



**UNIVERSITAS KRISTEN
MARANATHA**

**MODUL HANDBOOK
MEDICAL DOCTOR PROFESSIONAL EDUCATION
PROGRAM**

**FACULTY OF MEDICINE
MARANATHA CHRISTIAN UNIVERSITY
BANDUNG
2022**

Module Handbook

The **Module¹ Handbook** or **complete collection of module descriptions** serve as a **key tool** for the assessment of your study programmes. In addition, **their primary purpose** should be to serve as a **reliable source of information for students**. They should therefore be made available to students in the **course language** and **translated into English** for the assessors. A module description should contain the following information about the module:

Module designation	<i>Surgery</i>
Semester(s) in which the module is taught	<i>Semester 8-11</i>
Person responsible for the module	<i>dr. Selonan Susang Obeng, SpB(K)BD, FINASIM</i>
Language	<i>Bahasa Indonesia</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Mini lecture, bedside teaching, case based-discussion, clinical science session</i>
Workload (incl. contact hours, self-study hours)	<i>8 weeks Students' work load in this rotation consists of: 8 weeks x 10 hours scheduled teaching-learning activities in the form of BST/CBD/CSS/Mini lectures 8 weeks x 17-hour internship in a health facility 12 night shifts x 8 hours 8 weeks x 8 hours of self study TOTAL = 376 hours</i>
ECTS	<i>14</i>
Required and recommended prerequisites for joining the module	<i>Student has passed the bachelor program of medicine</i>

¹ "Modules" are units of instruction, composed of a sum of teaching and learning whose contents are concerted. In some countries, modules may be known as "courses".

Module objectives/intended learning outcomes	<p><i>Students implement good and ethical behavior in the performance of their duties</i></p> <p><i>Student can manage health problems holistically and comprehensively in surgery</i></p> <p><i>Students have clinical skills (capable of taking anamnesis, physical examination, clinical procedures, diagnosis, and patient management) in every case where they have to be competent and professional</i></p> <p><i>Students are capable of applying logical, critical, innovative, quality, and measurable thinking in carrying out specific work in their field of expertise and in accordance with relevant work competency standards especially in surgery</i></p>
Content	<p>During and after completing clinical rotation in The Department of Surgery, students have to show the ability to do clinical skills in history making, physical examination, propose and interpreting further investigation, and surgical procedural skills. Students also have to show the ability to make clinical reasoning in applying basic science and Surgery to make differential diagnosis, confirm the working diagnosis and propose patient management. All of this level of abilities and competencies should be shown professionally in the clinical setting with real patient encounters.</p>
Examination forms	<p><i>10% Behavior by observation</i></p> <p><i>20% Written Test (pretest & posttest, CSS)</i></p> <p><i>30% Mini CEX (Mini Clinical Evaluation Exercise) or DOPS (Direct Observation of Procedural Skills)</i></p> <p><i>40% Student Oral Case Analysis / Long Case</i></p>
Study and examination requirements	<p><i>Students must meet 100% attendance requirements with a maximum absence tolerance of 3 days</i></p>
Reading list	<p><i>Schwartz's Principles of Surgery. 11th edition</i></p>

Module designation	<i>Obstetric and Gynecology</i>
Semester(s) in which the module is taught	<i>Semester 8-11</i>
Person responsible for the module	<i>dr. Erik Dwikurnia Saiman, SpOG</i>
Language	<i>Bahasa Indonesia</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Mini lecture, bedside teaching, case based-discussion, clinical science session</i>
Workload (incl. contact hours, self-study hours)	<i>10 weeks</i> <i>Students' work load in this rotation consists of:</i> <i>10 weeks x 10 hours scheduled teaching-learning activities in the form of BST/CBD/CSS/Mini lectures</i> <i>10 weeks x 17-hour internship in a health facility</i> <i>12 night shifts x 8 hours</i> <i>10 weeks x 8 hours of self study</i> <i>TOTAL = 446 hours</i>
ECTS	<i>17</i>
Required and recommended prerequisites for joining the module	<i>Student has passed the bachelor program of medicine</i>
Module objectives/intended learning outcomes	<p>Students implement good and ethical behavior in the performance of their duties</p> <p>Student can manage health problems holistically and comprehensively in obstetric and gynecology</p> <p>Students have clinical skills (capable of taking anamnesis, physical examination, clinical procedures, diagnosis, and patient management) in every case where they have to be competent and professional</p> <p>Students are capable of applying logical, critical, innovative, quality, and measurable thinking in carrying out specific work in their field of expertise and in accordance with relevant work competency standards especially in obstetric and gynecology</p>
Content	<i>During and after completing clinical rotation in The Department of Obstetrics and Gynecology, students have to show the ability to do clinical skills in history making, physical examination, propose and interpreting further investigation.</i>

	<i>Students also have to show the ability to make clinical reasoning in applying basic science and Obstetrics and Gynecology to make differential diagnosis, confirm the working diagnosis and propose patient management. All of these levels of abilities and competencies should be shown professionally in the clinical setting with real patient encounters.</i>
Examination forms	<i>10% Behavior by observation</i> <i>20% Written Test (pretest & posttest, CSS)</i> <i>30% Mini CEX or DOPS</i> <i>40% Student Oral Case Analysis / Long Case</i>
Study and examination requirements	<i>Students must meet 100% attendance requirements with a maximum absence tolerance of 3 days</i>
Reading list	<i>Williams Obstetric. 25th edition</i> <i>Williams Gynecology. 4th edition</i>

Module designation	<i>Internal Medicine</i>
Semester(s) in which the module is taught	<i>Semester 8-11</i>
Person responsible for the module	<i>dr. Limdawati Kwee, SpPD</i>
Language	<i>Bahasa Indonesia</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Mini lecture, bedside teaching, case based-discussion, clinical science session</i>
Workload (incl. contact hours, self-study hours)	<p><i>12 weeks</i></p> <p><i>Students' work load in this rotation consists of:</i></p> <p><i>12 weeks x 10 hours scheduled teaching-learning activities in the form of BST/CBD/CSS/Mini lectures</i></p> <p><i>12 weeks x 17-hour internship in a health facility</i></p> <p><i>11 x night shift x 8 hours</i></p> <p><i>12 weeks x 8 hours self study</i></p> <p><i>TOTAL = 508 hours</i></p>
ECTS	<i>19</i>
Required and recommended prerequisites for joining the module	<i>Student has passed the bachelor program of medicine</i>
Module objectives/intended learning outcomes	<p><i>Students implement good and ethical behavior in the performance of their duties</i></p> <p><i>Student can manage health problems holistically and comprehensively in internal medicine.</i></p> <p><i>Students have clinical skills (capable of taking anamnesis, physical examination, clinical procedures, diagnosis, and patient management) in every case where they have to be competent and professional</i></p> <p><i>Students are capable of applying logical, critical, innovative, quality, and measurable thinking in carrying out specific work in their field of expertise and in accordance with relevant work competency standards especially in internal medicine.</i></p>

Content	<i>During and after completing clinical rotation in department of Internal Medicine, students have to show the ability to do clinical skills in history making, physical examination, propose and interpreting further investigation. Students also have to show the ability to make clinical reasoning in applying basic science and Internal Medicine to make differential diagnosis, confirm the working diagnosis and propose patient management. All of this level of abilities and competencies should be shown professionally in the clinical setting with real patients.</i>
Examination forms	<i>10% Behavior by observation 20% Written Test (pretest & posttest, CSS) 30% Mini CEX or DOPS 40% Student Oral Case Analysis / Long Case</i>
Study and examination requirements	<i>Students must meet 100% attendance requirements with a maximum absence tolerance of 3 days</i>
Reading list	<i>Harrison's Principles of Internal Medicine .20 th edition</i>

Module designation	<i>Pediatric</i>
Semester(s) in which the module is taught	<i>Semester 8-11</i>
Person responsible for the module	<i>dr. Stephanie Supriadi, SpA</i>
Language	<i>Bahasa Indonesia</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Mini lecture, bedside teaching, case based-discussion, clinical science session</i>
Workload (incl. contact hours, self-study hours)	<p><i>10 weeks</i></p> <p><i>Students' work load in this rotation consists of:</i></p> <p><i>10 weeks x 10 hours scheduled teaching-learning activities in the form of BST/CBD/CSS/Mini lectures</i></p> <p><i>10 weeks x 17 hour internship in a health facility</i></p> <p><i>12 night shift x 8 hours</i></p> <p><i>10 weeks x 8 hours self study</i></p> <p><i>TOTAL = 446 hours</i></p>
ECTS	<i>17</i>
Required and recommended prerequisites for joining the module	<i>Student has passed the bachelor program of medicine</i>
Module objectives/intended learning outcomes	<p><i>Students implement good and ethical behavior in the performance of their duties</i></p> <p><i>Student can manage health problems holistically and comprehensively in pediatric.</i></p> <p><i>Students have clinical skills (capable of taking anamnesis, physical examination, clinical procedures, diagnosis, and patient management) in every case where they have to be competent and professional</i></p> <p><i>Students are capable of applying logical, critical, innovative, quality, and measurable thinking in carrying out specific work in their field of expertise and in accordance with relevant work competency standards especially in pediatric.</i></p>

Content	<i>During and after completing clinical rotation in The Department of Pediatric, students have to show the ability to do clinical skills in history making, physical examination, propose and interpreting further investigation. Students also have to show the ability to make clinical reasoning in applying basic science and Pediatric to make differential diagnosis, confirm the working diagnosis and propose patient management. All of these levels of abilities and competencies should be shown professionally in the clinical setting with real patient encounters.</i>
Examination forms	<i>10% Behavior by observation</i> <i>20% Written Test (pretest & posttest, CSS)</i> <i>30% Mini CEX or DOPS</i> <i>40% Student Oral Case Analysis / Long Case</i>
Study and examination requirements	<i>Students must meet 100% attendance requirements with a maximum absence tolerance of 3 days</i>
Reading list	<i>Nelson Textbook of Pediatrics. 21st edition</i>

Module designation	<i>Neurology</i>
Semester(s) in which the module is taught	<i>Semester 8-11</i>
Person responsible for the module	<i>dr. Sylvia Tanumihardja, SpS</i>
Language	<i>Bahasa Indonesia</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Mini lecture, bedside teaching, case based-discussion, clinical science session</i>
Workload (incl. contact hours, self-study hours)	<i>6 week</i> <i>Students' work load in this rotation consists of:</i> <i>6 weeks x 10 hours scheduled teaching-learning activities in the form of BST/CBD/CSS/Mini lectures</i> <i>6 weeks x 16 hour internship in a health facility</i> <i>6 weeks x 6 hours of self study</i> <i>TOTAL = 192 hours</i>
ECTS	<i>7</i>
Required and recommended prerequisites for joining the module	<i>Student has passed the bachelor program of medicine</i>
Module objectives/intended learning outcomes	<i>Students implement good and ethical behavior in the performance of their duties</i> <i>Student can manage health problems holistically and comprehensively in neurology</i> <i>Students have clinical skills (capable of taking anamnesis, physical examination, clinical procedures, diagnosis, and patient management) in every case where they have to be competent and professional</i> <i>Students are capable of applying logical, critical, innovative, quality, and measurable thinking in carrying out specific work in their field of expertise and in accordance with relevant work competency standards especially in neurology</i>

Content	<i>During and after completing clinical rotation in The Department of Neurology, students have to show the ability to do clinical skills in history making, physical examination, propose and interpreting further investigation. Students also have to show the ability to make clinical reasoning in applying basic science and Neurology to make differential diagnosis, confirm the working diagnosis and propose patient management. All of this level of abilities and competencies should be shown professionally in the clinical setting with real patient encounters.</i>
Examination forms	<i>10% Behavior by observation</i> <i>20% Written Test (pretest & posttest, CSS)</i> <i>30% Mini CEX or DOPS</i> <i>40% Student Oral Case Analysis / Long Case</i>
Study and examination requirements	<i>Students must meet 100% attendance requirements with a maximum absence tolerance of 3 days</i>
Reading list	<i>Aminoff's Neurology and General Medicine. 6th edition</i> <i>Adams and Victor's Principles of Neurology. 10th edition</i> <i>DeJong's The Neurologic Examination. 8th edition</i>

Module designation	<i>Ear, Nose and Throat</i>
Semester(s) in which the module is taught	<i>Semester 8-11</i>
Person responsible for the module	<i>dr. Hiro Salomo Mangape, SpTHT-KL</i>
Language	<i>Bahasa Indonesia</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Mini lecture, bedside teaching, case based-discussion, clinical science session</i>
Workload (incl. contact hours, self-study hours)	<p><i>5 weeks</i></p> <p><i>Students' work load in this rotation consists of:</i></p> <p><i>5 weeks x 10 hours scheduled teaching-learning activities in the form of BST/CBD/CSS/Mini lectures</i></p> <p><i>5 weeks x 16-hour internship in a health facility</i></p> <p><i>5 weeks x 6 hours of self study</i></p> <p><i>TOTAL = 160 hours</i></p>
ECTS	<i>6</i>
Required and recommended prerequisites for joining the module	<i>Student has passed the bachelor program of medicine</i>
Module objectives/intended learning outcomes	<p><i>Students implement good and ethical behavior in the performance of their duties</i></p> <p><i>Student can manage health problems holistically and comprehensively in ear, nose and throat</i></p> <p><i>Students have clinical skills (capable of taking anamnesis, physical examination, clinical procedures, diagnosis, and patient management) in every case where they have to be competent and professional</i></p> <p><i>Students are capable of applying logical, critical, innovative, quality, and measurable thinking in carrying out specific work in their field of expertise and in accordance with relevant work competency standards especially in ear, nose and throat</i></p>

Content	During and after completing clinical rotation in The Department of Ear, Nose, and Throat (ENT), students have to show the ability to do clinical skills in history making, physical examination, propose and interpreting further investigation. Students also have to show the ability to make clinical reasoning in applying basic science and Ear, Nose, and Throat (ENT) to make differential diagnosis, confirm the working diagnosis and propose patient management. All of these levels of abilities and competencies should be shown professionally in the clinical setting with real patient encounters.
Examination forms	<i>10% Behavior by observation</i> <i>20% Written Test (pretest & posttest, CSS)</i> <i>30% Mini CEX or DOPS</i> <i>40% Student Oral Case Analysis / Long Case</i>
Study and examination requirements	<i>Students must meet 100% attendance requirements with a maximum absence tolerance of 3 days</i>
Reading list	<i>Cummings Otolaryngology Head and Neck Surgery. 7th edition</i> <i>Textbook of Ear, Nose, and Throat Diseases. 12th edition</i>

Module designation	<i>Ophthalmology</i>
Semester(s) in which the module is taught	<i>Semester 8-11</i>
Person responsible for the module	<i>dr. Elisa Yopitasari, SpM</i>
Language	<i>Bahasa Indonesia</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Mini lecture, bedside teaching, case based-discussion, clinical science session</i>
Workload (incl. contact hours, self-study hours)	<p><i>5 weeks</i></p> <p><i>Students' work load in this rotation consists of:</i></p> <p><i>5 weeks x 10 hours scheduled teaching-learning activities in the form of BST/CBD/CSS/Mini lectures</i></p> <p><i>5 weeks x 16-hour internship in a health facility</i></p> <p><i>5 weeks x 6 hours of self study</i></p> <p><i>TOTAL = 160 hours</i></p>
ECTS	<i>6</i>
Required and recommended prerequisites for joining the module	<i>Student has passed the bachelor program of medicine</i>
Module objectives/intended learning outcomes	<p><i>Students implement good and ethical behavior in the performance of their duties</i></p> <p><i>Student can manage health problems holistically and comprehensively in ophthalmology</i></p> <p><i>Students have clinical skills (capable of taking anamnesis, physical examination, clinical procedures, diagnosis, and patient management) in every case where they have to be competent and professional</i></p> <p><i>Students are capable of applying logical, critical, innovative, quality, and measurable thinking in carrying out specific work in their field of expertise and in accordance with relevant work competency standards especially in ophthalmology</i></p>

Content	<i>During and after completing clinical rotation in The Department of Ophthalmology, students have to show the ability to do clinical skills in history making, physical examination, propose and interpreting further investigation. Students also have to show the ability to make clinical reasoning in applying basic science and Ophthalmology to make differential diagnosis, confirm the working diagnosis and propose patient management. All of these levels of abilities and competencies should be shown professionally in the clinical setting with real patient encounters.</i>
Examination forms	<i>10% Behavior by observation 20% Written Test (pretest & posttest, CSS) 30% Mini CEX or DOPS 40% Student Oral Case Analysis / Long Case</i>
Study and examination requirements	<i>Students must meet 100% attendance requirements with a maximum absence tolerance of 3 days</i>
Reading list	<i>Kanski's Clinical Ophthalmology. 8th edition</i>

Module designation	<i>Anaesthesiology</i>
Semester(s) in which the module is taught	<i>Semester 8-11</i>
Person responsible for the module	<i>dr. Joseph Rusli, SpAn</i>
Language	<i>Bahasa Indonesia</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Mini lecture, bedside teaching, case based-discussion, clinical science session</i>
Workload (incl. contact hours, self-study hours)	<p><i>4 weeks</i></p> <p><i>Students' work load in this rotation consists of:</i></p> <p><i>4 weeks x 10 hours scheduled teaching-learning activities in the form of BST/CBD/CSS/Mini lectures</i></p> <p><i>4 weeks x 16-hour internship in a health facility</i></p> <p><i>4 weeks x 6 hours of self study</i></p> <p><i>TOTAL = 128 hours</i></p>
ECTS	<i>5</i>
Required and recommended prerequisites for joining the module	<i>Student has passed the bachelor program of medicine</i>
Module objectives/intended learning outcomes	<p><i>Students implement good and ethical behavior in the performance of their duties</i></p> <p><i>Student can manage health problems holistically and comprehensively in anaesthesiology</i></p> <p><i>Students have clinical skills (capable of taking anamnesis, physical examination, clinical procedures, diagnosis, and patient management) in every case where they have to be competent and professional</i></p> <p><i>Students are capable of applying logical, critical, innovative, quality, and measurable thinking in carrying out specific work in their field of expertise and in accordance with relevant work competency standards especially in anaesthesiology</i></p>

Content	<i>During and after completing clinical rotation in The Department of Anesthesiology, students have to show the ability to do clinical skills in history making, physical examination, propose and interpreting further investigation. Students also have to show the ability to make clinical reasoning in applying basic science and Anesthesiology to make differential diagnosis, confirm the working diagnosis and propose patient management. All of this level of abilities and competencies should be shown professionally in the clinical setting with real patient encounters.</i>
Examination forms	<i>10% Behavior by observation 20% Written Test (pretest & posttest, CSS) 30% Mini CEX or DOPS 40% Student Oral Case Analysis / Long Case</i>
Study and examination requirements	<i>Students must meet 100% attendance requirements with a maximum absence tolerance of 3 days</i>
Reading list	<i>Morgan & Mikhail's Clinical Anesthesiology. 5th edition</i>

Module designation	<i>Psychiatry</i>
Semester(s) in which the module is taught	<i>Semester 8-11</i>
Person responsible for the module	<i>dr. Harry Tribowo Hadi, SpKJ</i>
Language	<i>Bahasa Indonesia</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Mini lecture, bedside teaching, case based-discussion, clinical science session</i>
Workload (incl. contact hours, self-study hours)	<p><i>4 weeks</i></p> <p><i>Students' work load in this rotation consists of:</i></p> <p><i>4 weeks x 10 hours scheduled teaching-learning activities in the form of BST/CBD/CSS/Mini lectures</i></p> <p><i>4 weeks x 16-hour internship in a health facility</i></p> <p><i>4 weeks x 6 hours of self study</i></p> <p><i>TOTAL = 128 hours</i></p>
ECTS	<i>5</i>
Required and recommended prerequisites for joining the module	<i>Student has passed the bachelor program of medicine</i>
Module objectives/intended learning outcomes	<p><i>Students implement good and ethical behavior in the performance of their duties</i></p> <p><i>Student can manage health problems holistically and comprehensively in psychiatry</i></p> <p><i>Students have clinical skills (capable of taking anamnesis, physical examination, clinical procedures, diagnosis, and patient management) in every case where they have to be competent and professional</i></p> <p><i>Students are capable of applying logical, critical, innovative, quality, and measurable thinking in carrying out specific work in their field of expertise and in accordance with relevant work competency standards especially in psychiatry</i></p>

Content	<i>During and after completing clinical rotation in The Department of Psychiatry, students have to show the ability to do clinical skills in history making, propose and interpreting further investigation. Students also have to show the ability to make clinical reasoning in applying basic science and Psychiatry to make differential diagnosis, confirm the working diagnosis and propose patient management. All of this level of abilities and competencies should be shown professionally in the clinical setting with real patient encounters.</i>
Examination forms	<i>10% Behavior by observation</i> <i>20% Written Test (pretest & posttest, CSS)</i> <i>30% Mini CEX or DOPS</i> <i>40% Student Oral Case Analysis / Long Case</i>
Study and examination requirements	<i>Students must meet 100% attendance requirements with a maximum absence tolerance of 3 days</i>
Reading list	<i>Kaplan and Sadock's Synopsis of Psychiatry. 11th edition</i>

Module designation	<i>Radiology</i>
Semester(s) in which the module is taught	<i>Semester 8-11</i>
Person responsible for the module	<i>dr. Justin Ginting, SpRad</i>
Language	<i>Bahasa Indonesia</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Mini lecture, bedside teaching, case based-discussion, clinical science session</i>
Workload (incl. contact hours, self-study hours)	<p><i>4 weeks</i></p> <p><i>Students' work load in this rotation consists of:</i></p> <p><i>4 weeks x 10 hours scheduled teaching-learning activities in the form of BST/CBD/CSS/Mini lectures</i></p> <p><i>4 weeks x 16-hour internship in a health facility</i></p> <p><i>4 weeks x 6 hours of self study</i></p> <p><i>TOTAL = 128 hours</i></p>
ECTS	<i>5</i>
Required and recommended prerequisites for joining the module	<i>Student has passed the bachelor program of medicine</i>
Module objectives/intended learning outcomes	<p><i>Students implement good and ethical behavior in the performance of their duties</i></p> <p><i>Student can manage health problems holistically and comprehensively in radiology</i></p> <p><i>Students have clinical skills (capable of taking anamnesis, physical examination, clinical procedures, diagnosis, and patient management) in every case where they have to be competent and professional</i></p> <p><i>Students are capable of applying logical, critical, innovative, quality, and measurable thinking in carrying out specific work in their field of expertise and in accordance with relevant work competency standards especially in radiology</i></p>

Content	<i>During and after completing clinical rotation in The Department of Radiology, students have to show the ability to do clinical skills in history making, physical examination, propose and interpreting further investigation. Students also have to show the ability to make clinical reasoning in applying basic science and Radiology to make differential diagnosis, confirm the working diagnosis and propose patient management. All of these levels of abilities and competencies should be shown professionally in the clinical setting with real patient encounters.</i>
Examination forms	<i>10% Behavior by observation</i> <i>20% Written Test (pretest & posttest, CSS)</i> <i>30% Mini CEX or DOPS</i> <i>40% Student Oral Case Analysis / Long Case</i>
Study and examination requirements	<i>Students must meet 100% attendance requirements with a maximum absence tolerance of 3 days</i>
Reading list	<i>Granger & Allison's Diagnostic Radiology. 6th edition</i>

Module designation	<i>Skin and Venereal Diseases</i>
Semester(s) in which the module is taught	<i>Semester 8-11</i>
Person responsible for the module	<i>dr. R. Dian Puspitasari, SpKK</i>
Language	<i>Bahasa Indonesia</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Mini lecture, bedside teaching, case based-discussion, clinical science session</i>
Workload (incl. contact hours, self-study hours)	<p><i>5 weeks</i></p> <p><i>Students' work load in this rotation consists of:</i></p> <p><i>5 weeks x 10 hours scheduled teaching-learning activities in the form of BST/CBD/CSS/Mini lectures</i></p> <p><i>5 weeks x 16-hour internship in a health facility</i></p> <p><i>5 weeks x 6 hours of self study</i></p> <p><i>TOTAL = 160 hours</i></p>
ECTS	<i>6</i>
Required and recommended prerequisites for joining the module	<i>Student has passed the bachelor program of medicine</i>
Module objectives/intended learning outcomes	<p><i>Students implement good and ethical behavior in the performance of their duties</i></p> <p><i>Student can manage health problems holistically and comprehensively in skin and venereal diseases</i></p> <p><i>Students have clinical skills (capable of taking anamnesis, physical examination, clinical procedures, diagnosis, and patient management) in every case where they have to be competent and professional</i></p> <p><i>Students are capable of applying logical, critical, innovative, quality, and measurable thinking in carrying out specific work in their field of expertise and in accordance with relevant work competency standards especially in skin and venereal diseases</i></p>

Content	<i>During and after completing clinical rotation in The Department of Dermato-venereology, students have to show the ability to do clinical skills in history making, physical examination, propose and interpreting further investigation. Students also have to show the ability to make clinical reasoning in applying basic science and Dermato-venereology to make differential diagnosis, confirm the working diagnosis and propose patient management. All of these levels of abilities and competencies should be shown professionally in the clinical setting with real patient encounters.</i>
Examination forms	<i>10% Behavior by observation 20% Written Test (pretest & posttest, CSS) 30% Mini CEX or DOPS 40% Student Oral Case Analysis / Long Case</i>
Study and examination requirements	<i>Students must meet 100% attendance requirements with a maximum absence tolerance of 3 days</i>
Reading list	<i>Fitzpatrick's Dermatology. 9th edition</i>

Module designation	<i>Forensic</i>
Semester(s) in which the module is taught	<i>Semester 8-11</i>
Person responsible for the module	<i>dr. Noorman Heriyadi, SpF, SH</i>
Language	<i>Bahasa Indonesia</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Mini lecture, bedside teaching, case based-discussion, clinical science session</i>
Workload (incl. contact hours, self-study hours)	<p><i>4 weeks</i></p> <p><i>Students' work load in this rotation consists of:</i></p> <p><i>4 weeks x 10 hours scheduled teaching-learning activities in the form of BST/CBD/CSS/Mini lectures</i></p> <p><i>4 weeks x 16-hour internship in a health facility</i></p> <p><i>4 weeks x 6 hours of self study</i></p> <p><i>TOTAL = 128 hours</i></p>
ECTS	<i>5</i>
Required and recommended prerequisites for joining the module	<i>Student has passed the bachelor program of medicine</i>
Module objectives/intended learning outcomes	<p><i>Students implement good and ethical behavior in the performance of their duties</i></p> <p><i>Student can manage health problems holistically and comprehensively in forensic</i></p> <p><i>Students have clinical skills (capable of taking anamnesis, physical examination, clinical procedures, diagnosis, and patient management) in every case where they have to be competent and professional</i></p> <p><i>Students are capable of applying logical, critical, innovative, quality, and measurable thinking in carrying out specific work in their field of expertise and in accordance with relevant work competency standards especially in forensic</i></p>

Content	<i>During and after completing clinical rotation in The Department of Forensic and Medicolegal, students have to show the ability to do clinical skills in history making, physical examination, propose and interpreting further investigation. Students also have to show the ability to make clinical reasoning in applying basic science and Forensic and Medicolegal to make differential diagnosis, confirm the working diagnosis and propose patient management. All of these levels of abilities and competencies should be shown professionally in the clinical setting with real patient encounters.</i>
Examination forms	<i>10% Behavior by observation</i> <i>20% Written Test (pretest & posttest, CSS)</i> <i>30% Mini CEX or DOPS</i> <i>40% Student Oral Case Analysis / Long Case</i>
Study and examination requirements	<i>Students must meet 100% attendance requirements with a maximum absence tolerance of 3 days</i>
Reading list	<i>Simpson's Forensic Medicine. 13th edition</i>

Module designation	<i>Public Health</i>
Semester(s) in which the module is taught	<i>Semester 8-11</i>
Person responsible for the module	<i>dr. July Ivone, MKK, MPdKed</i>
Language	<i>Bahasa Indonesia</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Mini lecture, bedside teaching, case based-discussion, clinical science session</i>
Workload (incl. contact hours, self-study hours)	<p><i>7 weeks</i></p> <p><i>Students' work load in this rotation consists of:</i></p> <p><i>7 weeks x 10 hours scheduled teaching-learning activities in the form of BST/CBD/CSS/Mini lectures</i></p> <p><i>7 weeks x 16 hour internship in a rural primary health care facility</i></p> <p><i>7 weeks x 6 hours of self study</i></p> <p><i>TOTAL = 224 hours</i></p>
ECTS	<i>8</i>
Required and recommended prerequisites for joining the module	<i>Student has passed the bachelor program of medicine</i>
Module objectives/intended learning outcomes	<p><i>Students implement good and ethical behavior in the performance of their duties</i></p> <p><i>Student can manage health problems holistically and comprehensively in public health</i></p> <p><i>Students have clinical skills (capable of taking anamnesis, physical examination, clinical procedures, diagnosis, and patient management) in every case where they have to be competent and professional</i></p> <p><i>Students are capable of applying logical, critical, innovative, quality, and measurable thinking in carrying out specific work in their field of expertise and in accordance with relevant work competency standards especially in public health</i></p>

Content	<i>During and after completing clinical rotation in Primary Public Health Center in the rural area, students have to show the ability to do clinical skills in history making, physical examination, propose and interpreting further investigation, communicate with patient and their community about the importance of prevention of the disease, treatment and rehabilitation. Students also have to show the ability to make clinical reasoning in applying basic and clinical science to make differential diagnosis, confirm the working diagnosis and propose patient management. Students also have to show the ability to do promotive and preventive aspects, and make epidemiological research to reveal the health need of local population and propose the management. All of these level of abilities and competencies should be shown professionally in the rural community.</i>
Examination forms	<i>10% Behavior by observation</i> <i>20% Written Test (pretest & posttest, CSS)</i> <i>30% Mini CEX or DOPS</i> <i>40% Student Oral Case Analysis / Long Case</i>
Study and examination requirements	<i>Students must meet 100% attendance requirements with a maximum absence tolerance of 3 days</i>
Reading list	<i>Oxford Textbook of Global Public Health. 6th edition</i>

Module designation	<i>Pulmonary Elective</i>
Semester(s) in which the module is taught	<i>Semester 8-11</i>
Person responsible for the module	<i>dr. Jahja Teguh Widjaja, SpP, FCCP</i>
Language	<i>Bahasa Indonesia</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Mini lecture, bedside teaching, case based-discussion, clinical science session</i>
Workload (incl. contact hours, self-study hours)	<p><i>2 weeks</i></p> <p><i>Students' work load in this rotation consists of:</i></p> <p><i>2 weeks x 10 hours scheduled teaching-learning activities in the form of BST/CBD/CSS/Mini lectures</i></p> <p><i>2 weeks x 16-hour internship in a health facility</i></p> <p><i>2 weeks x 6 hours of self study</i></p> <p><i>TOTAL = 64 hours</i></p>
ECTS	<i>2</i>
Required and recommended prerequisites for joining the module	<i>Student has passed the bachelor program of medicine</i>
Module objectives/intended learning outcomes	<p><i>Students implement good and ethical behavior in the performance of their duties</i></p> <p><i>Student can manage health problems holistically and comprehensively in pulmonary medicine.</i></p> <p><i>Students have clinical skills (capable of taking anamnesis, physical examination, clinical procedures, diagnosis, and patient management) in every case where they have to be competent and professional</i></p> <p><i>Students are capable of applying logical, critical, innovative, quality, and measurable thinking in carrying out specific work in their field of expertise and in accordance with relevant work competency standards especially in pulmonary medicine.</i></p>

Content	<i>During and after completing clinical rotation in Student Selective Component (Pulmonolgy), students have to show the ability to do clinical skills in history making, physical examination, propose and interpreting further investigation. Students also have to show the ability to make clinical reasoning in applying basic science and Student Selective Component (Pulmonolgy) to make differential diagnosis, confirm the working diagnosis and propose patient management. All of these levels of abilities and competencies should be shown professionally in the clinical setting with real patient encounters.</i>
Examination forms	<i>10% Behavior by observation</i> <i>20% Written Test (pretest & posttest, CSS)</i> <i>30% Mini CEX or DOPS</i> <i>40% Student Oral Case Analysis / Long Case</i>
Study and examination requirements	<i>Students must meet 100% attendance requirements with a maximum absence tolerance of 3 days</i>
Reading list	<i>Fishman's Pulmonary Diseases and Disorders. 5th edition</i>

Module designation	<i>Herbal Medicine and Clinical Nutrition Elective</i>
Semester(s) in which the module is taught	<i>Semester 8-11</i>
Person responsible for the module	<i>Dr. dr. Diana Krisanti Jasaputra, MKes</i>
Language	<i>Bahasa Indonesia</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Mini lecture, bedside teaching, case based-discussion, clinical science session</i>
Workload (incl. contact hours, self-study hours)	<i>2 weeks</i> <i>Students' work load in this rotation consists of:</i> <i>2 weeks x 10 hours scheduled teaching-learning activities in the form of BST/CBD/CSS/Mini lectures</i> <i>2 weeks x 16-hour internship in a health facility</i> <i>2 weeks x 6 hours of self study</i> <i>TOTAL = 64 hours</i>
EC TS	<i>2</i>
Required and recommended prerequisites for joining the module	<i>Student has passed the bachelor program of medicine</i>

Module objectives/intended learning outcomes	<p><i>Students implement good and ethical behavior in the performance of their duties</i></p> <p><i>Student can manage health problems holistically and comprehensively in herbal medicine and clinical nutrition elective</i></p> <p><i>Students have clinical skills (capable of taking anamnesis, physical examination, clinical procedures, diagnosis, and patient management) in every case where they have to be competent and professional</i></p> <p><i>Students are capable of applying logical, critical, innovative, quality, and measurable thinking in carrying out specific work in their field of expertise and in accordance with relevant work competency standards especially in herbal medicine and clinical nutrition elective</i></p>
Content	<p><i>During and after completing clinical rotation in Student Selective Component (Herbal Medicine and Nutrition Program), students have to show the ability to do clinical skills in history making, physical examination, propose and interpreting further investigation. Students also have to show the ability to make clinical reasoning in applying basic science and Student Selective Component (Herbal Medicine and Nutrition Program) to make differential diagnosis, confirm the working diagnosis and propose patient management. All of this level of abilities and competencies should be shown professionally in the clinical setting with real patient encounters.</i></p>
Examination forms	<p><i>10% Behavior by observation</i></p> <p><i>20% Written Test (pretest & posttest, CSS)</i></p> <p><i>30% Mini CEX or DOPS</i></p> <p><i>40% Student Oral Case Analysis / Long Case</i></p>
Study and examination requirements	<p><i>Students must meet 100% attendance requirements with a maximum absence tolerance of 3 days</i></p>
Reading list	<p><i>The Encyclopedia of Natural Medicine. 3rd edition</i></p> <p><i>Clinical Nutrition. 1st edition</i></p>

Module designation	<i>Externship Elective</i>
Semester(s) in which the module is taught	<i>Semester 8-11</i>
Person responsible for the module	<i>dr. Dedeh Supantini, SpS, MPdKed</i>
Language	<i>English</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Mini lecture, bedside teaching, case based-discussion, clinical science session, observership</i>
Workload (incl. contact hours, self-study hours)	<p><i>4 weeks</i></p> <p><i>Students' work load in this rotation consists of:</i></p> <p><i>2 weeks orientation</i></p> <p><i>2 weeks x 10 hours scheduled teaching-learning activities in the form of BST/CBD/CSS/Mini lectures</i></p> <p><i>2 weeks x 16-hour internship in a health facility</i></p> <p><i>2 weeks x 6 hours of self study</i></p> <p><i>TOTAL = 64 hours</i></p>
ECTS	<i>2</i>
Required and recommended prerequisites for joining the module	<i>Student has passed the bachelor program of medicine</i>
Module objectives/intended learning outcomes	<p><i>Students implement good and ethical behavior in the performance of their duties</i></p> <p><i>Student can manage health problems holistically and comprehensively in clinical sciences.</i></p> <p><i>Students have clinical skills (capable of taking anamnesis, physical examination, clinical procedures, diagnosis, and patient management) in every case where they have to be competent and professional</i></p> <p><i>Students are capable of applying logical, critical, innovative, quality, and measurable thinking in carrying out specific work in their field of expertise and in accordance with relevant work competency standards especially in clinical sciences</i></p>

Content	<i>During and after completing clinical rotation in Student Selective Component (Externship), students have to show the ability to do clinical skills in history making, physical examination, propose and interpreting further investigation. Students also have to show the ability to make clinical reasoning in applying basic science and Student Selective Component (Externship) to make differential diagnosis, confirm the working diagnosis and propose patient management. All of this level of abilities and competencies should be shown professionally in the clinical setting with real patient encounters abroad.</i>
Examination forms	<i>10% Behavior by observation</i> <i>20% Written Test (pretest & posttest, CSS)</i> <i>30% Mini CEX or DOPS</i> <i>40% Student Oral Case Analysis / Long Case</i>
Study and examination requirements	<i>Students must meet 100% attendance requirements with a maximum absence tolerance of 3 days</i>
Reading list	