

Opasraportti

Courses in English for exchange student, Medicine (2015 - 2016)

This Course Catalogue lists courses taught in English for exchange students at the Faculty of Medicine during the academic year 2015-2016.

When planning your exchange studies and the required learning agreement please use the information provided under the **Courses** tab in this catalogue. Please read carefully the information of each course you wish to take (language of instruction, target group, course content, TIMING (autumn or spring term), preceding studies, other information containing LOCATION OF INSTRUCTION).

All exchange students must submit their exchange application through SoleMOVE, learning agreement is attached to the on-line application.

Accepted exchange students are required to register to all courses. Course registration takes place once you have arrived in Oulu and received your University of Oulu login information. More information on registration will be provided during orientation. When registering you will be able to find detailed information on teaching and schedule under **Instruction** tab.

Individual course codes include information on the level of course.

xxxxxP, xxxxxY = basic, introductory level courses

xxxxxA = for 2-3 year students, Bachelor level courses

xxxxxS = for 4-5 year students, Master level courses

In order to participate courses You should have enough background.

If You are going to have internship period in medicine or dentistry please contact directly your coordinator. You will be given 1.5 ECTS credits for each full week (37.75 hr).

Any general questions about courses in English at the Faculty of Medicine should be addressed to:

virpi.parkkila@oulu.fi

Further information on application process for incoming exchange students:

<http://www.oulu.fi/english/studentexchange>

international.office(at)oulu.fi

Tutkintorakenteisiin kuulumattomat opintokokonaisuudet ja -jaksot

060701A: Anaesthesiology, 1,5 op

060709A-01: Cardiology, 3 op

060702A: Dermatology and venereology, 3 op

060709A-02: Endocrinology, 3 op

040105Y: Epidemiologian perusteet, 1,5 op

060709A: Internal Medicine, 1 - 18 op
060722A: Interprofessional Health and Wellbeing Promotion and Prevention, 5 op
060709A-03: Nephrology, 3 op
060706A: Neurosurgery, 3 op
060710A: Oncology, 3 op
060711S-02: Practical Training Internal Medicine, 1 - 24 op
060711S-01: Practical Training Surgery, 1 - 24 op
060707A: Radiology, 6 op
060703A: Respiratory Medicine, 3 op
060709A-04: Rheumatology, 1 op
060704A: Surgery, 1 - 24 op

Opintojaksojen kuvaukset

Tutkintorakenteisiin kuulumattomien opintokokonaisuuksien ja -jaksojen kuvaukset

060701A: Anaesthesiology, 1,5 op

Voimassaolo: 01.08.2013 -

Opiskelumuoto: Aineopinnot

Laji: Opintojakso

Vastuuyksikkö: Lääketieteen ala

Arvostelu: 1 - 5, hyv, hyl

Opettajat: Alahuhta, Seppo Matias

Opintokohteen kielet: englanti

Ei opintojaksokuvauksia.

060709A-01: Cardiology, 3 op

Voimassaolo: 01.08.2013 -

Opiskelumuoto: Aineopinnot

Laji: Oj-osa

Vastuuyksikkö: Lääketieteen ala

Arvostelu: 1 - 5, hyv, hyl

Opintokohteen kielet: englanti

Ei opintojaksokuvauksia.

060702A: Dermatology and venereology, 3 op

Voimassaolo: 01.08.2013 -

Opiskelumuoto: Aineopinnot

Laji: Opintojakso

Vastuuyksikkö: Lääketieteen ala

Arvostelu: 1 - 5, hyv, hyl

Opettajat: Kaisa Tasanen-Määttä

Opintokohteen kielet: englanti

Ei opintojaksokuvauksia.

060709A-02: Endocrinology, 3 op

Voimassaolo: 01.08.2013 -

Opiskelumuoto: Aineopinnot

Laji: Oj-osa

Vastuuyksikkö: Lääketieteen ala

Arvostelu: 1 - 5, hyv, hyl

Opettajat: Olavi Ukkola

Opintokohteen kielet: englanti

Ei opintojaksokuvauksia.

040105Y: Epidemiologian perusteet, 1,5 op

Opiskelumuoto: Yleisopinnot

Laji: Opintojakso

Vastuuyksikkö: Lääketieteen ala

Arvostelu: 1 - 5, hyv, hyl

Opettajat: Jouni Jaakkola

Opintokohteen kielet: suomi

Laajuus:

1,5 op

Opetuskieli:

Opetuskielenä suomi/englanti

Ajoitus:

Toisen lukuvuoden kevät (C4)

Osaamistavoitteet:

Opintojakson jälkeen opiskelija ymmärtää epidemiologisen ajattelun lähtökohdat, osaa määritellä epidemiologian peruskäsitteet ja tunnistaa keskeiset epidemiologiset tutkimusasetelmat. Lisäksi opiskelija kykenee laskemaan sairauksien esiintymiseen liittyviä keskeisiä tunnuslukuja, arvioimaan altisteen ja sairauden välisen suhteen tunnuslukuja sekä ymmärtää sekoittumisen ja erityyppisten harhojen käsitteet ja kykenee soveltamaan oppimaansa tarpeen vaatiessa.

Sisältö:

Epidemiologian kurssi sisältää luennot seuraavista aiheista: 1) Johdanto epidemiologiaan; kausaalisuus, 2) Terveysvaikutuksen arviointi sekä sairauden esiintyvyyden, yhteyden ja terveysvaikutuksen mittaluvut, 3) Epidemiologisten tutkimusten tyypit: kohorttitutkimukset, 4) Epidemiologisten tutkimusten tyypit: tapaus-verrokkitutkimukset, 5) Harhat, 6) Satunnaisvirhe ja tilastolliset menetelmät, 7) Yksinkertaisen epidemiologisen aineiston analyysi, 8) Sekoittumisen hallinta stratifioidussa analyysissä, 9) Interaktio, 10) Regressiomallit epidemiologiassa.

Opintojaksoon kuuluu kaksi ryhmätyönä suoritettavaa harjoituskertaa: 1) Analysoitaviin artikkeleihin pohjautuva harjoitus epidemiologian käsitteistä ja menetelmistä ja 2) laskuharjoitus. Lisäksi opiskelijat arvioivat yksilöllisesti artikkelin (Artikkelin kriittinen arviointitehtävä).

Järjestämistapa:

Lähiopetus ja itsenäinen työskentely Optima -ympäristössä.

Toteutustavat:

Opintojakso koostuu luennoista (10 h), kahdesta ryhmätyökerrasta (2 x 3 h) ja yksilöharjoituksesta (Artikkelin kriittinen arviointi), jossa hyödynnetään Optima -ympäristöä.

Kohderyhmä:

Toisen lukuvuoden lääketieteen ja hammaslääketieteen opiskelijat.

Esitietovaatimukset:

Ei ole.

Yhteydet muihin opintoihin:

KytKentä biostatistiikan opintojaksoon.

Oppimateriaali:

Luentomateriaali ja oppikirja (Rothman KJ. Epidemiology: and introduction. 2nd edition. Oxford University Press, New York, 2012.)

Kurssikirjan saatavuuden voi tarkistaa [tästä linkistä](#).

Suoritustavat ja arviointikriteerit:

Kirjallinen kuulustelu. Edellytetään osallistumista ryhmiin. Yksilöharjoitustehtävä.

Lue lisää [opintosuoritusten arvostelusta](#) yliopiston verkkosivulta.

Arviointiasteikko:

Opintojaksolla käytetään numeerista arviointiasteikkoa 1-5/hylätty. Tentin läpäiseminen edellyttää vähintään 10/20 pistettä.

Vastuuhenkilö:

Professori Jouni J.K. Jaakkola.

Työelämäyhteistyö:

Ei.

Lisätiedot:

Ei ole.

060709A: Internal Medicine, 1 - 18 op

Voimassaolo: 01.08.2013 -

Opiskelumuoto: Aineopinnot

Laji: Opintojakso

Vastuuyksikkö: Lääketieteen ala

Arvostelu: 1 - 5, hyv, hyl

Opettajat: Savolainen, Markku

Opintokohteen kielet: englanti

Laajuus:

3.0 - 10.0 ECTS credits/ 80-267 hours of work (depending on chosen subjects)

- 060709A-01 Cardiology 3 ECTS/ 80 hours of work

- 060709A-02 Endocrinology 3 ECTS/ 80 hours of work

- 060709A-03 Nephrology 3 ECTS/ 80 hours of work

- 060709A-04 Rheumatology 1 ECTS/ 27 hours of work

The course units are held in the autumn semester. **Toteutustavat:**

Upon completion of the course the student is familiar with diseases of the internal medicine subspecialty in question (Cardiology, Endocrinology, Nephrology or Rheumatology) as well as diagnostics and treatment of these diseases. The student understands the connection between these subspecialties and other medical and internal medicine specialties. The student learns independent problem solving and critical thinking and is able to cooperate and coordinate treatment with various healthcare professionals.

The diseases with public health importance and selected rarer diseases of the subspecialty (Cardiology, Endocrinology, Nephrology or Rheumatology) are covered during the course, including diagnostic strategies, differential diagnoses, treatments available and management of these conditions.

Mostly face-to-face teaching. Cardiology / Endocrinology / Nephrology: **Kohderyhmä:**

Group work 8h

Self-study 70 hours

(exam 2 h)

Rheumatology:

Self-study 25 hours

(exam 2 h)

Opetuskieli:

English

Ajoitus:

Osaamistavoitteet:

Sisältö:

Järjestämistapa:

Esitietovaatimukset:

The required prerequisite is the completion of 2 years of preclinical studies (including the courses in Anatomy, Medical Biochemistry, Pharmacology and Toxicology, Microbiology, and Physiology).

Yhteydet muihin opintoihin:

For the medical students; no earlier than the third year of the studies after two years of preclinical studies are completed.

Clinical practice 1-2 weeks in internal medicine wards is recommended. **Oppimateriaali:**

RECOMMENDED READING:

The relevant chapters of Axford JS & O'Callaghan C. "Medicine", 2nd Edition, (2004) Wiley-Blackwell.

- Endocrinology: Chapter 11 "Diabetes Mellitus, Lipoprotein Disorders and Other Metabolic Diseases"; pages 761-817, and Chapter 12 "Endocrine Disease"; pages 818-866
- Nephrology: Chapter 8 "Renal Disease, Fluid and Electrolyte Disorders"; pages 502-595
- Rheumatology: Chapter 4 "Rheumatic Disease"; pages 187-271

In Cardiology, **recommended** reading material includes relevant ESC guidelines (on Acute coronary syndromes, Heart failure, Atrial fibrillation)

In Nephrology, additional **required** reading material includes relevant chapters of Johnson RJ & Feehally J "Comprehensive clinical nephrology"

- Chronic renal failure and the uremic syndrome
- Clinical evaluation and manifestations in chronic renal failure
- Diabetic nephropathy
- IgA-nephropathy
- ADPKD

In Rheumatology, additional **required** reading material based on EULAR Compendium is distributed to students. Required reading includes also the material given by the teacher during the teaching period.

Suoritustavat ja arviointikriteerit:

Cardiology / Endocrinology / Nephrology:

Taking part into the group teaching events. Written final examination.

Rheumatology:

Written examination.

The course unit utilizes a numerical grading scale 1-5. In the numerical scale zero stands for a fail.

Endocrinology: endocrinologist Olavi Ukkola

Cardiology: cardiologist Juha Perkiömäki

Arviointiasteikko:

Vastuuhenkilö:

Nephrology: nephrologist Risto Ikäheimo

Rheumatology: rheumatologist Anna

060722A: Interprofessional Health and Wellbeing Promotion and Prevention, 5 op

Voimassaolo: 01.08.2014 -

Opiskelumuoto: Aineopinnot

Laji: Opintojakso

Vastuuyksikkö: Lääketieteen ala

Arvostelu: 1 - 5, hyv, hyl

Opettajat: Essi Varkki

Opintokohteen kielet: englanti

Laajuus:

5 ETCS credits

Opetuskieli:

English

Ajoitus:

September-October 2015 and February-March 2016. **Osaamistavoitteet:**

The student knows the main principles of public health policies by WHO and is able to compare how they are applied in Finland and her/his own country. The student knows the public health strengths and challenges in European countries. The student is able to describe what kind of health and social services there are available for families and individuals of different ages. The student uses interprofessional methods to promote health and wellbeing of university students in European countries.

Sisältö:

Public health policy. The state of public health and wellbeing in Finland and in other European countries. Health and social care service systems in different countries. National public health strategies and programs in Finland. Ethical basis. Interprofessional health and wellbeing promotion methods. Erconomics.

Järjestämistapa:

Blended teaching. **Toteutustavat:**

Lectures, workshops, e-learning and learning café.

Students will produce a leaflet/ a poster/ or a movie of their chosen topic of health promotion.

Kohderyhmä:

Students in the Faculty of Medicine

Esitietovaatimukset:

None

Yhteydet muihin opintoihin:

None

Oppimateriaali:

Instructions for study material are given during the course. Students are also expected to actively search material themselves.

Suoritustavat ja arviointikriteerit:

Taking part into all teaching events is required to pass the course.

This course unit utilizes continuous assessment. The assessment of the course unit is based on the learning outcomes of the course unit and all activities are taken into consideration

Arviointiasteikko:

The course unit utilizes grading scale pass/ fail (numerical grading scale 1-5 if needed). Active participation is required in order to pass the course.

Vastuuhenkilö:

Clinical Instructor Essi Varkki

Työelämäyhteistyö:

No

Lisätiedot:

This course is organized together with Oulu University of Applied Sciences. The course is interprofessional, and it's offered to exchange students from various disciplines of health and social sector.

060709A-03: Nephrology, 3 op

Voimassaolo: 01.08.2013 -

Opiskelumuoto: Aineopinnot

Laji: Oj-osa

Vastuuyksikkö: Lääketieteen ala

Arvostelu: 1 - 5, hyv, hyl

Opettajat: Risto Ikäheimo

Opintokohteen kielet: englanti

Ei opintojaksokuvauksia.

060706A: Neurosurgery, 3 op

Voimassaolo: 01.08.2013 -

Opiskelumuoto: Aineopinnot

Laji: Opintojakso

Vastuuyksikkö: Lääketieteen ala

Arvostelu: 1 - 5, hyv, hyl

Opettajat: Sami Tetri

Opintokohteen kielet: englanti

Laajuus:

3.5 ECTS credits

Opetuskieli:

English

Ajoitus:

During the fourth year, C 8

Osaamistavoitteet:

The student knows the clinical presentation, diagnostics and treatment of neurosurgical diseases and trauma. The student can evaluate the urgency of treatment of neurosurgical conditions and understands their debilitating and often life-threatening nature. The roles of prevention and rehabilitation are also stressed.

Sisältö:

The management of neurosurgical trauma and diseases with special emphasis on the clinical competence required of a general practitioner

Järjestämistapa:

Blended teaching

Toteutustavat:

The neurosurgical course is based on full-time participation in all clinical activities of the department for a minimum of two weeks during February and/or March when the neurosurgical course is offered. Bedside learning

and the importance of the patient-doctor relationship as well as work in an environment that fosters multi-professional teamwork are stressed. For ETCS credits a textbook-based final examination must also be passed. It is usually taken during the last week of study.

Kohderyhmä:

For medical students in their final year of study.

Esitietovaatimukset:

The required prerequisite is the completion of the following courses prior to enrolling for the course unit:
A passing grade in clinical neurology is required before enrollment in the neurosurgical course.

Oppimateriaali:

K. W. Lindsay, I. Bone, G. Fuller. Neurology and Neurosurgery Illustrated, latest edition. Churchill Livingstone.

Suoritustavat ja arviointikriteerit:

Participation with the guidance of an assigned doctor in the clinical and academic activities of the neurosurgical department, including small group learning sessions, clinical ward rounds, meetings, and observation of surgical procedures. ECTS credit requires passing a written final examination

Arviointiasteikko:

The course unit utilizes a numerical grading scale 1-5. In the numerical scale zero stands for a fail.

Vastuuhenkilö:

Professor Sami Tetri

Työelämäyhteistyö:

No

Lisätiedot:

No other information.

060710A: Oncology, 3 op

Voimassaolo: 01.08.2013 -

Opiskelumuoto: Aineopinnot

Laji: Opintojakso

Vastuuyksikkö: Lääketieteen ala

Arvostelu: 1 - 5, hyv, hyl

Opettajat: Turpeenniemi-Hujanen, Taina Marjatta

Opintokohteen kielet: englanti

Laajuus:

3.5 ECTS credits

Opetuskieli:

2.5 ECTS without exam English

Ajoitus:

September-December

Osaamistavoitteet:

Upon completion of this curricular unit, student should be able to understand principles of cancer etiology, diagnosis, therapeutic modalities and their adverse events, and palliative care.

Sisältö:

The diagnostics, oncological therapeutic modalities and monitoring of adult solid malignancies and lymphomas.

Järjestämistapa:

Blended teaching.

Toteutustavat:

- Pre-examination (3 h, at home)
- Lectures / tutorials (10 h) concerning the entities of breast cancer, colorectal cancer, lymphomas, prostate cancer and lung cancer
- Group work:
 - Ward rounds (6 x 2 h)
 - Demonstration of the planning of a CT-based radiotherapy and radiotherapy treatment (3 h)
 - Group practice of clinical problem-solving: Evaluation of the case reports (2 h)
- Final examination (2h)

Kohderyhmä:

4-6th year medical students.

Esitietovaatimukset:

It is preferred that student has completed basic courses of pathology, clinical chemistry, radiology, internal medicine, and surgery prior to enrolling for the course unit.

Yhteydet muihin opintojaksoihin:

None **Oppimateriaali:**

Jim Cassidy, Donald Bissett, Roy Spence, and Miranda Payne: Oxford Handbook of Oncology (3 ed.), 2011
<http://www oulu.fi/library/> -> [Subject Guides](#) -> [E-books](#) -> [Oxford Medical Handbooks](#) -> [Oxford Handbook of Oncology \(3 ed.\)](#)

Suoritustavat ja arviointikriteerit:

Preliminary and final examinations must be passed. Preliminary examination and all other course units must be passed before participation in the final examination.

Evaluation is based on final examination (essays).

Arviointiasteikko:

The course unit utilizes a numerical grading scale 1-5. In the numerical scale zero stands for a fail. **Vastuuhenkilö:**

The grade is given only to the students who take the final examination.

Professor Taina Turpeenniemi-Hujanen **Työelämäyhteistyö:**

No

Lisätiedot:

The course will be organized only when there are at least six students.

060711S-02: Practical Training Internal Medicine, 1 - 24 op

Voimassaolo: 01.08.2013 -

Opiskelumuoto: Syventävät opinnot

Laji: Opintojakso

Vastuuyksikkö: Lääketieteen ala

Arvostelu: 1 - 5, hyv, hyl

Opettajat: Savolainen, Markku

Opintokohteen kielet: suomi

Voidaan suorittaa useasti: Kyllä

Ei opintojaksokuvauksia.

060711S-01: Practical Training Surgery, 1 - 24 op

Voimassaolo: 01.08.2013 -

Opiskelumuoto: Syventävät opinnot

Laji: Oj-osa

Vastuuyksikkö: Lääketieteen ala

Arvostelu: 1 - 5, hyv, hyl

Opettajat: Juvonen, Tatu Sakari

Opintokohteen kielet: suomi

Voidaan suorittaa useasti: Kyllä

Ei opintojaksokuvauksia.

060707A: Radiology, 6 op

Opiskelumuoto: Aineopinnot

Laji: Opintojakso

Vastuuyksikkö: Lääketieteen ala

Arvostelu: 1 - 5, hyv, hyl

Opettajat: Tervonen, Osmo Antti

Opintokohteen kielet: englanti

Laajuus:

6.0 ECTS credits

Opetuskieli:

English

Ajoitus:

During the third year, C5

Osaamistavoitteet:

Upon completion of the first curricular unit of radiology, student should be able to understand principles of radiological modalities, including nuclear medicine and pertinent image interpretation methods as well as obtain basic image interpretation skills of radiographs and indications for these examinations.

Upon completion of the second curricular unit of radiology, the student should be able to understand principles of image interpretation as well as obtain basic image interpretation skills of radiographs. The student should master the indications for selected investigations in radiology within general practices clinical context and understand correct ordering (percipio) and reporting routines in clinical situations.

Sisältö:

General introduction to radiology (techniques). Radiology of skeletal system, thorax and visceral and interventional radiology. Neuroradiology.

Järjestämistapa:

Lectures, tutored film reading sessions, hands on ultrasound lessons.

Toteutustavat:
Tutored film interpretations, demonstrations (Hands-on US practice, radiograph filming, ER-work observance), independent study.

Kohderyhmä:

Exchange students that have studied medicine at least three years.

Oppimateriaali:

Mettler, F.A. Essentials of Radiology.

Suoritustavat ja arviointikriteerit:

Hofer, M. (ed.) Ultrasound Teaching Manual.

Arviointiasteikko:
Written examinations (completed written exam is a prerequisite to obtain course credits)

Vastuuhenkilö:
The course unit utilizes a numerical grading scale 1-5. In the numerical scale zero stands for a fail.

Professor Roberto Blanco
Työelämäyhteistyö:

No

Lisätiedot:

Maximum of 6 students will be accepted to the course.

060703A: Respiratory Medicine, 3 op**Voimassaolo:** 01.08.2013 -**Opiskelumuoto:** Aineopinnot**Laji:** Opintojakso**Vastuuyksikkö:** Lääketieteen ala**Arvostelu:** 1 - 5, hyv, hyl**Opettajat:** Terttu Harju**Opintokohteen kielet:** englanti**Laajuus:**

3 ECTS credits

Opetuskieli:

English

Ajoitus:

October-December

Osaamistavoitteet:

Upon completion of the course the student is familiar with the major causes of pulmonary symptoms, pathogenesis, diagnosis, differential diagnosis and treatment of the most common respiratory diseases. Student has also gained an overview on more rare respiratory diseases. After the course the student is able to perform and interpret the most important diagnostic procedures in solving pulmonary problems.

Sisältö:

The aim of the course is to provide students with knowledge of the major causes of pulmonary symptoms (dyspnea, cough, hemoptysis, wheezing and sputum) and familiarize them with the pathogenesis, diagnosis, differential diagnosis and treatment of the most common respiratory diseases. These diseases include asthma, COPD, pneumonia, tuberculosis, thoracic malignancies, pleural effusion, and sleep-related breathing disorders. An emphasis will be on the conditions that can be diagnosed and treated in the primary care.

Students will also gain an overview on more rare respiratory diseases, such as interstitial lung diseases, pulmonary vasculitis, lung manifestations of rheumatic and other systemic diseases. After the course, students will be able to perform and interpret the most important diagnostic procedures in solving pulmonary problems: lung function tests (including peak expiratory flow and spirometry), measurement of oxygen saturation, analysis of

blood gases and sputum analysis. They will be familiar with other diagnostic procedures: bronchoscopy, lung biopsy, thoracentesis and sleep study. The students will know principles of acute respiratory failure and use of non-invasive ventilation.

Järjestämistapa:

Mostly face-to-face teaching. **Toteutustavat:**

Obligatory: 8 hours of small group teaching and lectures, 80 hours of independent work.

Kohderyhmä:

Voluntary: participation in the seminars (Tobacco and alcohol, Chestpain and dyspnea 2x6h) **Esitietovaatimukset:** 3rd-6th year medical students. **Yhteydet muihin opintojaksoihin:**

It is preferred that the student has completed basic courses of pathology, clinical chemistry and radiology prior to enrolling for the course unit.

NoneOppimateriaali:

Palange P, Simonds AK. ERS handbook. Respiratory Medicine. 2nd edition. **Suoritustavat ja arviointikriteerit:**

Evaluation is based on examination. All course units must be passed before participation in the examination.

Arviointiasteikko:

The course unit utilizes a numerical grading scale 1-5. In the numerical scale zero stands for a fail. **Vastuuhenkilö:**

The grade is given only to the students who take the examination.

Professor of Respiratory Medicine **Työelämäyhteistyö:**

NoLisätiedot:

The course will be organized only when there are at least four students.

060709A-04: Rheumatology, 1 op

Voimassaolo: 01.08.2013 -

Opiskelumuoto: Aineopinnot

Laji: Oj-osa

Vastuuyksikkö: Lääketieteen ala

Arvostelu: 1 - 5, hyv, hyl

Opettajat: Karjalainen, Anna Helena

Opintokohteen kielet: englanti

Ei opintojaksokuvauksia.

060704A: Surgery, 1 - 24 op

Voimassaolo: 01.08.2013 -

Opiskelumuoto: Aineopinnot

Laji: Opintojakso

Vastuuyksikkö: Lääketieteen ala

Arvostelu: 1 - 5, hyv, hyl

Opettajat: Juvonen, Tatu Sakari

Opintokohteen kielet: englanti

Laajuus:

0.1 – 9.0 ECTS credits

Opetuskieli:

English

Ajoitus:

During the autumn and spring semester

Osaamistavoitteet:

Orthopaedics and traumatology orientated mini-course of surgery, where students can train handicraft skills in clinical examination of patient with support- and mobility organ problems. Treatment of basic fractures of ankle and wrist will be revised and students will prepare casts and plasters. In urology session student will get familiar with some patient cases. In suturing techniques- session student will learn some special stitches after knowing the basics of suturing techniques.

Sisältö:

Suturing techniques, clinical examination of orthopaedic patient and clinical problem solving in urology.

Järjestämistapa:

Small group teaching sessions.

Toteutustavat:

Group sessions in autumn semester (1 ECTS):

- Suturing techniques 2h
- Clinical examination of hip and knee 2h
- Clinical examination of ankle and practise of preparation of the below knee cast 2h
- Urology, clinical problem solving 2h

Students can participate in 6 h seminar of mini-symposium which is organised by the Departments of Surgery and Internal Medicine. This includes a preparation of an oral presentation or a patient case (15-30min). Mini-symposium is equivalent for 1.2 ECTS credits.

Group sessions in spring semester (0.7 ECTS):

- Suturing techniques 2h
- Clinical examination of shoulder and the treatment of the distal radius fracture 2
- Urology, clinical problem solving 2h

Students can participate in 6 h seminar of traumatology which includes a preparation of an oral presentation or preparing other activity related to treatment of trauma patient to the 3rd year student groups (10-15min).

EXAMINATION: Minimum area is 1 ECTS (and one subject). Student can choose to do the examination only of those areas of surgery listed below:

Gastroenterology 2 ECTS

Thoracic and vascular surgery 1 ECTS

Urology 1 ECTS

Traumatology 2 ECTS

Orthopaedics 2 ECTS

Kohderyhmä:

Medical students

Esitietovaatimukset:

A passing grade in preclinical studies is required before enrollment in surgical studies.

Yhteydet muihin opintojaksoihin:

None

Oppimateriaali:

The book for surgery exam:

Essential surgery. Problems, diagnosis & management, 4th edition. Burkitt, H. George, Quick, Clive R.G. & Reed, Joanna B.

If you study all below you get in total 4 credits:

- pages 273-456 (gastroenterology) à 183 pages= **2 credits**
- pages 487-468 (thoracic surgery) à 19 pages

pages 567-623 (angiology, cardiovascular disorders) à 57 pages

pages 624-634 (cardiac surgery) à 10 pages

in total 86 pages= **1 credit**

- pages 469-484 (groin and male genitalia) à 15 pages

pages 469-565 (kidney, urinary tract) à 96 pages

in total 111 pages= **1 credit**

The book for the exam of orthopaedics and traumatology:

Essential Orthopaedics and Trauma, 5th edition By David J. Dandy, MD, MA.

Orthopaedics and Traumatology: 299 pages = **4 credits**

- Orthopaedics à 153 pages = **2 credits**

pages 11-31

pages 293-316

pages 335-345

pages 365-465

- Traumatology à 146 pages = **2 credits**

pages 93-239

Suoritustavat ja arviointikriteerit:

Evaluation is based on examination.

Arviointiasteikko:

The course unit utilizes a numerical grading scale 1-5.

The examination contains essay questions. The quantity of questions depends on the quantity of subspecialties chosen by a student. Each question is evaluated with scale 0-6. Points of each question will be added up and the sum will determine the grade (grading scale 1-5). Level of acceptance is half of the total points that is equivalent to grade 1

Vastuhenkilö:

Clinical teacher Maarit Valkealahti

Työelämäyhteistyö:

No