinal perforation, malrotation, hernia (diaphragm hiatus)) 3. Gaster duodenum Jejunum-Ileum : kompetensi 3A/3B/4A (stenosis pylorus,apendisitis, divertikel, ileus obstruksi, tumor gaster, amyloidosis, gastritis, gastroenteritis, ulkus (gaster, duodenum), perdarahan gastrointestinal, ileus paralitik, malabsorpsi, maldigesti, intoleransi makanan, botulisme, <i>gastric motility disorders</i>, <i>celiac disease</i>, short bowel syndrome, trombosis arteri mesenterika) 4. Hepar : Competency 3A/4A (hepar tumor, hepatitis A, hepatitis B, hepatitis C, autoimmune hepatitis, hepar abscess, alcoholic liver disease, non alcoholic fatty liver disease (NAFLD), cirrhosis of the liver, drug-affected hepatitis, hepar failure, hepar

	<p>hemokromatosis, alpha 1 antitripsin deficiency, wilson disease, bilirubin metabolism disorder (Gilbert Syndrome, Crigler Najjar Syndrome type 1 and 2, Dubin Johnson and Rotor Syndromes), porta vein thrombosis, liver disease in pregnancy)</p> <p>5. Gallbladder-bile duct-pancreas: Competency 3A/3B/4A (cyst ductus koledokus, tumor pancreas, cyst pancreas, PSC, PBC, kolangiocarcinoma, cholecystitis, cholecystiasis, choledokolitiasis, colangitis, pancreatitis)</p> <p>6. Colon: Competency 3A/4A (colorectal tumor, diverticulosis, infective colitis, dysentery syndrome, crohn's disease, ulcerative colitis, irritable bowel syndrome, polyps/ adenoma, necrotic enterocolitis, proctitis, abscesses (peri) anal, hemorrhoids, constipationsyndrome)</p> <p>7. GEH clinical skills: 2/3/4A (ERCP,Capsul endoscopy, Fibroscan, Businasi, Ligase-sclerotherapy, fine needle biopsy, Endoscopy, drainage of hepar abscess and hepar cyst aspiration, liver biopsy, nasogastric pipe mounting (NGT), abdominal parasentesis (ascites puncture) and abdominal ultrasound)</p>
Form of assessment	Tutorials/Face-to-Face
	Case Study Discussion
	Field Practice
	Field Results Seminar <ul style="list-style-type: none"> • 5 literature review / case report (refers to supervisor)

	<ul style="list-style-type: none"> • 10 Journal (refers to supervisor) • 1 national paper
	Final Exam
Study and examination requirements and forms of examination	<p>General Assessment/Non-Test</p> <ul style="list-style-type: none"> • Presentation <p>Special Assessment/Test:</p> <ul style="list-style-type: none"> • Mini Cex • CbD • DOPS • MCQ
Media employed	
Reading list	<ol style="list-style-type: none"> 1. Gastroenterology Textbooks – Hepatology 2. Textbook Harrison’s Gastroenterology- Hepatology. Mc Graw Hill 2013 3. National Consensus on The Management of Gastrointestinal and Hepatobiliary Diseases in Indonesia by PPHI-PGI-PEGI 4. Guidelines APASL,EASL,AASLD,ACG, ESGE 5. Textbook Gastrointestinal Drugs. Wiley Blackwell 2014 6. Current Diagnosis and Treatment Gastroenterology, Hepatology, and Endoscopy. Lange. 2016 7. Grading and Staging in Gastroenterology. Thieme. 2015 8. Clinical Textbook Hepatology. Mauss. Last ed 2018 9. Schifs. Diseases of The Liver.

	<p>10. Sherlock's. Diseases of The Liver and Biliary System.</p> <p>11. Yamada's Textbook of Gastroenterology.</p>
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Course Learning Outcome assessment of learning outcomes for course modules

Course module name : Gastroenterohepatology

Code : 20C01532010

Semester : 3rd to 6th

Person responsible for the module : Lecturer Team

Lecturer :

1. DR. dr. Fardah Akil, SpPD, KGEH
2. DR. dr. AM Luthfi Parewangi, SPPD, KGEH
3. DR. dr. Nu'man AS Daud, SpPD, KGEH
4. dr. Rini Rachmawarni Bahtiar, SpPD, KGEH
5. dr. Susanto Hendra Kusuma, SpPD, KGEH
6. dr. Amelia Rifai, SpPD, KGEH

Intended Learning Outcomes	Course Module Objectives	List of Assessments	List of Rubrics
<p>Skill (S1)</p> <p>Students will be able to Apply logical, critical, systematic, and creative thinking through scientific writings, conduct scientific research in internal medicine and published in an accredited journal.</p>	<p>Students will be able to Apply logical, critical, systematic, and creative thinking through scientific writings, conduct scientific research in internal medicine and published in an accredited journal</p>	<p>Field Results Seminar</p> <ul style="list-style-type: none"> • 5 literature review / case report (refers to supervisor) • 10 Journal (refers to supervisor) 	<p>Power point Presentation Capabilities Cooperation Liveliness Field results report CBD</p>

	about gastroenterohepatology	<ul style="list-style-type: none"> • 1 national paper 	
<p>Competence</p> <p>1. Students will be able to perform the history taking, physical examination, laboratory tests, procedures in accordance with the specialization of internal medicine to make a diagnosis, by referring to evidence-based medicine (C2)</p>	<p>Student will be able to perform diagnosis, management and clinical skills in the field of gastroenterohepatology according to the problem, needs of the patient and his authority</p>	<ul style="list-style-type: none"> • Tutorials/Fac e-to-Face • Case Study Discussion 	<p><u>General Assessment</u></p> <p>Presence</p> <p>Liveliness</p> <p>Modesty</p> <p>Neatness</p> <p><u>Special Assessment</u></p> <p>MCQ</p> <p>Exam (MINI-CEX)</p>
<p>2. Students will be able to reach the level of competences which has been declared by Indonesian Medical Council (KKI) as General Internal Medicine Specialist. Through the training of how to perform diagnosis and clinical management in each divisions in internal medicine; Endocrine and Metabolic, Nephrology Hypertension, Pulmonology, Infection and Tropical</p>	<p>Students will be able to reach the level of competences which has been declared by Indonesian Medical Council (KKI) as General Internal Medicine Specialist. Through the training of how to perform diagnosis and clinical management in each divisions in Gastroenterohepatology</p>	<ul style="list-style-type: none"> • Field Practice • Final Exam 	<p><u>General Assessment</u></p> <p>Log Book in the field</p> <p><u>Special Assessment</u></p> <p>Presence in the field</p> <p>Work Results</p> <p>Cooperation</p> <p>Attitudes and Behaviors in the field</p>

Disease, Rheumatology, Hematology and Medical Oncology, Cardiology, Gastroenterohepatology, Geriatric and Geriantology, Allergic Immunology and Psychosomatic (C3)			Exam (DOPS)
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15. Geriatrics and Gerontology

Module Name	Geriatrics and Gerontology
Module level, if applicable	-
Code, if applicable	20C01531905
Subtitle, if applicable	-
Semester (s) in which the module is taught	III, IV,V, VI
Person responsible for the module	Lecturer Team
Lecturer	<ol style="list-style-type: none"> 1. Dr. Wasis Udaya, SpPD, KGer 2. Dr. Agus Sudarso, SpPD, KGer 3. Dr. Shanti Makagiansar, SpPD, KGer
Language	Indonesian Language (Bahasa Indonesia)
Relation to Curriculum	This division offeres in the third semester until Sixth semester
Type of teaching, content hours	<p>Teaching methods used in this division are :</p> <ul style="list-style-type: none"> • Public Lecture: • Lecture Division • Seminar (Literature Review,Case or journals): • Practicum (Polyclinic/ inpatient visitation/ consultation)
Workload	<p>For This division, students are required to meet a minimum time below for 8 weeks :</p> <ul style="list-style-type: none"> • Lecture (Divisional and routine lecture) 2x100 minutes/week • Death Case / Literature review Reading 3x3 hours/week

	<ul style="list-style-type: none"> • Journal Reading / case 2 x 50 minutes / week • Polyclinic 3x5 hours/week
Credit points	4 credit points (equivalent with 7,93 ECTS)
Requirements according to the examination regulations	
Recommended prerequisites	Passed the first stage of education
Module objectives/intended learning outcomes	<p>After Completing this division</p> <p>Skill :</p> <ul style="list-style-type: none"> • Students will be able to Apply logical, critical, systematic, and creative thinking through scientific writings, conduct scientific research in internal medicine and published in an accredited journal. <p>Competence:</p> <ul style="list-style-type: none"> • Students will be able to perform the history taking, physical examination, laboratory tests, procedures in accordance with the specialization of internal medicine to make a diagnosis, by referring to evidence-based medicine • Students will be able to reach the level of competences which has been declared by Indonesian Medical Council (KKI) as General Internal Medicine Specialist. Through the training of how to perform diagnosis and clinical management in each divisions in internal medicine; Endocrine and Metabolic, Nephrology Hypertension, Pulmonology, Infection and Tropical Disease, Rheumatology, Hematology and Medical Oncology,

	Cardiology, Gastroenterohepatology, Geriatric and Geriantology, Allergic Immunology and Psychosomatic.
Content	<ol style="list-style-type: none"> 1. Plenary assessment of geriatric patients (4A) 2. Immobilization in old age (4A) 3. Postural and fall instability (4A) 4. Urinary incontinence (4A) 5. Alvi Incontinence (3A) 6. Mild Cognitive Impairment (4A) 7. Vascular Cognitive Impairment (4A) 8. Alzheimer's Dementia (3A) 9. Vascular Dementia (4A) 10. Other Types of Dementia (3A) 11. Depression (4A) 12. Visual impairment (4A) 13. Hearing loss (4A) 14. Swallowing Disorders (3A) 15. Constipation (4A) 16. Malnutrition (4A*) 17. Impecunity (3A) 18. Iatrogenik (3A), 19. Polypharmacy (4A) 20. Sleep disorders (4A*) 21. Sleep disorders (4A*) 22. Sexual dysfunction in elderly (3A) 23. Sarkopenia (3A) 24. Frailty (3A) 25. Delirium (4A) 26. <i>Cerebrovascular disease</i> (3B) 27. Osteoporosis (4A)

	<p>28. Chronic Pain (4A)</p> <p>29. Heart failure (4A)</p> <p>30. Hypertension (4A*)</p> <p>31. Dizziness (3A)</p> <p>32. Syncope (3B)</p> <p>33. COPD (4A)</p> <p>34. Pneumonia (4A*)</p> <p>35. Hypothyroidism (4A)</p> <p>36. Hyperthyroidism (4A)</p> <p>37. DM Type 2 (4A*)</p> <p>38. Urinary Tract Infections (4A)</p> <p>39. Coronary Heart Disease (4A)</p> <p>40. Osteoarthritis (4A)</p> <p>41. Hyperplasia prostat (4A)</p> <p>42. Parkinson's Disease (3A)</p> <p>43. Body impedance analysis examination (4A)</p> <p>44. Knee height measurement (4A)</p> <p>45. Instability(4A)</p> <p>46. Decubitus wound care (4A)</p> <p>47. <i>Bone Densitometry Interpretation</i>4A)</p> <p>48. Perioperative management of geriatric patients (4A)</p>
Form of assessment	<p>Tutorials/Face-to-Face</p> <hr/> <p>Case Study Discussion</p> <hr/> <p>Field Practice</p> <hr/> <p>Field Results Seminar</p> <ul style="list-style-type: none"> • 5 literature review / case report (refers to supervisor) • 10 Journal (refers to supervisor)

	<ul style="list-style-type: none"> • 1 national paper
	Final Exam
Study and examination requirements and forms of examination	<p>General Assessment/Non-Test</p> <ul style="list-style-type: none"> • Presentation <p>Special Assessment/Test:</p> <ul style="list-style-type: none"> • Mini Cex • CbD • DOPS • MCQ
Media employed	
Reading list	<ol style="list-style-type: none"> 1. Harrison's principles of internal medicine. 19th edition. New York: McGraw Hill Education; 2015 2. Textbooks of disease science in volume I. Edition VI. Jakarta: Interna publishing; 2014 3. Hazzard's geriatric medicine and gerontology. 7th Edition. New York: McGraw Hill Medical; 2009

COURSE LEARNING OUTCOME ASSESSMENT OF LEARNING OUTCOMES FOR COURSE MODULES

Course module name : GERIATRIC AND GERONTOLOGY

Code : 20C01531905

Semester : 3rd to 6th

Person responsible for the module : Lecturer Team

Lecturer :

1. Dr. Wasis Udaya, SpPD, KGer
2. Dr. Agus Sudarso, SpPD, KGer
3. Dr. Shanti Makagiansar, SpPD, KGer

Intended Learning Outcomes	Course Module Objectives	List of Assessments	List of Rubrics
<p>Skill (S1):</p> <p>Students will be able to Apply logical, critical, systematic, and creative thinking through scientific writings, conduct scientific research in internal medicine and published in an accredited journal.</p>	<p>Students will be able to Apply logical, critical, systematic, and creative thinking through scientific writings, conduct scientific research in internal medicine and published in an accredited journal about geriatric</p>	<p>Field Results Seminar</p> <ul style="list-style-type: none"> • 5 literature review / case report (refers to supervisor) • 10 Journal (refers to supervisor) • 1 national paper 	<p>Power point Presentation Capabilities Cooperation Liveliness Field results report CBD</p>
<p>Competence (C2):</p> <p>Students will be able to perform the history taking, physical examination, laboratory tests, procedures in accordance with the specialization of internal medicine to make a diagnosis, by referring to evidence-based medicine</p>	<p>Student will be able to manage geriatric patients, starting from the identification of problems through the assessment of geriatric plenary, planning to support examinations, establishing problems / diagnosis /</p>	<ul style="list-style-type: none"> • Tutorials/Face-to-Face • Case Study Discussion 	<p><u>General Assessment</u></p> <p>Presence Liveliness Modesty Neatness</p> <p><u>Special Assessment</u></p> <p>MCQ Exam (MINI-CEX)</p>

	<p>diagnosis of appeals, drawing up a patient management plan with attention to ethical, social, economic, religious and cultural aspects, providing education, conducting interdisciplinary cooperation, and referring to subspecialty</p>		
<p>Competence (C3): Students will be able to reach the level of competences which has been declared by Indonesian Medical Council (KKI) as General Internal Medicine Specialist. Through the training of how to perform diagnosis and clinical management in each divisions in internal medicine; Endocrine and Metabolic, Nephrology Hypertension, Pulmonology,</p>	<p>Students will be able to reach the level of competences which has been declared by Indonesian Medical Council (KKI) as General Internal Medicine Specialist. Through the training of how to perform diagnosis and</p>	<ul style="list-style-type: none"> • Field Practice • Final Exam 	<p><u>General Assessment</u> Log Book in the field</p> <p><u>Special Assessment</u> Presence in the field Work Results Cooperation Attitudes and Behaviors in the field</p>

<p>Infection and Tropical Disease, Rheumatology, Hematology and Medical Oncology, Cardiology, Gastroenterohepatology, Geriatric and Geriantology, Allergic Immunology and Psychosomatic.</p>	<p>clinical management in each divisions in Geriatric and Geriantology</p>		<p>Exam (DOPS)</p>
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16. Hematology and Medical Oncology

Module Name	Hematology and Medical Oncology
Module level, if applicable	-
Code, if applicable	20C01531808
Subtitle, if applicable	-
Semester (s) in which the module is taught	III, IV, V, VI
Person responsible for the module	Lecturer Team
Lecturer	<ol style="list-style-type: none"> 1. DR. Dr. Andi Fachruddin Benyamin, Sp.PD, KHOM 2. DR. Dr. Tutik Harjianti, Sp.PD, KHOM 3. DR. Dr. Sahyuddin Saleh, Sp.PD, KHOM 4. Dr. Rahmawati Minhajat, Ph.D, Sp.PD, KHOM 5. Dr. Dimas Bayu, Sp.PD, KHOM
Language	Indonesian Language (Bahasa Indonesia)
Relation to Curriculum	This division offeres in the third semester until Sixth semester
Type of teaching, content hours	<p>Teaching methods used in this division are :</p> <ul style="list-style-type: none"> • Public Lecture: • Lecture Division • Seminar (Literature Review,Case or journals): • Practicum (Polyclinic/ inpatient visitation/ consultation/on duty)
Workload	<p>For This division, students are required to meet a time below which consist of:</p> <ul style="list-style-type: none"> • Lecture (Divisional and routine lecture) 2x100 minutes/week

	<ul style="list-style-type: none"> • Death Case / Literature review Reading 3x3 hours/week • Journal Reading / case 2x 50 minutes / Polyclinic 5x8 hours/week • Ward shift 3x12 hours minutes/week
Credit points	8 credit points (equivalent with 12,68 ECTS)
Requirements according to the examination regulations	
Recommended prerequisites	Pass the first stage
Module objectives/intended learning outcomes	<p>After Completing this division</p> <p>Skill :</p> <ul style="list-style-type: none"> • Students will be able to Apply logical, critical, systematic, and creative thinking through scientific writings, conduct scientific research in internal medicine and published in an accredited journal. <p>Competence:</p> <ul style="list-style-type: none"> • Students will be able to perform the history taking, physical examination, laboratory tests, procedures in accordance with the specialization of internal medicine to make a diagnosis, by referring to evidence-based medicine • Students will be able to reach the level of competences which has been declared by Indonesian Medical Council (KKI) as General Internal Medicine Specialist. Through the training of how to perform diagnosis and clinical management in each divisions in internal

	<p>medicine; Endocrine and Metabolic, Nephrology Hypertension, Pulmonology, Infection and Tropical Disease, Rheumatology, Hematology and Medical Oncology, Cardiology, Gastroenterohepatology, Geriatric and Geriantology, Allergic Immunology and Psychosomatic.</p>
Content	Students will learn about :
Form of assessment	Tutorials/Face-to-face
	Case study Discussion
	Field Practice
	Field Results Seminar
	Final Exam
Study and examination requirements and forms of examination	<p><u>General Assessment/Non-Test</u></p> <ul style="list-style-type: none"> • Individual Tasks / Presentation <p><u>Special Assessment/Test</u></p> <ul style="list-style-type: none"> • MCQ • MINI-CEX • CbD • DOPS
Media employed	
Reading list	<ol style="list-style-type: none"> 1. Teaching Materials in Internal Medicine FKUI 2014 2. Harrison. Harrison's Pocket Book. Build a Script. Jakarta. 2015. 3. Hematology and Medical Oncology Text Book 4. Reading Journal

	5. Literature Review and Case Report division of Hematology and Medical Oncology
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COURSE LEARNING OUTCOME ASSESSMENT OF LEARNING OUTCOMES FOR COURSE MODULES

Course module name : Medical Oncology Hematology
 Code : 20C01531808
 Semester : 3rd to 6th
 Person responsible for the module : Lecturer Team
 Lecturer :

1. DR. Dr. Andi Fachruddin Benyamin, Sp.PD, KHOM
2. DR. Dr. Tutik Harjianti, Sp.PD, KHOM
3. DR. Dr. Sahyuddin Saleh, Sp.PD, KHOM
4. Dr. Rahmawati Minhajat, Ph.D, Sp.PD, KHOM
5. Dr. Dimas Bayu, Sp.PD, KHOM

Intended Learning Outcomes	Course Module Objectives	List of Assessments	List of Rubrics
Skill (S1): (Students will be able to Apply logical, critical, systematic, and creative thinking through scientific writings, conduct scientific research in internal medicine and published in an accredited journal.	Students will be able to reach the level of competences which has been declared by Indonesian Medical Council (KKI) as General Internal Medicine Specialist. Through	Field Results Seminar (25%) <ul style="list-style-type: none"> • 5 literature review / case report (refers to supervisor) • 10 Journal (refers to supervisor) 	Power point Presentation Capabilities Cooperation Liveliness Field results report CBD

	the training of how to perform diagnosis and clinical management in each divisions in internal medicine; Hematology and Medical Oncology.	<ul style="list-style-type: none"> 1 national paper 	
<p>Competence (C2):</p> <p>Students will be able to perform the history taking, physical examination, laboratory tests, procedures in accordance with the specialization of internal medicine to make a diagnosis, by referring to evidence-based medicine</p>		Tutorials/Face-to-Face	<p><u>General Assessment/Non-Test</u></p> <p>Presence</p> <p>Liveliness</p> <p>Modesty</p> <p>Neatness</p> <p><u>Special Assessment/Test</u></p> <p>MCQ</p> <p>Exam (MINI-CEX)</p>
<p>Competence (C3):</p> <p>Students will be able to reach the level of competences which has been declared by Indonesian Medical Council (KKI) as General Internal Medicine Specialist.</p>		Field Practice	<p><u>General Assessment</u></p> <p>Log Book in the field</p> <p><u>Special Assessment</u></p> <p>Presence in the field</p> <p>Work Results</p> <p>Cooperation</p>

<p>Through the training of how to perform diagnosis and clinical management in each divisions in internal medicine; Endocrine and Metabolic, Nephrology Hypertension, Pulmonology, Infection and Tropical Disease, Rheumatology, Hematology and Medical Oncology, Cardiology, Gastroenterohepatology, Geriatric and Geriantology, Allergic Immunology and Psychosomatic.</p>		<p>Final Exam</p>	<p>Attitudes and Behaviors in the field Exam (DOPS)</p>
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17. Rheumatology

Module Name	Rheumatology
Module level, if applicable	-
Code, if applicable	20C01531708
Subtitle, if applicable	-
Semester (s) in which the module is taught	III, IV,V, VI
Person responsible for the module	Lecturer Team
Lecturer	<ol style="list-style-type: none"> 1. Dr. Dr. Faridin HP, SpPD, K-R 2. Dr. dr. Femi Syahriani, SpPD, K-R 3. dr. Endy Adnan, SpPD, K-R, PhD 4. dr. Abdul Rahman, Sp.PD, K-R
Language	Indonesian Language (Bahasa Indonesia)
Relation to Curriculum	This division offeres in the third semester until Sixth semester
Type of teaching, content hours	<p>Teaching methods used in this division are :</p> <ul style="list-style-type: none"> • Public Lecture: • Lecture Division • Seminar (Literature review ,Case or journals): • Practicum (Polyclinic/ inpatient visitation/ consultation/on duty)
Workload	<p>For This division, students are required to meet a minimum 45 hours/week which consist of:</p> <ul style="list-style-type: none"> • Journal Reading : 2 hours/week • Lecture : 1 hour/week • Bedside Teaching/consultation : 6 hours/week • Polyclinic = 30 hours/week

	<ul style="list-style-type: none"> • Refrat/DC/Case Report Reading : 6 hours
Credit points	8 credit points (equivalent with 12,68 ECTS)
Requirements according to the examination regulations	
Recommended prerequisites	Passed the first stage of education
Module objectives/intended learning outcomes	<p>After Completing this division</p> <p>Skill :</p> <ul style="list-style-type: none"> • Students will be able to Apply logical, critical, systematic, and creative thinking through scientific writings, conduct scientific research in internal medicine and published in an accredited journal. <p>Competence:</p> <ul style="list-style-type: none"> • Students will be able to perform the history taking, physical examination, laboratory tests, procedures in accordance with the specialization of internal medicine to make a diagnosis, by referring to evidence-based medicine • Students will be able to reach the level of competences which has been declared by Indonesian Medical Council (KKI) as General Internal Medicine Specialist. Through the training of how to perform diagnosis and clinical management in each divisions in internal medicine; Endocrine and Metabolic, Nephrology Hypertension, Pulmonology, Infection and Tropical Disease, Rheumatology, Hematology and Medical Oncology, Cardiology, Gastroenterohepatology,

	Geriatric and Gerontology, Allergic Immunology and Psychosomatic.
Content	<p>Students will learn about :</p> <ol style="list-style-type: none"> 1. Basic concept of disease in the field of Rheumatology 2. Musculoskeletal Ultrasound 3. Arthrocentesis 4. Densitometry 5. Pharmacology of medicine in the field of rheumatology 6. Clinical skills of arthrocentesis, intraarticular injection as well as densitometry 7. Abnormalities in joints 8. Abnormalities in the Spine 9. Autoimmune Diseases 10. Electrolyte Interference 11. Abnormalities in Connective Tissues, Tendons, Muscles and Soft Tissues 12. Miscellaneous disorders
Form of assessment	Tutorials/Face-to-Face
	Case Study Discussion
	Field Practice
	<p>Field Results Seminar</p> <ul style="list-style-type: none"> • 5 literature review / case report (refers to supervisor) • 10 Journal (refers to supervisor) • 1 national paper
	Final exam & 2 nd stage comprehensive test

Study and examination requirements and forms of examination	General Assessment/Non-Test <ul style="list-style-type: none"> • Presentation Special Assessment/Test: <ul style="list-style-type: none"> • Mini Cex • CbD • DOPS • MCQ
Media employed	
Reading list	<ol style="list-style-type: none"> 1. Teaching Books on Internal Medicine FK UI 2. Text Book Harrison's 3. Kelley's textbook of rheumatology 4. Primer on the rheumatic disease 5. Dubois lupus erythematosus

COURSE LEARNING OUTCOME ASSESSMENT OF LEARNING OUTCOMES FOR COURSE MODULES

Course module name : Rheumatology
 Code : 20C01531708
 Semester : 3rd to 6th
 Person responsible for the module : Lecturer Team
 Lecturer :

1. Dr. Dr. Faridin HP, SpPD, K-R
2. Dr. dr. Femi Syahrani, SpPD, K-R
3. dr. Endy Adnan, SpPD, K-R, PhD
4. dr. Abdul Rahman, Sp.PD, K-R

Intended Learning Outcomes	Course Module Objectives	List of Assessments	List of Rubrics
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<p>Skill (S1):</p> <p>Students will be able to Apply logical, critical, systematic, and creative thinking through scientific writings, conduct scientific research in internal medicine and published in an accredited journal.</p>	<p>Students will be able to Apply logical, critical, systematic, and creative thinking through scientific writings, conduct scientific research in Rheumatology.</p>	<p>Field Results Seminar</p> <ul style="list-style-type: none"> • 5 literature review / case report (refers to supervisor) • 10 Journal (refers to supervisor) • 1 national paper 	<p>Power point Presentation Capabilities Cooperation Liveliness Field results report CBD</p>
<p>Competence (C2):</p> <p>Students will be able to perform the history taking, physical examination, laboratory tests, procedures in accordance with the specialization of internal medicine to make a diagnosis, by referring to evidence-based medicine</p>	<p>Able to perform diagnosis and clinical management in the field of Rheumatology according to the problem, the needs of the patient and his authority</p>	<ul style="list-style-type: none"> • Tutorials/Face-to-Face • Case Study Discussion 	<p><u>General Assessment</u></p> <p>Presence Liveliness Modesty Neatness</p> <p><u>Special Assessment</u></p> <p>MCQ Exam (MINI-CEX)</p>
<p>Competence (C3):</p> <p>Students will be able to reach the level of competences which has been declared by Indonesian Medical Council (KKI) as General Internal Medicine Specialist. Through the training of how to perform</p>	<p>Students will be able to reach the level of competences which has been declared by Indonesian Medical Council (KKI) as General</p>	<ul style="list-style-type: none"> • Field Practice • Final Exam 	<p><u>General Assessment</u></p> <p>Log Book in the field</p> <p><u>Special Assessment</u></p> <p>Presence in the field</p>

<p>diagnosis and clinical management in each divisions in internal medicine; Endocrine and Metabolic, Nephrology Hypertension, Pulmonology, Infection and Tropical Disease, Rheumatology, Hematology and Medical Oncology, Cardiology, Gastroenterohepatology, Geriatric and Geriantology, Allergic Immunology and Psychosomatic.</p>	<p>Internal Medicine Specialist. Through the training of how to perform diagnosis and clinical management in Rheumatology.</p>		<p>Work Results Cooperation Attitudes and Behaviors in the field Exam (DOPS)</p>
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18. Cardiology

Module Name	Cardiology
Module level, if applicable	-
Code, if applicable	20C01531610
Subtitle, if applicable	-
Semester (s) in which the module is taught	III, IV, V, VI
Person responsible for the module	Lecturer team
Lecturer	<ol style="list-style-type: none"> 1. Prof. dr. Junus Alkatiri, Sp.PD, Sp.JP (K) 2. Prof. Dr. dr. Ali Aspar Mappahiya, Sp.PD, Sp.JP (K) 3. Dr. Pendrik Tandean, Sp.PD, SME 4. Dr. Khalid Saleh, Sp.PD, SME 5. Dr. dr.M. Idar Mappangara, Sp.PD, Sp.JP (K) 6. Dr. Zaenab Djafar, Sp.PD, Sp.JP (K)
Language	Indonesian Language (Bahasa Indonesia)
Relation to Curriculum	This division offeres in the fourth semester until Sixth semester
Type of teaching, content hours	<ul style="list-style-type: none"> • Lecture (Lecture division and routine) • Death Case / Literature review Reading • Journal Reading • Residency shift in outpatient clinic • Residency shift in the ward
Workload	<p>For This course, students are required to meet a minimum time below for 12 weeks</p> <ul style="list-style-type: none"> • Lecture (Lecture division and routine) 2x100 minutes / week

	<ul style="list-style-type: none"> • Death Case / Literature review Reading 3x3 hours/week • Journal Reading 1x 50 minutes/week • Residency shift in outpatient clinic 5x6 hours/week • Residency shift in the ward 3x9 hours minutes/week
Credit points	10 credit points (equivalent with 15,85 ECTS)
Requirements according to the examination regulations	
Recommended prerequisites	Passed the first stage of education
Module objectives/intended learning outcomes	<p>Skill</p> <ul style="list-style-type: none"> • Students will be able to Apply logical, critical, systematic, and creative thinking through scientific writings, conduct scientific research in internal medicine and published in an accredited journal. <p>Competence</p> <ul style="list-style-type: none"> • Students will be able to perform the history taking, physical examination, laboratory tests, procedures in accordance with the specialization of internal medicine to make a diagnosis, by referring to evidence-based medicine • Students will be able to reach the level of competences which has been declared by Indonesian Medical Council (KKI) as General Internal Medicine Specialist. Through the training of how to perform diagnosis and clinical management in each divisions in internal medicine; Endocrine and Metabolic, Nephrology Hypertension, Pulmonology, Infection

	and Tropical Disease, Rheumatology, Hematology and Medical Oncology, Cardiology, Gastroenterohepatology, Geriatric and Geriantology, Allergic Immunology and Psychosomatic.
Content	<ol style="list-style-type: none"> 1. Congenital heart disease in adults 2. Inflammation of the heart and blood vessels 3. Ischemic heart disease 4. Diseases due to circulation disorders 5. Heart rhythm disorders 6. Heart defects due to systemic diseases 7. Diseases due to heart valve abnormalities 8. Hypertension 9. Abnormalities in blood vessels 10. Other heart diseases 11. Clinical skills competency
Form of assessment	Tutorials/Face-to-Face
	Case Study Discussion
	Field Practice
	Field Results Seminar <ul style="list-style-type: none"> • 5 literature review / case report (refers to supervisor) • 10 Journal (refers to supervisor) • 1 national paper
	Final Exam
Study and examination requirements and forms of examination	<u>General Assessment/Non-Test</u> <ul style="list-style-type: none"> • Presence • Liveliness • Modesty • Neatness

	<ul style="list-style-type: none"> • Presentation <p><u>Special Assessment/Test</u></p> <ul style="list-style-type: none"> • Exam (MINI-CEX, CBD, DOPS, MCQ)
Media employed	
Reading list	<ol style="list-style-type: none"> 1. Mann DL, Zipes DP, Libby P, Bonow RO. Braunwald's heart disease e-book: a textbook of cardiovascular medicine. Elsevier Health Sciences; 11th edition, 2018. 2. Kasper D, Fauci A, Hauser S, Longo D, Jameson J, Loscalzo J. Harrison's principles of internal medicine. McGraw-Hill Professional Publishing; 2018. 3. Setiati S, Alwi I, Sudoyo AW, Simadibrata M, Setiyohadi B, Syam AF. Textbooks on internal medicine. Jakarta: Interna Publishing. 2014:2464-72. 4. Lilly LS. Pathophysiology of heart disease: a collaborative project of medical students and faculty. Lippincott Williams & Wilkins; 2012 Aug 14. 5. Walsh R, Fang J, Fuster V, O'Rourke RA. Hurst's the Heart Manual of Cardiology. McGraw-Hill Publishing; 2012 Sep 3. 6. Griffin BP, Topol EJ, Nair D, Ashley K, editors. Manual of cardiovascular medicine. Lippincott Williams & Wilkins; 2008 Oct 1.

Course Learning Outcome assessment of learning outcomes for course modules

Course module name :Cardiology
Code : 20C01531610
Semester : 3rd to 6th
Person responsible for the module : Lecturer Team
Lecturer :

1. Prof. dr. Junus Alkatiri, Sp.PD, Sp.JP (K)
2. Prof. Dr. dr. Ali Aspar Mappahiya, Sp.PD, Sp.JP (K)
3. Dr. Pendrik Tandean, Sp.PD, SME
4. Dr. Khalid Saleh, Sp.PD, SME
5. Dr. dr.M. Idar Mappangara, Sp.PD, Sp.JP (K)
6. Dr. Zaenab Djafar, Sp.PD, Sp.JP (K)

Intended Learning Outcomes	Course Module Objectives	List of Assessments	List of Rubrics
<p>Skill (S1)</p> <p>1.Students will be able to Apply logical, critical, systematic, and creative thinking through scientific writings, conduct scientific research in internal medicine and published in an accredited journal.</p>	<p>Students will be able to Apply logical, critical, systematic, and creative thinking through scientific writings, conduct scientific research in cardiology division and published in an accredited journal.</p>	<p>Field Results Seminar</p> <ul style="list-style-type: none"> • 5 literature review / case report (refers to supervisor) • 10 Journal (refers to supervisor) • 1 national paper 	<p>Power point Presentation Capabilities Cooperation Liveliness Field results report CBD</p>
<p>Competence (C2)</p> <p>Students will be able to perform the history taking, physical examination, laboratory tests, procedures in accordance with the specialization of internal medicine to make</p>	<p>Students are able to perform diagnosis and clinical management in the field of Cardiology according to the problem, needs of the patient and his authority</p>	<ul style="list-style-type: none"> • Tutorials / Face-to-Face • Case Study Discussion 	<p><u>General Assessment/Non-Test</u></p> <p>Presence Liveliness Modesty Neatness Case worksheet Liveliness</p>

<p>a diagnosis, by referring to evidence-based medicine</p>			<p>Group cooperation Ability to convey ideas Discussion manners (politeness, forum ethics, effective communication)</p> <p><u>Special Assessment/Test</u> MCQ Exam (MINI-CEX)</p>
<p>Competence (C3) Students will be able to reach the level of competences which has been declared Indonesian Medical Council (KKI) as General Internal Medicine Specialist. Through the training of how to perform diagnosis and clinical management in each divisions in internal medicine; Endocrine and Metabolic, Nephrology Hypertension, Pulmonology, Infection and Tropical Disease Rheumatology, Hematology</p>	<p>Students will be able to reach the level of competences which has been declared by Indonesian Medical Council (KKI) as General Internal Medicine Specialist. Through the training of how to perform diagnosis and</p>	<ul style="list-style-type: none"> • Field Practice • Final Exam 	<p><u>General Assessment</u> Log Book in the field</p> <p><u>Special Assessment</u> Presence in the field Work Results Cooperation Attitudes and Behaviors in the field Exam (DOPS)</p>

and Medical Oncology, Cardiology, Gastroenterohepatology, Geriatric and Geriantology, Allergic Immunology and Psychosomatic.	clinical management in cardiology divisions.		
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19. Pulmonology and Respiration

Module Name	Pulmonology and Respiration
Module level, if applicable	-
Code, if applicable	20C01521510
Subtitle, if applicable	-
Semester (s) in which the module is taught	III - VI
Person responsible for the module	Lecturer Team
Lecturer	<ol style="list-style-type: none"> 1. DR.Dr. Nur Ahmad Tabri, SpPD,K-P,SpP(K) 2. DR.Dr. Muhammad Ilyas, SpPD,K-P,SpP(K) 3. DR.Dr. Erwin Arief, SpP(K), SpPD, K-P 4. DR.Dr. Harun Iskandar,SpP(K), SpPD, K-P 5. Dr. Eliana Muis, Sp.PD. K-P
Language	Indonesian Language (Bahasa Indonesia)
Relation to Curriculum	This division offered in the third semes
Type of teaching, content hours	<p>Teaching methods used in this division are :</p> <ul style="list-style-type: none"> ● Lecture (Lecture division and routine) 2x100 minutes / week ● Death Case / Literature review Reading 3x3 hours/week ● Journal Reading 1x 50 minutes/week ● Residency shift in outpatient clinic 5x6 hours/week ● Residency shift in the ward 3x9 hours minutes/week
Workload	For This course, students are required to meet a minimum time below for 12 weeks
Credit points	10 credit points (equivalent with 15,85 ECTS)
Requirements according to the examination regulations	-

Recommended prerequisites	Passed the first stage of education	
Module objectives/intended learning outcomes	<p>Skill</p> <ul style="list-style-type: none"> • Students will be able to Apply logical, critical, systematic, and creative thinking through scientific writings, conduct scientific research in internal medicine and published in an accredited journal. <p>Competence</p> <ul style="list-style-type: none"> • Students will be able to perform the history taking, physical examination, laboratory tests, procedures in accordance with the specialization of internal medicine to make a diagnosis, by referring to evidence-based medicine • Students will be able to reach the level of competences which has been declared by Indonesian Medical Council (KKI) as General Internal Medicine Specialist. Through the training of how to perform diagnosis and clinical management in each divisions in internal medicine; Endocrine and Metabolic, Nephrology Hypertension, Pulmonology, Infection and Tropical Disease, Rheumatology, Hematology and Medical Oncology, Cardiology, Gastroenterohepatology, Geriatric and Gerontology, Allergic Immunology and Psychosomatic. 	
Content	1	<p>1. Pulmonary parenchyma disease (Pulmonary TB (4A). Pneumonia (4A), Destroyed Lung(3B), Lung Cancer((3A), Diffuse Interstitial Lung Disease (ILD) (3A), Pulmonary Abscess (3B), Pulmonary Infarction (3B), Atelek Acute Respiratory Distress Syndrome (ARDS) (3B), Avian Influenza (4A), Lung Disease due to Fungal Infection (4A), Lung Disease due to Atipik Mycobacterium (4A))</p>

		<p>2. Airway diseases (Acute bronchitis (4A), Chronic bronchitis(4A), Bronchial Asthma (4A), Chronic Obstructive Pulmonary Disease (COPD)(4A))</p> <p>3. Penyakit pleura (Tuberkulosis ekstra paru (Pleuritis TB) (4A), Efusi Pleura (4A), Empyema (3B), Pneumotoraks (3B), Hematotoraks (4A), Tumor Mediastinum (3A), Mediastinitis (3A), Emfisema mediastinum (3A), Timoma (3A), Kista mediastinum(3A))</p> <p>4. Congenital pulmonary disease (Congenital pulmonary disease (3B), Cystic Fibrosis (4A), Pulmonary Vascular Disease (3A), Pulmonary Hypertension (3A))</p> <p>5. Emergency pulmonary disease (Pulmonary Embolism (3B), Respiratory failure (4A))</p> <p>6. Other pulmonary diseases (Lung disease in HIV(4A), Occupational and environmental pulmonary diseases (pneumoconiosis asbestosis, silicosis, etc.)(3A), Sleep Related Disorders/ Obstructive Sleep Apnea (OSA) (3A), Diaphragm disorders and chest wall (3A))</p>
	2	Perform thoracocentesis (with or without ultrasound guidance) (4A),
	3	<p>1. Able to perform interpretation of Thorax Photo examination (4A), interpretation of THORAX CT scan examination (3), thorax ultrasound (3) and BTA Sputum</p> <p>2. Able to perform spirometry and interpretation (4A)</p>
	4	Able to perform inhalation therapy (4A), oxygen therapy (4A) and KGB Coli Needle Aspiration Biopsy (4A)
Form of assessment	Tutorials/Face-to-Face	
	Case Study Discussion	
	Field Practice	

	<p>Field Results Seminar</p> <ul style="list-style-type: none"> • 5 literature review / case report (refers to supervisor) • 10 Journal (refers to supervisor) • 1 national paper
	Final Exam
Study and examination requirements and forms of examination	<p><u>General Assessment/Non-Test</u></p> <ul style="list-style-type: none"> • Presence • Liveliness • Modesty • Neatness • Presentation <p><u>Special Assessment/Test</u></p> <ul style="list-style-type: none"> • MCQ • Exam (MINI-CEX, CbD, DOPS)
Media employed	
Reading list	<ol style="list-style-type: none"> 1. Textbooks of Internal Medicine. FKUI Publisher Hall. 2012. 2. Indonesian Lung Doctors Association 2018 3. Harrison's Principles of internal medicine

COURSE LEARNING OUTCOME ASSESSMENT OF LEARNING OUTCOMES FOR COURSE MODULES

Course module name	: PULMONOLOGY & RESPIRATION
Code	: 20C01521510
Semester	: 3 rd – 6 th semester
Person responsible for the module	: Lecturer Team
Lecturer	: <ol style="list-style-type: none"> 1. DR.Dr. Nur Ahmad Tabri, SpPD,K-P,SpP(K) 2. DR.Dr. Muhammad Ilyas, SpPD,K-P,SpP(K) 3. DR.Dr. Erwin Arief, SpP(K), SpPD, K-P 4. DR.Dr. Harun Iskandar,SpP(K), SpPD, K-P

5. Dr. Eliana Muis, Sp.PD. K-P

Intended Learning Outcomes	Course Module Objectives	List of Assessments	List of Rubrics
<p>Skill (S1)</p> <p>Students will be able to Apply logical, critical, systematic, and creative thinking through scientific writings, conduct scientific research in internal medicine and published in an accredited journal.</p>	<p>Students will be able to Apply logical, critical, systematic, and creative thinking through scientific writings, conduct scientific research in cardiology division and published in an accredited journal.</p>	<p>Field Results Seminar</p> <ul style="list-style-type: none"> ● 5 literature review / case report (refers to supervisor) ● 10 Journal (refers to supervisor) ● 1 national paper 	<p>Power point Presentation Capabilities Cooperation Liveliness Field results report CBD</p>
<p>Competence (C2)</p> <p>Students will be able to perform the history taking, physical examination, laboratory tests, procedures in accordance with the specialization of internal medicine to make a diagnosis, by referring to</p>	<p>Students are able to perform diagnosis and clinical management in the field of Cardiology according to the problem, needs of the patient and his authority</p>	<ul style="list-style-type: none"> ● Tutorials / Face-to-Face ● Case Study Discussion 	<p><u>General Assessment/Non-Test</u></p> <p>Presence Liveliness Modesty Neatness Case worksheet Liveliness Group cooperation Ability to convey ideas Discussion manners (politeness, forum ethics, effective communication)</p>

evidence-based medicine			<u>Special Assessment/Test</u> MCQ Exam (MINI-CEX)
Competence (C3) Students will be able to reach the level of competences which has been declared by Indonesian Medical Council (KKI) as General Internal Medicine Specialist. Through the training of how to perform diagnosis and clinical management in each divisions in internal medicine; Endocrine and Metabolic, Nephrology Hypertension, Pulmonology, Infection and Tropical Disease, Rheumatology, Hematology and Medical Oncology, Cardiology,	Students will be able to reach the level of competences which has been declared by Indonesian Medical Council (KKI) as General Internal Medicine Specialist. Through the training of how to perform diagnosis and clinical management in pulmonology divisions.	<ul style="list-style-type: none"> • Field Practice • Final Exam 	<u>General Assessment</u> Log Book in the field <u>Special Assessment</u> Presence in the field Work Results Cooperation Attitudes and Behaviors in the field Exam (DOPS)

Gastroenterohepatology, Geriatric and Gerontology, Allergic Immunology and Psychosomatic.			
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20. Tropical Disease and Infection

Module Name	Tropical Disease and Infection
Module level, if applicable	-
Code, if applicable	20C01521408
Subtitle, if applicable	-
Semester (s) in which the module is taught	III, IV, V, VI
Person responsible for the module	Lecturer Team
Lecturer	<ol style="list-style-type: none"> 1. Prof. DR. dr. Halim Mubin Sp.PD KPTI 2. DR.dr. Rachmat Latief, SpPD, KPTI 3. dr. Sudirman Katu, SpPD KPTI 4. DR. dr. Risna Halim, SpPD KPTI 5. dr. Arianti Ulfa, SpPD
Language	Indonesian Language (Bahasa Indonesia)
Relation to Curriculum	This division offeres in the third semester until Sixth semester
Type of teaching, content hours	<ul style="list-style-type: none"> ● Public Lecture ● Lecture Division ● Seminar (Literature Review/ Case) ● Seminar (Journal/ case) ● Practicum (Polyclinic/ inpatient visitation/ consultation) ● Practicum
Workload	For This course, students are required to meet a minimum time below for 8 weeks which consist of:

	<ul style="list-style-type: none"> ● Lecture (Divisional and routine lecture) 2x100 minutes/week ● Death Case / Literature review Reading 3x3 hours/week ● Journal Reading / case 2x 50 minutes / week ● Polyclinic 5x8 hours/week ● Ward Shift 3x12 hours minutes/week
Credit points	8 credit points (equivalent with 11,52 ECTS)
Requirements according to the examination regulations	-
Recommended prerequisites	Passed the first stage of education
Module objectives/intended learning outcomes	<p>After Completing this division</p> <p>Skill</p> <ul style="list-style-type: none"> ● Students will be able to Apply logical, critical, systematic, and creative thinking through scientific writings, conduct scientific research in internal medicine and published in an accredited journal. <p>Competence</p> <ul style="list-style-type: none"> ● Students will be able to perform the history taking, physical examination, laboratory tests, procedures in accordance with the specialization of internal medicine to make a diagnosis, by referring to evidence-based medicine

	<ul style="list-style-type: none"> Students will be able to reach the level of competences which has been declared by Indonesian Medical Council (KKI) as General Internal Medicine Specialist. Through the training of how to perform diagnosis and clinical management in each divisions in internal medicine; Endocrine and Metabolic, Nephrology Hypertension, Pulmonology, Infection and Tropical Disease, Rheumatology, Hematology and Medical Oncology, Cardiology, Gastroenterohepatology, Geriatric and Gerontology, Allergic Immunology and Psychosomatic.
Content	
Form of assessment	Tutorials/Face-to-Face
	Case Study Discussion
	Field Practice
	Field Results Seminar
	Final Exam
Study and examination requirements and forms of examination	<p>General Assessment/Non-test</p> <ul style="list-style-type: none"> Presentation <p>Special Assessment/Test:</p> <ul style="list-style-type: none"> Mini-CEX CbD DOPS MCQ
Media employed	

Reading list	<ol style="list-style-type: none"> 1. Text Book Harrison's 2. Teaching Books on Internal Medicine
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Course Learning Outcome assessment of learning outcomes for course modules

Course module name : Tropical Disease and Infection

Code : 20C01521408

Semester : 3rd to 6th

Person responsible for the module : Lecture Team

Lecturer :

1. Prof. DR. dr. Halim Mubin Sp.PD KPTI
2. DR.dr. Rachmat Latief, SpPD, KPTI
3. dr. Sudirman Katu, SpPD KPTI
4. DR. dr. Risna Halim, SpPD KPTI
5. dr. Arianti Ulfa, SpPD

Intended Learning Outcomes	Course Module Objectives	List of Assessments	List of Rubrics
<p>Skill (S1)</p> <p>Students will be able to Apply logical, critical, systematic, and creative thinking through scientific writings, conduct scientific research in internal medicine and published in an accredited journal. (S1)</p>	<p>Students will be able to Apply logical, critical, systematic, and creative thinking through scientific writings, conduct scientific</p>	<p>Field Results Seminar</p> <ul style="list-style-type: none"> • 5 literature review / case report (refers to supervisor) • 10 Journal (refers to supervisor) • 1 national paper • Case Study Discussion 	<p>Power point Presentation Capabilities Cooperation Liveliness Field results report CBD</p>

	research in internal medicine and published in Infection and Tropical Disease		
<p>Competence</p> <p>Students will be able to perform the history taking, physical examination, laboratory tests, procedures in accordance with the specialization of internal medicine to make a diagnosis, by referring to evidence-based medicine (C2)</p>	<p>Student will be able to perform diagnosis and clinical management in the field of Tropical Infections according to the problem, needs of patients and their authority</p>	<ul style="list-style-type: none"> • Tutorials/Face-to-Face • Case Study Discussion 	<p><u>General Assessment</u></p> <p>Presence</p> <p>Liveliness</p> <p>Modesty</p> <p>Neatness</p> <p><u>Special Assessment</u></p> <p>MCQ</p> <p>MINI-CEX</p>
<p>Students will be able to reach the level of competences which has been declared by Indonesian Medical Council (KKI) as General Internal Medicine Specialist. Through the training of how to perform diagnosis and clinical management in each divisions in internal medicine; Endocrine and Metabolic, Nephrology Hypertension, Pulmonology,</p>	<p>Students will be able to reach the level of competences which has been declared by Indonesian Medical Council (KKI) as General Internal Medicine</p>	<ul style="list-style-type: none"> • Field Practice • Final Exam 	<p><u>General Assessment</u></p> <p>Log Book in the field</p> <p><u>Special Assessment</u></p> <p>Presence in the field</p> <p>Work Results</p> <p>Cooperation</p>

<p>Infection and Tropical Disease, Rheumatology, Hematology and Medical Oncology, Cardiology, Gastroenterohepatology, Geriatric and Geriantology, Allergic Immunology and Psychosomatic. (C3)</p>	<p>Specialist. Through the training of how to perform diagnosis and clinical management in each division in Infection and Tropical Disease</p>		<p>Attitudes and Behaviors in the field Exam (DOPS)</p>
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21. Nephrology and Hypertension

Module Name	Nephrology-Hypertension
Module level, if applicable	-
Code, if applicable	20C01521308
Subtitle, if applicable	-
Semester (s) in which the module is taught	III, IV, V, VI
Person responsible for the module	Lecturer team
Lecturer	<ol style="list-style-type: none"> 1. Prof. Dr. dr. Syakib Bakri, Sp.PD, KGH 2. Dr. Dr. Hasyim Kasim , Sp.PD, KGH 3. Prof. Dr. dr. Haerani Rasyid, M.Kes, Sp.PD, KGH, SpGK 4. dr. St. Rabiul Zatalia R, Sp.PD, KGH
Language	Indonesian Language (Bahasa Indonesia)
Relation to Curriculum	This division offeres in the third semester until Sixth semester
Type of teaching, content hours	<ul style="list-style-type: none"> • Public Lecture • Lecture Division: • Seminar (Literature Review/ Case): • Seminar (Journal) • Practicum (Polyclinic/ inpatient visitation/ consultation) • Practicum (Ward Shift)
Workload	<ul style="list-style-type: none"> • Lecture (Divisional and routine lecture) 2x100 minutes/week • Death Case / Literature review Reading 3x3 hours/week

	<ul style="list-style-type: none"> • Journal Reading / case 2x 50 minutes / week • Polyclinic 5x8 hours/week • Ward shift 3x12 hours /week
Credit points	8 credit points (equivalent with 11,52 ECTS)
Requirements according to the examination regulations	Past The First Stage
Recommended prerequisites	No recommended prerequisites for this course
Module objectives/intended learning outcomes	<p>Skill</p> <ul style="list-style-type: none"> • Students will be able to Apply logical, critical, systematic, and creative thinking through scientific writings, conduct scientific research in internal medicine and published in an accredited journal. <p>Competence</p> <ul style="list-style-type: none"> • Students will be able to perform the history taking, physical examination, laboratory tests, procedures in accordance with the specialization of internal medicine to make a diagnosis, by referring to evidence-based medicine • Students will be able to reach the level of competences which has been declared by Indonesian Medical Council (KKI) as General Internal Medicine Specialist. Through the training of how to perform diagnosis and clinical management in each divisions in internal medicine; Endocrine and Metabolic, Nephrology Hypertension, Pulmonology, Infection and Tropical Disease, Rheumatology, Hematology and Medical Oncology, Cardiology,

	Gastroenterohepatology, Geriatric and Geriantology, Allergic Immunology and Psychosomatic.
Content	<ol style="list-style-type: none"> 1. Acute Nephritis Syndrome (3A) 2. <i>Rapid Progressive Glomerulonephritis (3B)</i> 3. Chronic Nephritis Syndrome (3A) 4. Nephrotic Syndrome (3A) 5. Hereditary Nephropathy (3A) 6. Renal amyloidosis (2) 7. Acute Glomerulonephritis (3A) 8. Chronic Glomerulonephritis (3A) 9. Acute tubular necrosis (3B) 10. Chronic tubulo-interstitial nephritis (3A) 11. Reflux and obstructive uropathy (3B) 12. Tubulo-interstitial abnormalities due to drugs and heavy metals (3B) 13. <i>Acute kidney injury</i> stage 1 and 2. (4A) 14. <i>Acute kidney injury</i> stage 3. (3B) 15. Chronic kidney disease stage 1-4. (4A) 16. Chronic kidney disease stage 5. (3B) 17. Kidney stones. (4A) 18. Urinary tract stones (vesika urinaria, ureter and urethra). (4A) 19. Colic renal. (4A) 20. Neuromuscular dysfunction of the urinary tract (3A) 21. Urethritis and urethra syndrome (4A) 22. Stricture of the urethra (3A) 23. Acute Pyelonephritis (4A) 24. Chronic Pyelonephritis (4A)

	<p>25. Lower urinary tract infections (acute and chronic cystitis) (4A*)</p> <p>26. Prostate hyperplasia. (4A)</p> <p>27. Polycystic Kidney Disease. (3A)</p> <p>28. Horseshoe kidneys. (3A)</p> <p>29. Tumor Wilms. (3A)</p> <p>30. Renal cell carcinoma. (3A)</p> <p>31. Disturbance of liquids, electrolytes and alkaline acids. (4A)</p> <p>32. Primary hypertension (4A*)</p> <p>33. Secondary hypertension (4A)</p> <p>34. Hypertension in pregnancy (4A)</p> <p>35. Diabetic Kidney Disease (4A)</p> <p>36. Hepatorenal syndrome (3B)</p> <p>37. Hemodialysis (2)</p> <p>38. Continuous Ambulatory Peritoneal Dialysis (Catheter Tenckhoff) (2)</p> <p>39. Kidney transplantation (management pre and post in the field of internal medicine) (2)</p> <p>40. Double lumen catheters application (2)</p> <p>41. Kidney biopsies (2)</p> <p>42. Kidney cyst aspiration (2)</p> <p>43. Acute peritoneal dialysis (2)</p> <p>44. <i>Renal sympathetic denervation</i> (2)</p> <p>45. Ultrasound of the kidneys and urinary tract (3)</p> <p>46. Folley cateter application(4A)</p>
Form of assessment	Tutorials/Face-to-face
	Case Study Discussion
	Field Practice

	Field Results Seminar
	Final Exam
Study and examination requirements and forms of examination	<u>General Assessment/Non-Test</u> <ul style="list-style-type: none"> • Presentation <u>Special Assessment/Test</u> <ul style="list-style-type: none"> • MCQ • Exam (MINI-CEX, CbD, DOPS)
Media employed	
Reading list	<p>Main :</p> <ol style="list-style-type: none"> 1. Skorecki, K. (2016). <i>Brenner and Rector's The Kidney</i> (10th ed). California: Elsevier. 2. Jameson, J.L, (2018). <i>Harrison's Principles of Internal Medicine</i> (20th ed). New York: McGraw Hill Education. 3. Sudoyo, Aru W. et al. (2015). Chapter 25 in <i>The Teaching Book of Disease Sciences Dalam</i>. (Issue V). Jakarta: Interna Publishing. <p>Supporting</p> <ol style="list-style-type: none"> 1. Kidney Disease: Improving Global Outcomes (KDIGO) CKD Work Group. KDIGO 2012 Clinical Practice Guideline for the Evaluation and Management of Chronic Kidney Disease. <i>Kidney Int (Suppl)</i>. 2013; 3: 1–150. 2. National Kidney Foundation (NKF) Kidney Disease Outcome Quality Initiative (K/DOQI) Advisory Board: K/DOQI Clinical Practise Guidelines for Chronic Kidney Disease: Evaluation, Classification, and Stratification.

	<p>Kidney Disease Outcome Quality Initiative. <i>Am J Kidney Dis.</i> 2002; 39:(Suppl 2):S1-S246.</p> <p>3. The 7th Report of The Joint National Committee on Prevention, Detection, Evaluation, and Treatment of High Blood Pressure. The JNC report. <i>JAMA.</i> 2003; 289:2560-2572.</p> <p>4. 2014 Evidence-based guideline for the management of high blood pressure in adults. Report from the panel members appointed to the Eight Joint National Committee (JNC 8). <i>JAMA.</i> 2014; 311 (5): 507-520.</p> <p>5. 2017 Guideline for the prevention, detection, evaluation and management of high blood pressure in adults. American college of cardiology. Available at: http://ACC.org/GMSHBP.</p> <p>6. Consensus PERNEFRI</p> <p>7. Guidelines for examination techniques and clinical procedures of internal medicine. For students of the internal medicine specialist program. Collegial Science of Internal Medicine. Department of Internal Medicine FK UI/RSCM. 2017.</p>
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Course Learning Outcome assessment of learning outcomes for course modules

Course module name : Nephrology-Hypertension

Code : 20C01521308

Semester : 3rd to 6th

Person responsible for the module : Lecturer Team

Lecturer :

1. Prof. Dr. dr. Syakib Bakri, Sp.PD, KGH

2. Dr. Dr. Hasyim Kasim , Sp.PD, KGH

3. Prof. Dr. dr. Haerani Rasyid, M.Kes, Sp.PD, KGH, SpGK
4. dr. St. Rabiul Zatalia R, Sp.PD, KGH

Intended Learning Outcomes	Course Module Objectives	List of Assessments	List of Rubrics
<p>Skill (S1)</p> <p>1. Students will be able to Apply logical, critical, systematic, and creative thinking through scientific writings, conduct scientific research in internal medicine and published in an accredited journal.</p>	<p>Students will be able to reach the level of competences which has been declared by Indonesian Medical Council (KKI) as General Internal Medicine Specialist.</p> <p>Through the training of how to perform diagnosis and clinical management in each divisions in internal medicine; Nephrology and Hypertension</p>	<p>Field Results Seminar</p> <ul style="list-style-type: none"> • 5 literature review / case report (refers to supervisor) • 10 Journal (refers to supervisor) • 1 national paper 	<p>Power point Presentation Capabilities Cooperation Liveliness Field results report CBD</p>
<p>Competence (C2)</p> <p>1. Students will be able to perform the history</p>		<p>Tutorials/Face-to-Face</p>	<p><u>General Assessment/Non-Test</u></p>

<p>taking, physical examination, laboratory tests, procedures in accordance with the specialization of internal medicine to make a diagnosis, by referring to evidence-based medicine</p>			<p>Presence Liveliness Modesty Neatness</p> <p><u>Special Assessment/Test</u> MCQ MINI-CEX</p>
<p>Competence (C3) Students will be able to reach the level of competences which has been declared by Indonesian Medical Council (KKI) as General Internal Medicine Specialist. Through the training of how to perform diagnosis and clinical management in each divisions in internal medicine; Endocrine and Metabolic, Nephrology Hypertension, Pulmonology, Infection</p>		<p>Field Practice</p> <p>Final Exam</p>	<p><u>General Assessment</u> Log Book in the field</p> <p><u>Special Assessment</u> Presence in the field Work Results Cooperation Attitudes and Behaviors in the field Exam (DOPS)</p>

and Tropical Disease, Rheumatology, Hematology and Medical Oncology, Cardiology, Gastroenterohepatology, Geriatric and Geriantology, Allergic Immunology and Psychosomatic			
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22. Endocrinology, Metabolic, and Diabetes

Module Name	Endocrinology, Metabolic, and Diabetes
Module level, if applicable	-
Code, if applicable	20C01521208
Subtitle, if applicable	-
Semester (s) in which the module is taught	III, IV, V, VI
Person responsible for the module	Lecturer team
Lecturer	Dr. dr. A. Makbul Aman, Sp.PD, K-EMD
Language	Indonesian Language (Bahasa Indonesia)
Relation to Curriculum	This division offeres in the third semester until Sixth semester
Type of teaching, content hours	<ul style="list-style-type: none"> • Public Lecture • Lecture Division: • Seminar (Literature Review / Case): • Seminar (Journal) • Practicum (Polyclinic/ inpatient visitation/ consultation): • Practicum (Ward Shift)
Workload	<ul style="list-style-type: none"> • Lecture (Divisional and routine lecture) 2x100 minutes/week • Death Case / Literature review Reading 3x3 hours/week • Journal Reading / case 2x 50 minutes / week • Polyclinic 5x8 hours/week • Ward Shift 3x12 hours minutes/week
Credit points	1credit points (equivalent with 11,52 ECTS)

Requirements according to the examination regulations	
Recommended prerequisites	No recommended prerequisites for this course
Module objectives/intended learning outcomes	<p>Skill</p> <ul style="list-style-type: none"> • Students will be able to Apply logical, critical, systematic, and creative thinking through scientific writings, conduct scientific research in internal medicine and published in an accredited journal. <p>Competence</p> <ul style="list-style-type: none"> • Students will be able to perform the history taking, physical examination, laboratory tests, procedures in accordance with the specialization of internal medicine to make a diagnosis, by referring to evidence-based medicine • Students will be able to reach the level of competences which has been declared by Indonesian Medical Council (KKI) as General Internal Medicine Specialist. Through the training of how to perform diagnosis and clinical management in each divisions in internal medicine; Endocrine and Metabolic, Nephrology Hypertension,

	<p>Pulmonology, Infection and Tropical Disease, Rheumatology, Hematology and Medical Oncology, Cardiology, Gastroenterohepatology, Geriatric and Geriantology, Allergic Immunology and Psychosomatic.</p>
<p>Content</p>	<ol style="list-style-type: none"> 1. Diabetes Mellitus type 1 (4A) 2. Diabetes Mellitus type 2 (4A) 3. Diabetes Mellitus Gestasional (4A) 4. Diabetes Mellitus other types (4A) 5. Ketoacidosis Diabetic (4A) 6. Hiperosmolar Hiperglukemik State (4A) 7. Hypoglycemia (4A) 8. Complications of Microangiopathy and Macroangiopathy (4A) 9. Non Toxic from Struma Difusa/Nodosa Toxic (4A) 10. Hyperthyroidism (4A) 11. Hypothyroidism (4A) 12. Graves Disease (4A) 13. Acute/subacute/chronic thyroiditis (4A) 14. Thyroid Abnormalities in Pregnancy (4A) 15. Thyroid Cancer (3A) 16. Hyperparathyroidism Secondary (4A) 17. Hypoparathyroidism (4A) 18. Hypercalcemia (4A) 19. Hypocalcemia (4A)

	<p>20. Osteoporosis/Osteomalacia (4A)</p> <p>21. Dyslipidemia (4A)</p> <p>22. Obesity (4A), Metabolic Syndrome</p> <p>23. Tumor pituitary/tumor hipofisis (3A)</p> <p>24. Prolaktinemia (3A), Akromegali (3A) Gigantisme (3A), Diabetes insipidus <i>Syndrome of Inappropriate antidiuretic hormone</i> (SIADH), Growth hormone(3A)</p> <p>25. Cushing disease (4A)</p> <p>26. Growth Hormone Deficiency (3A)</p> <p>27. Cushing syndrome (4A)</p> <p>28. Addisons disease (3B)</p> <p>29. Adrenal Crisis (4A)</p> <p>30. Hipogonadisme (3A)</p> <p>31. Sexual Dysfunctions (3A)</p> <p>32. Infertility (3A)</p> <p>33. Erectile disorder (3A)</p> <p>34. Ejaculation Disorders (3A)</p> <p>35. Primary and secondary amenorrhea</p> <p>36. Polycysticovarian sindrome</p> <p>37. Turner Sindrome (3A)</p> <p>38. Klinefelter syndrome (3A)</p> <p>39. Congenital adrenal hyperplasia (CAH) (3A)</p> <p>40. Marfan syndrome (3A)</p> <p>41. Familial dyslipidemia (3A)</p> <p>42. Multiple endocrine neoplasia 1 (3A)</p> <p>43. Multiple endocrine neoplasia 2 (3A)</p>
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Form of assessment	Tutorials/Face-to-face
	Case study Discussion
	Field Practice
	Field Results Seminar
	Final Exam
Study and examination requirements and forms of examination	<u>General Assessment/Non-Test</u> <ul style="list-style-type: none"> • Presentation <u>Special Assessment/Test</u> <ul style="list-style-type: none"> • MCQ • Exam (MINI-CEX, CbD, DOPS)
Media employed	
Reading list	Main: <ol style="list-style-type: none"> 1. Harrison’s Principles of internal medicine: Endocrinology and metabolism. Bina Rupa Aksara. Jakarta. 2013. 2. Williams Textbook of Endocrinology. Elsevier. 2015 Supporters : <ol style="list-style-type: none"> 1. Teaching Books on Internal Medicine 2. Consensus PERKENI 2015 3. ADA Journal Diabetes Care 4. Technical Guidelines for Examination and Clinical Procedures of Internal Medicine. Collegial Science of Internal Medicine. 2017 Greenspan’s Basic & Clinical Endocrinology 10th. Editioin. Lange. 2018

Course Learning Outcome assessment of learning outcomes for course modules

Course module name : ENDOCRINOLOGY, DIABETES & METABOLISM

Code : 20C01521208

Semester : 3rd to 6th

Person responsible for the module : Lecturer Team

Lecturer : Dr. dr. A. Makbul Aman, Sp.PD, K-EMD

Intended Learning Outcomes	Course Module Objectives	List of Assessments	List of Rubrics
<p>Skill (S1)</p> <p>1. Students will be able to Apply logical, critical, systematic, and creative thinking through scientific writings, conduct scientific research in internal medicine and published in an accredited journal.</p>	<p>Students will be able to reach the level of competences which has been declared by Indonesian Medical Council (KKI) as General Internal Medicine Specialist. Through the training of how to perform diagnosis and clinical management in each divisions in internal medicine; Endocrine and Metabolic, Nephrology Hypertension, Pulmonology, Infection and Tropical Disease, Rheumatology, Hematology and Medical Oncology, Cardiology,</p>	<p>Field Results Seminar</p> <ul style="list-style-type: none"> • 5 literature review / case report (refers to supervisor) • 10 Journal (refers to supervisor) • 1 national paper 	<p>Power point Presentation Capabilities Cooperation Liveliness Field results report CBD</p>

	Gastroenterohepatology, Geriatric and Geriantology, Allergic Immunology and Psychosomatic.		
Competence (C2) 1. Students will be able to perform the history taking, physical examination, laboratory tests, procedures in accordance with the specialization of internal medicine to make a diagnosis, by referring to evidence-based medicine		Tutorials/Face-to-Face	<u>General Assessment/Non-Test</u> Presence Liveliness Modesty Neatness <u>Special Assessment/Test</u> MCQ Exam (MINI-CEX)
Competence (C3) 2. Students will be able to reach the level of competences which has been declared by Indonesian Medical Council (KKI) as General Internal Medicine Specialist. Through the training		Field Practice Final Exam	<u>General Assessment</u> Log Book in the field <u>Special Assessment</u> Presence in the field Work Results Cooperation

<p>of how to perform diagnosis and clinical management in each divisions in internal medicine; Endocrine and Metabolic, Nephrology Hypertension, Pulmonology, Infection and Tropical Disease, Rheumatology, Hematology and Medical Oncology, Cardiology, Gastroenterohepatology, Geriatric and Geriantology, Allergic Immunology and Psychosomatic.</p>			<p>Attitudes and Behaviors in the field Exam (DOPS)</p>
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23. Outpatient Clinic

Module Name	Outpatient Clinic
Module level, if applicable	-
Code, if applicable	20C01542308
Subtitle, if applicable	-
Semester (s) in which the module is taught	7
Person responsible for the module	Lecturer Team
Lecturer	<ol style="list-style-type: none"> 1. Prof. Dr. dr. Syakib Bakri, Sp.PD, KGH 2. Prof. dr. Harsinen Sanusi, Sp.PD, KEMD 3. Prof. Dr. dr. Haerani Rasyid, M.Kes, Sp.PD, KGH, Sp.GK 4. Dr. dr. Andi Fachruddin Benyamin, Sp.PD, KHOM 5. Dr. dr. Tutik Harjianti, Sp.PD, KHOM 6. Dr. dr. Sahyuddin, Sp.PD, KHOM 7. dr. Rahmawati Minhajat, Ph.D, Sp.PD, KHOM 8. Dr. Dr. Hasyim Kasim, Sp.PD, KGH 9. Dr. dr. Andi Makbul Aman, Sp.PD, KEMD 10. Dr. dr. Husaini Umar, Sp.PD, KEMD 11. Dr. dr. Faridin HP, Sp.PD, KR 12. Dr. dr. Femi Syahrani, Sp.PD, KR 13. Dr. dr. Himawan D. Sanusi, Sp.PD, KEMD 14. dr. Sudirman Katu, Sp.PD, KPTI 15. Dr. dr. Risna Halim, Sp.PD, KPTI 16. Dr. dr. Dimas Bayu, Sp.PD, KHOM 17. Dr. dr. Fardah Akil, Sp.PD, KHOM 18. Dr. dr. A.M. Luthfi Parewangi, Sp.PD, KGEH

	<p>19. Dr. dr. Nu'man As Daud, Sp.PD, KGEH</p> <p>20. dr. Rini Rachmawarni Bachtiar, MARS, Sp.PD, KGEH</p>
Language	Indonesian Language (Bahasa Indonesia)
Relation to Curriculum	This division offeres in the seventh semester
Type of teaching, content hours	<p>Teaching methods used in this division are :</p> <ul style="list-style-type: none"> ● Lecture ● Seminar (Literature Review, Case report) ● Practicum (outpatient care / inpatient visitation)
Workload	<p>For This course, students are required to meet a minimum time below for 12 weeks :</p> <ul style="list-style-type: none"> ● Lecture 1x100 minutes/week ● Death Case / Literature review Reading 3x3 hours/week` ● Residency shift in the ward 5x8 hours/week ● Residency shift in outpatient clinic 1x12 hours /week
Credit points	8 credit points (equivalent with 12,68 ECTS)
Requirements according to the examination regulations	
Recommended prerequisites	Pass the 2 nd stage of education
Module objectives/intended learning outcomes	<p>Skill :</p> <ul style="list-style-type: none"> ● Students will be able to manage, develop and maintain networks with colleagues and peers; inter-departmental, other departments, wider health institutions and professional communities. <p>Competence:</p> <ul style="list-style-type: none"> ● Students will be able to manage independently and /or lead a team work in problem solving internal medicine diseases in Outpatient, Emergency Department, Inpatient and Intensive

	Care Unit through inter, multi, and transdisciplinary approaches to improve curative, reduce morbidity and mortality rates.	
Content	1	In accordance with the learning materials in the Tropical Infection Division
	2	In accordance with the learning materials in the Gastroentero-Hepatology Division
	3	In accordance with the learning materials in the Division of Cardiology
	4	In accordance with the learning materials in the Division of Pulmonology
	5	In accordance with the learning materials in the Division of Kidney-Hypertension
	6	In accordance with the learning materials in the Division of Rheumatology
	7	In accordance with the learning materials in the Allergy-Immunology Division
	8	In accordance with the learning materials in the Geriatric Division
	9	In accordance with the learning materials in the Division of Hematology Medical Oncology
	10	In accordance with the learning materials in the Division of Metabolic Endocrine and Diabetes
	11	In accordance with the learning materials in the Psychosomatic Division
Form of assessment	Tutorials/Face-to-Face	
	Case Study Discussion	
	Field Practice	

	Field Results Seminar
	Final Exam
Study and examination requirements and forms of examination	<u>General Assessment/Non-Test</u> <ul style="list-style-type: none"> • Presence • Liveliness • Modesty • Neatness • Presentation <u>Special Assessment/Test</u> <ul style="list-style-type: none"> • MCQ • Ujian mini-CEX, CbD, DOPS
Media employed	
Reading list	<ol style="list-style-type: none"> 1. Buku panduan Clinical Pathway 2. Guide to Clinical Practice of Management in the Field of Internal Medicine 3. EIMED PAPDI Internal Medicine Basic emergency 4. EIMED PAPDI Of Advanced Internal Medicine emergency 5. Hazzard's geriatric medicine and gerontology. 6th Edition. New York: McGraw Hill Medical; 2009 6. Brenner and Rector's The Kidney 7. Allergy Basic 1st Edition 8. Basic Immunology 10th Edition 9. Textbook Division of Tropical Infections And Diseases 10. Indonesian Lung Doctors Association Book 2018 11. Consensus PERKENI 2015

LEARNING OUTCOME ASSESSMENT OF LEARNING OUTCOMES FOR COURSE MODULES

Course module name : Outpatient Clinic

Code : 20C01542308

Semester : 7th

Person responsible for the module : Lecturer Team

Lecturer :

1. Prof. Dr. dr. Syakib Bakri, Sp.PD, KGH
2. Prof. dr. Harsinen Sanusi, Sp.PD, KEMD
3. Prof. Dr. dr. Haerani Rasyid, M.Kes, Sp.PD, KGH, Sp.GK
4. Dr. dr. Andi Fachruddin Benyamin, Sp.PD, KHOM
5. Dr. dr. Tutik Harjianti, Sp.PD, KHOM
6. Dr. dr. Sahyuddin, Sp.PD, KHOM
7. dr. Rahmawati Minhajat, Ph.D, Sp.PD, KHOM
8. Dr. Dr. Hasyim Kasim, Sp.PD, KGH
9. Dr. dr. Andi Makbul Aman, Sp.PD, KEMD
10. Dr. dr. Husaini Umar, Sp.PD, KEMD
11. Dr. dr. Faridin HP, Sp.PD, KR
12. Dr. dr. Femi Syahrani, Sp.PD, KR
13. Dr. dr. Himawan D. Sanusi, Sp.PD, KEMD
14. dr. Sudirman Katu, Sp.PD, KPTI
15. Dr. dr. Risna Halim, Sp.PD, KPTI
16. Dr. dr. Dimas Bayu, Sp.PD, KHOM
17. Dr. dr. Fardah Akil, Sp.PD, KHOM
18. Dr. dr. A.M. Luthfi Parewangi, Sp.PD, KGEH
19. Dr. dr. Nu'man As Daud, Sp.PD, KGEH
20. dr. Rini Rachmawarni Bachtiar, MARS, Sp.PD, KGEH

Intended Learning Outcomes	Course Module Objectives	List of Assessments	List of Rubrics
Skill (S2):	Students are able to manage independently and or lead	Case Study Discussion	<u>General Assessment/Non-Test</u>

<p>Students will be able to manage, develop and maintain networks with colleagues and peers; inter-departmental, other departments, wider health institutions and professional communities.</p>	<p>the team in solving internal health problems in individuals, families, or communities comprehensively through inter, multi, and transdisciplinary approaches in the context of secondary/tertiary health services</p>	<p>Tutorials/Face- ce</p>	<p>Presence Liveliness Modesty Neatness Case worksheet Liveliness Group cooperation Ability to convey ideas Discussion manners (politeness, forum ethics, effective communication)</p> <p><u>Special Assessment/Test</u> MiniCEX, CbD, DOPS</p>
<p>Competence (C4): Students will be able to manage independently and /or lead a team work in problem solving internal medicine diseases in Outpatient, Emergency Department, Inpatient and Intensive Care Unit through</p>	<p>Students will be able to manage independently and /or lead a team work in problem solving internal medicine diseases in Outpatient.</p>	<p>Field Practice Field Results Seminar Final Exam</p>	<p>Power point Presentation Capabilities Cooperation Liveliness Field results report</p> <p>DOPS MCQ</p>

inter, multi, and transdisciplinary approaches to improve curative, reduce morbidity and mortality rates.			
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24. Independent Practice I (Hospital Network)

Module Name	Independent Practice I (Hospital Network)
Module level, if applicable	-
Code, if applicable	20C01542405
Subtitle, if applicable	-
Semester (s) in which the module is taught	7
Person responsible for the module	Lecturer Team
Lecturer	<ol style="list-style-type: none"> 1. Prof. dr. Harsinen Sanusi, Sp.PD-KEMD 2. Prof. Dr. dr. Ali Aspar Mappaya, SpPD, K-KV, Sp.JP (K) 3. Prof.Dr. dr. Syakib Bakri, Sp.PD, KGH 4. Prof. Dr. dr. Haerani Rasyid, M.Kes, Sp.PD, KGH, Sp.GK 5. Dr. dr. Andi Fachruddin Benyamin, Sp.PD, KHOM 6. Dr. dr. Tutik Harjianti, Sp.PD, KHOM 7. Dr. dr. Khalid Saleh, SpPD, KKV 8. Dr. dr. Pendrik Tandean, Sp.PD, K-KV 9. Dr. dr. Idar Mappangara, Sp.PD, SpJP (K) 10. dr. Wasis Udaya, Sp.PD, K-Ger 11. Dr. dr. Sahyuddin, Sp.PD, KHOM 12. dr. Rahmawati Minhajat, Ph.D, Sp.PD, KHOM 13. Dr. Dr. Hasyim Kasim, Sp.PD, KGH 14. Dr. dr. Andi Makbul Aman, Sp.PD, KEMD 15. Dr. dr. Nur Ahmad Tabri, SpPD, K-P, Sp.P 16. Dr. dr. Tutik Harjianti, SpPD, K-HOM 17. Dr. dr. Husaini Umar, Sp.PD, KEMD 18. Dr. dr. Faridin HP, Sp.PD, KR

	<p>19. Dr. dr. Harun Iskandar, SpPD, K-P, Sp.P</p> <p>20. Dr. dr. Femi Syahrani, Sp.PD, KR</p> <p>21. Dr. dr. Himawan D. Sanusi, Sp.PD, KEMD</p> <p>22. dr. Sudirman Katu, Sp.PD, KPTI</p> <p>23. Dr. dr. Risna Halim, Sp.PD, KPTI</p> <p>24. dr. Dimas Bayu, Sp.PD, KHOM</p> <p>25. Dr. dr. Fardah Akil, Sp.PD, KHOM</p> <p>26. Dr. dr. Fabiola MS Adam, SpPD, K-EMD</p> <p>27. dr. Endy Adnan, SpPD, K-R, PhD</p> <p>28. dr. Agus Sudarso, SpPD, K-Ger</p> <p>29. dr. Zaenab Djafar, SpPD, SpJP</p> <p>30. Dr. dr. A.M. Luthfi Parewangi, Sp.PD, KGEH</p> <p>31. Dr. dr. Nu'man As Daud, Sp.PD, KGEH</p> <p>32. dr. Rini Rachmawarni Bachtiar, MARS, Sp.PD, KGEH</p> <p>33. dr. St. Rabiul Zatalia Ramadhan, SpPD, K-GH</p> <p>34. dr. Satriawan Abadi, SpPD, K-IC</p> <p>35. dr. Suriani Alimuddin, SpPD, K-AI</p> <p>36. dr. Susanto H. Kusuma, SpPD, K-GEH</p> <p>37. dr. Amelia Rifai, SpPD, K-GEH</p> <p>38. Dr. Abd. Rahman Umar, SpPD, K-R</p>
Language	Indonesian Language (Bahasa Indonesia)
Relation to Curriculum	This division offeres in the seventh semester
Type of teaching, content hours	<p>Teaching methods used in this division are :</p> <ul style="list-style-type: none"> • Lecture: • Seminar (Literature Review, Case report) • Practicum (outpatient services)
Workload	For This course, students are required to meet a minimum time below for 12 weeks :

	<ul style="list-style-type: none"> • Lecture 1x50 minutes/week • Death Case / Literature review Reading 3x3 hours/week • Polyclinic 5x6 hours/week
Credit points	5 credit points (equivalent with 7,93 ECTS)
Requirements according to the examination regulations	Past the first and second stage
Recommended prerequisites	No recommended prerequisites for this course
Module objectives/intended learning outcomes	<p>Competence:</p> <ul style="list-style-type: none"> • Students will be Able to perform, making plan, interpretation, summarize and treatment plan for all problems for the patients with the general internal medicine. • Students will be able to perform the history taking, physical examination, laboratory tests, procedures in accordance with the specialization of internal medicine to make a diagnosis, by referring to evidence-based medicine • Students will be able to reach the level of competences which has been declared by Indonesian Medical Council (KKI) as General Internal Medicine Specialist. Through the training of how to perform diagnosis and clinical management in each divisions in internal medicine; Endocrine and Metabolic, Nephrology Hypertension, Pulmonology, Infection and Tropical Disease, Rheumatology, Hematology and Medical Oncology, Cardiology, Gastroenterohepatology, Geriatric and Geriantology, Allergic Immunology and Psychosomatic.

	<ul style="list-style-type: none"> Students will be able to manage independently and /or lead a team work in problem solving internal medicine diseases in Outpatient, Emergency Department, Inpatient and Intensive Care Unit through inter, multi, and transdisciplinary approaches to improve curative, reduce morbidity and mortality rates. 	
Content	1	In accordance with the learning materials in the Tropical Infection Division
	2	In accordance with the learning materials in the Gastroentero-Hepatology Division
	3	In accordance with the learning materials in the Division of Cardiology
	4	In accordance with the learning materials in the Division of Pulmonology
	5	In accordance with the learning materials in the Division of Kidney-Hypertension
	6	In accordance with the learning materials in the Division of Rhematology
	7	In accordance with the learning materials in the Allergy-Immunology Division
	8	In accordance with the learning materials in the Geriatric Division
	9	In accordance with the learning materials in the Division of Hematology Medical Oncology
	10	In accordance with the learning materials in the Division of Metabolic Endocrine and Diabetes
	11	In accordance with the learning materials in the Psychosomatic Division

Form of assessment	Tutorials/Face-to-face
	Case study Discussion
	Field Practice
	Field Results Seminar
	Final exam & 2 nd stage comprehensive test
Study and examination requirements and forms of examination	<u>General Assessment/Non-Test</u> <u>Special Assessment/Test</u> <ul style="list-style-type: none"> • Quiz • Individual Tasks • Exam (MINI-CEX)
Media employed	
Reading list	<ol style="list-style-type: none"> 1. Teaching Books on Internal Medicine 2. Textbook Harrison's Principles of Internal Medicine 3. Clinical Practice Manual of Internal Medicine

COURSE LEARNING OUTCOME ASSESSMENT OF LEARNING OUTCOMES FOR COURSE MODULES

Course module name : Independent Practice I (Hospital Network)

Code : 20C01542405

Semester : 7th

Person responsible for the module : Lecturer Team

Lecturer :

1. Prof. dr. Harsinen Sanusi, Sp.PD-KEMD
2. Prof. Dr. dr. Ali Aspar Mappaya, SpPD, K-KV, Sp.JP (K)
3. Prof.Dr. dr. Syakib Bakri, Sp.PD, KGH
4. Prof. Dr. dr. Haerani Rasyid, M.Kes, Sp.PD, KGH, Sp.GK
5. Dr. dr. Andi Fachruddin Benyamin, Sp.PD, KHOM
6. Dr. dr. Tutik Harjianti, Sp.PD, KHOM
7. Dr. dr. Khalid Saleh, SpPD, KKV

8. Dr. dr. Pendrik Tandean, Sp.PD, K-KV
9. Dr. dr. Idar Mappangara, Sp.PD, SpJP (K)
10. dr. Wasis Udaya, Sp.PD, K-Ger
11. Dr. dr. Sahyuddin, Sp.PD, KHOM
12. dr. Rahmawati Minhajat, Ph.D, Sp.PD, KHOM
13. Dr. Dr. Hasyim Kasim, Sp.PD, KGH
14. Dr. dr. Andi Makbul Aman, Sp.PD, KEMD
15. Dr. dr. Nur Ahmad Tabri, SpPD, K-P, Sp.P
16. Dr. dr. Tutik Harjianti, SpPD, K-HOM
17. Dr. dr. Husaini Umar, Sp.PD, KEMD
18. Dr. dr. Faridin HP, Sp.PD, KR
19. Dr. dr. Harun Iskandar, SpPD, K-P, Sp.P
20. Dr. dr. Femi Syahrani, Sp.PD, KR
21. Dr. dr. Himawan D. Sanusi, Sp.PD, KEMD
22. dr. Sudirman Katu, Sp.PD, KPTI
23. Dr. dr. Risna Halim, Sp.PD, KPTI
24. dr. Dimas Bayu, Sp.PD, KHOM
25. Dr. dr. Fardah Akil, Sp.PD, KHOM
26. Dr. dr. Fabiola MS Adam, SpPD, K-EMD
27. dr. Endy Adnan, SpPD, K-R, PhD
28. dr. Agus Sudarso, SpPD, K-Ger
29. dr. Zaenab Djafar, SpPD, SpJP
30. Dr. dr. A.M. Luthfi Parewangi, Sp.PD, KGEH
31. Dr. dr. Nu'man As Daud, Sp.PD, KGEH
32. dr. Rini Rachmawarni Bachtiar, MARS, Sp.PD, KGEH
33. dr. St. Rabiul Zatalia Ramadhan, SpPD, K-GH
34. dr. Satriawan Abadi, SpPD, K-IC
35. dr. Suriani Alimuddin, SpPD, K-AI
36. dr. Susanto H. Kusuma, SpPD, K-GEH

37. dr. Amelia Rifai, SpPD, K-GEH

38. Dr. Abd. Rahman Umar, SpPD, K-R

Intended Learning Outcomes	Course Module Objectives	List of Assessments	List of Rubrics
<p>Competence (C1): Students will be Able to perform, making plan, interpretation, summarize and treatment plan for all problems for the patients with the general internal medicine.</p>	<p>Students able to able to manage independently and or lead a team in solving internal health problems comprehensively.</p>	<p>Tutorials/Face-to-Face</p>	<p><u>General Assessment/Non-Test</u> <u>Special Assessment/Test</u> Quiz Individual Tasks Exam</p>
<p>Competence (C2): Students will be able to perform the history taking, physical examination, laboratory tests, procedures in accordance with the specialization of internal medicine to make a diagnosis, by referring to evidence-based medicine</p>		<p>Case Study Discussion</p>	<p>Case worksheet Liveliness Group cooperation Ability to convey ideas Discussion manners (politeness, forum ethics, effective communication) MINI CEX</p>

<p>Competence (C3):</p> <p>Students will be able to reach the level of competences which has been declared by Indonesian Medical Council (KKI) as General Internal Medicine Specialist. Through the training of how to perform diagnosis and clinical management in each divisions in internal medicine; Endocrine and Metabolic, Nephrology Hypertension, Pulmonology, Infection and Tropical Disease, Rheumatology, Hematology and Medical Oncology, Cardiology, Gastroenterohepatology, Geriatric and Geriantology, Allergic Immunology and Psychosomatic.</p>		<p>Tutorials/Face-to-Face</p>	<p><u>General Assessment/Non-Test</u></p> <p><u>Special Assessment/Test</u></p> <p>Quiz</p> <p>Individual Tasks</p> <p>Exam</p>
<p>Competence (C4):</p> <p>Students will be able to manage independently and</p>		<p>Case Study</p> <p>Discussion</p>	<p>Case worksheet</p> <p>Liveliness</p> <p>Group cooperation</p>

<p>/or lead a team work in problem solving internal medicine diseases in Outpatient, Emergency Department, Inpatient and Intensive Care Unit through inter, multi, and transdisciplinary approaches to improve curative, reduce morbidity and mortality rates</p>			<p>Ability to convey ideas Discussion manners (politeness, forum ethics, effective communication) MINI-CEX</p>
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25. Inter-Department Medical Consultation

Module Name	Inter-Department Medical Consultation
Module level, if applicable	-
Code, if applicable	20C01542506
Subtitle, if applicable	-
Semester (s) in which the module is taught	7
Person responsible for the module	Lecturer Team
Lecturer	
Language	Indonesian Language (Bahasa Indonesia)
Relation to Curriculum	This division offeres in the seventh semester
Type of teaching, content hours	Teaching methods used in this division are : <ul style="list-style-type: none"> • Lecture: • Seminar (Literature Review, Case report) • Practicum (Inter-sectional consulting service)
Workload	For This course, students are required to meet a minimum time below for 12 weeks : <ul style="list-style-type: none"> • Lecture 1x100 minutes/week • Death Case / Literature review Reading 3x3 hours/week • Consultation service 6x6 hours / week
Credit points	6 credit points (equivalent with 9,51 ECTS)
Requirements according to the examination regulations	Past the first and second stage
Recommended prerequisites	No recommended prerequisites for this course
Module objectives/intended learning outcomes	After Completing this modul Skill:

	<p>Students will be able to manage, develop and maintain networks with colleagues and peers; inter-departmental, other departments, wider health institutions and professional communities.</p> <p>Competence:</p> <p>Students will be able to manage independently and /or lead a team work in problem solving internal medicine diseases in Outpatient, Emergency Department, Inpatient and Intensive Care Unit through inter, multi, and transdisciplinary approaches to improve curative, reduce morbidity and mortality rates.</p>	
Content	1	In accordance with the learning materials in the Tropical Infection Division
	2	In accordance with the learning materials in the Gastroentero-Hepatology Division
	3	In accordance with the learning materials in the Division of Cardiology
	4	In accordance with the learning materials in the Division of Pulmonology
	5	In accordance with the learning materials in the Division of Kidney-Hypertension
	6	In accordance with the learning materials in the Division of Rheumatology
	7	In accordance with the learning materials in the Allergy-Immunology Division
	8	In accordance with the learning materials in the Geriatric Division

	9	In accordance with the learning materials in the Division of Hematology Medical Oncology
	10	In accordance with the learning materials in the Division of Metabolic Endocrine and Diabetes
	11	In accordance with the learning materials in the Psychosomatic Division
Form of assessment	Tutorials/Face-to-Face	
	Case Study Discussion	
	Field Practice	
	Field Results Seminar	
	Final Exam	
Study and examination requirements and forms of examination	<u>General Assessment/Non-Test</u>	
	<u>Special Assessment/Test</u>	
	MCQ	
	Exam (MINI-CEX)	
	CBD	
	DOPS	
Oral Presentation		
Media employed		
Reading list	1. Textbooks of Internal Medicine.edition VI. Jakarta: Interna Publishing; 2014. 2. Kasper et Al. Harrison’s Manual of Medicine. 19 th edition.2016	

COURSE LEARNING OUTCOME ASSESSMENT OF LEARNING OUTCOMES FOR COURSE MODULES

Course module name : Inter-Departmental Medical Consultation
Code : 20C01542506
Semester : 7th
Person responsible for the module : Lecturer Team

Lecturer

: Lecturer Team

Intended Learning Outcomes	Course Module Objectives	List of Assessments	List of Rubrics
<p>Skill (S2):</p> <p>Students will be able to manage, develop and maintain networks with colleagues and peers; inter-departmental, other departments, wider health institutions and professional communities.</p>		<p>Field Practice</p>	<p><u>General Assessment</u></p> <p>Log Book in the field</p> <p><u>Special Assessment</u></p> <p>Presence in the field</p> <p>Work Results</p> <p>Cooperation</p> <p>Attitudes and Behaviors in the field</p> <p>Exam (DOPS)</p>
<p>Competence (C4):</p> <p>Students will be able to manage independently and /or lead a team work in problem solving internal medicine diseases in Outpatient, Emergency Department, Inpatient and Intensive Care Unit through inter, multi, and transdisciplinary approaches to improve curative, reduce morbidity and mortality rates</p>		<p>Case Study Discussion</p>	<p>Case worksheet</p> <p>Liveliness</p> <p>Group cooperation</p> <p>Ability to convey ideas</p> <p>Discussion manners (politeness, forum ethics, effective communication)</p> <p><u>Special Assessment/Test</u></p> <p>MCQ</p> <p>Mini Cex</p> <p>CbD</p>

26. Independent Practice II (Chief)

Module Name	Independent Practice II (Chief)
Module level, if applicable	-
Code, if applicable	20C01542608
Subtitle, if applicable	-
Semester (s) in which the module is taught	8
Person responsible for the module	Lecturer Team
Lecturer	<ol style="list-style-type: none"> 1. Prof. Dr. dr. Syakib Bakri, Sp.PD, KGH 2. Prof. dr. Harsinen Sanusi, Sp.PD, KEMD 3. Prof. Dr. dr. Haerani Rasyid, M.Kes, Sp.PD, KGH, Sp.GK 4. Dr. dr. Andi Fachruddin Benyamin, Sp.PD, KHOM 5. Dr. dr. Tutik Harjianti, Sp.PD, KHOM 6. Dr. dr. Sahyuddin, Sp.PD, KHOM 7. dr. Rahmawati Minhajat, Ph.D, Sp.PD, KHOM 8. Dr. Dr. Hasyim Kasim, Sp.PD, KGH 9. Dr. dr. Andi Makbul Aman, Sp.PD, KEMD 10. Dr. dr. Husaini Umar, Sp.PD, KEMD 11. Dr. dr. Faridin HP, Sp.PD, KR 12. Dr. dr. Femi Syahrani, Sp.PD, KR 13. Dr. dr. Himawan D. Sanusi, Sp.PD, KEMD 14. dr. Sudirman Katu, Sp.PD, KPTI 15. Dr. dr. Risna Halim, Sp.PD, KPTI 16. Dr. dr. Dimas Bayu, Sp.PD, KHOM 17. Dr. dr. Fardah Akil, Sp.PD, KHOM

	<p>18. Dr. dr. A.M. Luthfi Parewangi, Sp.PD, KGEH</p> <p>19. Dr. dr. Nu'man As Daud, Sp.PD, KGEH</p> <p>20. dr. Rini Rachmawarni Bachtiar, MARS, Sp.PD, KGEH</p> <p>21. dr. SatriawanAbadi, Sp.PD, KIC</p> <p>22. dr. AgusSudarso, Sp.PD, KGER</p> <p>23. dr. WasisUdaya, Sp,PD, KGER</p> <p>24. dr. SurianiAlimuddin, Sp.PD, KAI</p>
Language	Indonesian Language (Bahasa Indonesia)
Relation to Curriculum	This division offeres in the seventh semester
Type of teaching, content hours	<p>Teaching methods used in this division are :</p> <ul style="list-style-type: none"> • Lecture: • Seminar (Literature Review, Case report) • Practicum (inpatient visitation / on duty)
Workload	<p>For This course, students are required to meet a minimum time below for 12 weeks :</p> <ul style="list-style-type: none"> • Lecture 1x100 minutes/week • Death Case / Literature review Reading 3x3 hours/week • Inpatient visitation 5x8 hours/week • On Duty 1x12 hours /week
Credit points	8 credit points (equivalent with 12,68 ECTS)
Requirements according to the examination regulations	
Recommended prerequisites	Passed the third stage of education

<p>Module objectives/intended learning outcomes</p>	<p>After Completing this phase</p> <p>Competence:</p> <ul style="list-style-type: none"> • Students will be able to manage independently and /or lead a team work in problem solving internal medicine diseases in Outpatient, Emergency Department, Inpatient and Intensive Care Unit through inter, multi, and transdisciplinary approaches to improve curative, reduce morbidity and mortality rates. • Students will be able not only as internal medicine specialist but also as a researcher, educationalist, and as a role model for all communities where the students work. 	
<p>Content</p>	<p>1</p>	<p>In accordance with the learning materials in the Tropical Infection Division</p>
	<p>2</p>	<p>In accordance with the learning materials in the Gastroentero-Hepatology Division</p>
	<p>3</p>	<p>In accordance with the learning materials in the Division of Cardiology</p>
	<p>4</p>	<p>In accordance with the learning materials in the Division of Pulmonology</p>
	<p>5</p>	<p>In accordance with the learning materials in the Division of Kidney-Hypertension</p>
	<p>6</p>	<p>In accordance with the learning materials in the Division of Rhematology</p>
	<p>7</p>	<p>In accordance with the learning materials in the Allergy-Immunology Division</p>
	<p>8</p>	<p>In accordance with the learning materials in the Geriatric Division</p>

	9	In accordance with the learning materials in the Division of Hematology Medical Oncology
	10	In accordance with the learning materials in the Division of Metabolic Endocrine and Diabetes
	11	In accordance with the learning materials in the Psychosomatic Division
Form of assessment	Tutorials/Face-to-Face	
	Case Study Discussion	
	Field Practice	
	Field Results Seminar	
	Final Exam	
Study and examination requirements and forms of examination	<p>General Assessment/Non-Test</p> <p>Special Assessment/Test:</p> <ul style="list-style-type: none"> • Mini Cex • CbD • DOPS • Pre test – Post test 	
Media employed		
Reading list	<ol style="list-style-type: none"> 1. Text Book Harrison's Principles of Internal Medicine 2. Teaching Books on Internal Medicine FK-UI 3. Standard Book of Competency of Specialist Doctors 4. Systematic Handbook For Diagnosis of Physic Anamnesis Kit In& Comprehensive Physic Examination 5. Hazzardgeriatri medicine and gerontology. 6. Text book virology. Principles and application. 7. National Guidelines for HIV Management Medical Services 8. Indonesian Lung Doctors Association 2018 	

	<p>9. Kelley's textbook of rheumatology</p> <p>10. Primer on the rheumatic disease</p> <p>11. Dubois lupus erythematosus</p> <p>12. Basic immunology. Issue 10. FK-UI. 2012</p> <p>13. Basic Allergies. Issue 1. Interna Publishing,2009</p> <p>14. Immunology Allergy Module 2015</p> <p>15. Immunization guidelines in adults</p> <p>16. Diagnostic criteria in autoimmune disease. Editor Yehuda Shoenfield. 2008</p> <p>17. Guyton and Hall Textbook of Medical Physiology</p> <p>18. Lange Pathophysiology of Disease</p> <p>19. Gastrointestinal Disease. Pathophysiology/Diagnosis/Management. Sleisenger and Fordtran</p> <p>20. National Consensus on The Management of Gastroesophageal Reflux Disease in Indonesia</p> <p>21. Consensus on The Management of Acute Diarrhea in Adults in Indonesia</p> <p>22. Textbook Non-Alcoholic Steatohepatitis (NASH)Textbook Diagnosis and Therapy of Chronic Liver and Biliary Diseases</p> <p>23. Mann DL, Zipes DP, Libby P, Bonow RO. Braunwald's heart disease e-book: a textbook of cardiovascular medicine. Elsevier Health Sciences; 2014 Jul 30.</p> <p>24. Kasper D, Fauci A, Hauser S, Longo D, Jameson J, Loscalzo J. Harrison's principles of internal medicine. McGraw-Hill Professional Publishing; 2018.</p> <p>25. Setiati S, Alwi I, Sudoyo AW, Simadibrata M, Setiyohadi B, Syam AF. Textbooks on internal medicine. Jakarta: Interna Publishing. 2014:2464-72.</p>
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	<p>26. Lilly LS. Pathophysiology of heart disease: a collaborative project of medical students and faculty. Lippincott Williams & Wilkins; 2012 Aug 14.</p> <p>27. Walsh R, Fang J, Fuster V, O'Rourke RA. Hurst's the Heart Manual of Cardiology. McGraw-Hill Publishing; 2012 Sep 3.</p> <p>28. Griffin BP, Topol EJ, Nair D, Ashley K, editors. Manual of cardiovascular medicine. Lippincott Williams & Wilkins; 2008 Oct</p> <p>29. EIMED</p> <p>30. Tintinalli's Emergency Medicine</p>
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COURSE LEARNING OUTCOME ASSESSMENT OF LEARNING OUTCOMES FOR COURSE MODULES

Course module name : Independent Practice II (Chief)

Code : 20C01542608

Semester : 8th

Person responsible for the module : Lecturer Team

Lecturer :

1. Prof. Dr. dr. Syakib Bakri, Sp.PD, KGH
2. Prof. dr. Harsinen Sanusi, Sp.PD, KEMD
3. Prof. Dr. dr. Haerani Rasyid, M.Kes, Sp.PD, KGH, Sp.GK
4. Dr. dr. Andi Fachruddin Benyamin, Sp.PD, KHOM
5. Dr. dr. Tutik Harjianti, Sp.PD, KHOM
6. Dr. dr. Sahyuddin, Sp.PD, KHOM
7. dr. Rahmawati Minhajat, Ph.D, Sp.PD, KHOM
8. Dr. Dr. Hasyim Kasim, Sp.PD, KGH
9. Dr. dr. Andi Makbul Aman, Sp.PD, KEMD
10. Dr. dr. Husaini Umar, Sp.PD, KEMD
11. Dr. dr. Faridin HP, Sp.PD, KR
12. Dr. dr. Femi Syahrani, Sp.PD, KR

13. Dr. dr. Himawan D. Sanusi, Sp.PD, KEMD
14. dr. Sudirman Katu, Sp.PD, KPTI
15. Dr. dr. Risna Halim, Sp.PD, KPTI
16. Dr. dr. Dimas Bayu, Sp.PD, KHOM
17. Dr. dr. Fardah Akil, Sp.PD, KHOM
18. Dr. dr. A.M. Luthfi Parewangi, Sp.PD, KGEH
19. Dr. dr. Nu'man As Daud, Sp.PD, KGEH
20. dr. Rini Rachmawarni Bachtiar, MARS, Sp.PD, KGEH
21. dr. Satriawan Abadi, Sp.PD, KIC
22. dr. Agus Sudarso, Sp.PD, KGER
23. dr. Wasis Udaya, Sp,PD, KGER
24. dr. Suriani Alimuddin, Sp.PD, KAI

Intended Learning Outcomes	Course Module Objectives	List of Assessments	List of Rubrics
Competence (C4): Students will be able to manage independently and /or lead a team work in problem solving internal medicine diseases in Outpatient, Emergency Department, Inpatient and Intensive Care Unit through inter, multi, and transdisciplinary approaches to improve curative, reduce	Able to carry out the enforcement of diagnosis (anamnesis, physical examination, as well as supporting examination), self-management (indications, dosages, ways of administration and side effects of drugs), complications, education and consultation to other specialists.	<ul style="list-style-type: none"> • Tutorials/Face-to-Face • Case Study Discussion • Final Exam 	<u>General Assessment/Non-Test</u> Presence Liveliness Modesty Neatness Case worksheet Liveliness Group cooperation Ability to convey ideas

<p>morbidity and mortality rates</p>			<p>Discussion manners (politeness, forum ethics, effective communication)</p> <p><u>Special Assessment/Test</u> MCQ Exam (MINI-CEX, CbD)</p>
<p>Competence (C5): Students will be able not only as internal medicine specialist but also as a researcher, educationalist, and as a role model for all communities where the students work.</p>	<p>Able to manage independently and or lead the team in solving internal disease health problems in individuals, families, or communities comprehensively through inter, multi, and transdisciplinary approaches in the context of secondary/tertiary health services</p>	<ul style="list-style-type: none"> • Field Practice • Field Results Seminar 	<p><u>General Assessment</u> Log Book in the field Power point Presentation Capabilities Cooperation Liveliness Field results report</p> <p><u>Special Assessment</u> Presence in the field Work Results</p>

			Cooperation Attitudes and Behaviors in the field Exam (DOPS)
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27. Thesis

Module Name	Thesis
Module level, if applicable	-
Code, if applicable	20C01542706
Subtitle, if applicable	-
Semester (s) in which the module is taught	III-VIII
Person responsible for the module	Lecturer Team
Lecturer	<ol style="list-style-type: none"> 1. Prof.Dr. dr. Syakib Bakri, Sp.PD, KGH 2. Prof. Dr. dr. Haerani Rasyid, M.Kes, Sp.PD, KGH, Sp.GK 3. Dr. dr. Andi Makbul Aman, Sp.PD, KEMD 4. Dr. dr. Harun Iskandar, SpP(K), Sp.PD,K-P
Language	Indonesian Language (Bahasa Indonesia)
Relation to Curriculum	This division offeres in the third semester until eighth semester
Type of teaching, content hours	<ul style="list-style-type: none"> ● Discussion ● Self study ● Self-practice ● Seminar ● Thesis Exam

Workload	<p>For This course, students are required to meet a minimum time below which consist of:</p> <ul style="list-style-type: none"> ● Discussion 1x50 minutes/week ● Self study 2x50 minutes/week ● Self-practice 3x50 minutes/week ● Seminar (Research proposal) ● Seminar (Research result) ● Thesis Exam
Credit points	6 credit points (equivalent with 10,08 ECTS)

Requirements according to the examination regulations	-
Recommended prerequisites	<ul style="list-style-type: none"> • Passed 3 division in 2nd Stage • TOEFL Score 450
Module objectives/intended learning outcomes	<p>After Completing this division</p> <p>Skill</p> <p>1. Students are able to apply logical, critical, systematic, and creative thinking through scientific papers, conducting scientific research in the field of internal medicine and published in accredited journals.</p> <p>Competence</p> <p>1. Students are not only able to act as internal medicine specialists but also as researchers, educators, and role models for the entire community where students work.</p>
Content	
Form of assessment	Research Proposal Seminar
	Field Results Seminar
	Thesis Exam
Study and examination requirements and forms of examination	<ul style="list-style-type: none"> • Research Proposal Seminar • Field Results Seminar • Thesis Exam
Media employed	

Reading list	<ol style="list-style-type: none">1. Indonesian Doctor Competency Standards, KKI, 20122. UNESCO Standar of Bioethics in Medical Education, 20143. WHO Framework of Interprofessional Collaboration Practice, 2010
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Course Learning Outcome assessment of learning outcomes for course modules

Course module name : Thesis
 Code : 20C01542706
 Semester : 8th
 Person responsible for the module : Lecture Team

Lecturer :

1. Prof.Dr. dr. Syakib Bakri, Sp.PD, KGH
2. Prof. Dr. dr. Haerani Rasyid, M.Kes, Sp.PD, KGH, Sp.GK
3. Dr. dr. Andi Makbul Aman, Sp.PD, KEMD
4. Dr. dr. Harun Iskandar, SpP(K), Sp.PD, KP

Intended Learning Outcomes	Course Module Objectives	List of Assessments	List of Rubrics
Skill (S1) 1. Students are able to apply logical, critical, systematic, and creative thinking through scientific papers, conducting scientific research in the field of internal medicine and published in accredited journals.	Students are able to compile proposals, results and theses by applying logical, critical, systematic, and creative thinking in the field of internal medicine	Evaluation what is done is as follows: 1. Research Proposal Presentation 2. Presentation of Research Results	<ul style="list-style-type: none"> - Case worksheet - Liveliness - Group cooperation - Ability to convey ideas - Discussion manners (politeness, forum ethics, effective communication)

<p>Competence (C5)</p> <p>1. Students are not only able to act as internal medicine specialists but also as researchers, educators, and role models for the entire community where students work.</p>	<p>Able to guarantee research originality and published in an accredited journal</p>	<p>Thesis Exam</p>	<ul style="list-style-type: none"> - Power point - Presentation Capabilities - Cooperation - Liveliness - Field results report
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