



Faculty of Health and Well-being

[Kupittaa campus, ICT-city](#)

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INTERNATIONAL SEMESTER DESCRIPTIONS, Autumn 2018

Important to bear in mind:

- These are preliminary course lists, meaning that some changes might occur
- You can choose additional courses from the list Courses suitable for all Exchange Students
- The minimum stay at TUAS is 3 months.
- 1 ECTS = 27 hours of student work
- Please note: We have very restricted opportunities to organize clinical practice for exchange students.

Nursing, autumn 2018

Course name	ECTS	code
<u>Development, Leadership, Management and Entrepreneurship in Health Care</u> 5 th semester course for PNURTS16, PSHTS16ABCDEF 'DELE'	5	7031294
<u>Development and Research Competence in Nursing</u> 5 th semester course for PNURTS16, PSHTS16ABCDEF 'KETU'	5	7091009
<u>Surgical Nursing</u> 3 rd semester course PNURTS17 'KIHO'	4	7031489
<u>Surgical medicine and pharmacology</u> /only to be taken as part of the above course KIHO! 3 rd semester course for PNURTS17 'KIFA'	1	7031489
<u>Preclinical Training in Surgical Nursing</u> /only to be taken as part of the above course KIHO! 3 rd semester course for PNURTS17 'KIHOP'	1	7031489
<u>Perioperative Nursing</u> 3 rd semester course for PNURTS17 'PEHO'	2	7031490
<u>Anaesthesiology and Pharmacology</u> / only to be taken as part of the above course KIHO! 3 rd semester course for PNURTS17 'ANFA'	1	7031490
<u>Preclinical Training in Perioperative Nursing</u> / only to be taken as part of the above course PEHO! 3 rd semester course for PNURTS17 'PEHOP'	1	7031512
<u>Anatomy and Physiology</u> 1 st semester!=basic course for PNURTS18 (Part of Foundations of the Human Organism and it's Functions – course / total 7 ECTS)	4	7031483
<u>Basics of Clinical Examination</u> 1 st semester!=basic course for PNURTS18 (Part of Foundations of the Human Organism and it's Functions – course / total 7 ECTS) 'ANFY'	3	7031483
<u>Basics of Human Immunity and Microbiology</u> 1 st semester!=basic course for PNURTS18 (Part of the Foundations of Human Immunity, Nutrition and Microbiology – course / total 4 ECTS)	2	7031484
<u>Basics of Nutrition</u> 1 st semester!=basic course for PNURTS18 (Part of the Foundations of Human Immunity, Nutrition and Microbiology – course / total 4 ECTS)	2	7031484
<u>Care Needs and Needs-Based Empowering Nursing</u> 1 st semester!=basic course for PNURTS18 (total 4 ECTS, only 2 ECTS offered in the international semester)	2	7031485
<u>Basics of Pharmacotherapy</u> 1 st semester!=basic course for PNURTS18 (total 5 ECTS, only 2 ECTS offered in the international semester)	2	7031486



<u>Preclinical Training in Patient Examination lab</u> 1 st semester!=basic course for PNURTS18	2	7031506
<u>Preclinical Training in Nursing Basics lab</u> 1 st semester!=basic course for PNURTS18	4	7031507
<u>Preclinical Training in Pharmacotherapy lab</u> 1 st semester!=basic course for PNURTS18	2	7031508
<u>Reception Duties, Outpatient Care, Empowering Nursing of Elderly Patients</u> <u>2 ECTS in English/Elderly care</u> 4 th semester course for PENHOK17, PSHTK17AB, PTHTK17AB (4 ECTS total)	2	7031493
<u>Child, Adolescent and Family Nursing</u> <u>2 ECTS in English</u> 4 th semester course for PENHOK17, PSHTK17AB, PTHTK17AB (5 ECTS total)	2	7031495
<u>Surgical Nursing</u> <u>2 ECTS in English</u> 3 rd semester course for PKÄTIS17, PSHTS17ABC (5 ECTS total)	2	7031489
<u>Mental Health Patient and Drug Abuse Patient Nursing</u> <u>2 ECTS in English</u> Mental health nursing 3 rd semester course for PKÄTIS17, PSHTS17ABC (4 ECTS total)	2	7031491
<u>Oncology Nursing and Palliative Care</u> <u>2 ECTS in English</u> 3 rd semester course for PKÄTIS17, PSHTS17ABC (3op total)	2	7031492
<u>Promotion of Sexual and Reproductive Health, Child and Family Nursing</u> <u>2 ECTS in English</u> 4 th semester course for PSHTK17ABC, PTHTK17AB (5 ECTS total)	2	7031494
<u>Internal Medicine Nursing</u> <u>2 ECTS in English</u> 2 nd semester course for PSHTK18ABC, PENHOK18 (6 ECTS total)	2	7031487
<u>Clinical placement upon request:</u> Please note that we have <u>very limited opportunities</u> to organise clinical placement, so we cannot guarantee clinical placement for all applicants. Priority is given to applicants from partner universities who are receiving TUAS students for spring 2018.	absolute maximum 9 = 6 weeks	n/a
Common courses for all exchange students		
<u>Finnish for Exchange Students</u>	3	1000474
<u>Get Finternational</u>	3	1000393
<u>Cultural Experiences</u>	3	1002321

**Biomedical Laboratory Science**

Kupittaa campus, Medisiina D

AUTUMN 2018			
THEORY COURSES	COURSE NO	ECTS	GROUP
Specimen Collection, POCT and Client Service, 8070148		2	1 st year/1 ^s - 2 nd semester
Anatomy and Physiology, self-study	7073127	3	1 st year/1 st semester
Project work, presentation; international student exchange		1	
Development, leadership, management and Entrepreneurship in Health Care	7031293 7031294	5	3 th year/5 th semester
Hematology 1	7001004B	2	2 nd year/3 rd semester
Clinical neurology, digital learning, self-study		2	
PRACTICE COURSES, PROFESSIONAL BASICS PRACTICE IN CLASSROOM Student can choose practice courses 1-1 ECTS points	7073035	1-16	Please note: 1 ECTS = 27 hours student work
• Clinical Biochemistry; automated analyzers		1-3	2 nd year/4 th semester
• Blood sampling and Point-of-Care-Testing		1-3	1 st year/1 st -2 nd semester
• Working in clinical laboratory 1, very basic studies		1	1 st year/1 st semester
• Clinical haematology 1		2	2 nd year/3 rd semester
• Molecular genetics		3	2 nd year/4 th semester
• Clinical physiology, ECG		1	1 st year/1 st semester
• Introduction to Biomedical Laboratory Scientist's profession in Hospital Laboratory		1	Exchange
COMMON COURSES FOR ALL EXCHANGE STUDENTS			
Finnish for Exchange students		3	Exchange
GetFinternational http://getfinternational.tuas.fi/		3	Exchange

Please note: 1 ECTS = 27 hours student work



CONTENTS OF THE THEORY COURSES

Specimen Collection, POCT and Client Service 2 ECTS

Students are aware of the impact of pre-analytical factors on the results of laboratory examinations when guiding clients for specimen collection, when collecting specimen and carrying out POC tests. Students know how to collect and handle different clinical specimen carefully and safely and know the proper measures for their storage and transport. Students are able to answer for the safety and well-being of the client during the specimen collection. Students are familiar with multi-cultural issues in the client work of social services and health care. They know how to act according to the guidelines, values and ethical principles of clinical laboratory work, and are able to make decisions which are ethically sound. Students know how to act in line with the principles of good service in client work and in collaboration with other professional groups. They are aware of the quality management procedures of the laboratory.

The student can collect clinical specimens and knows the appropriate equipment for specimen collection. The student knows the right procedure for specimen handling and storing. Students are familiar with high quality and safe methods of collecting and handling of different clinical specimens. Students know methods of point of care testing and know how to examine a urine sample. Students are familiar with the principles of client-centred service in serving internal and external customers in the laboratory.

Anatomy and Physiology 3 ECTS (available in the Autumn Semester, self-study course)

Students are familiar with the basics of human anatomy and physiology in such a way that they understand the normal functions of the human organism and the etiology of physiological disturbances and through that, the physiological basis of clinical laboratory examinations. Instructors gives the material.

Hematology 1, 2 ECTS (not available Autumn 2016)

Students know the phases of haematopoiesis and know the principles of haematological examinations. Students are familiar with the methods of diagnosing haematological diseases, and know how haemostatic system works. Students are familiar with the quality system in the haematology laboratory. Students know the principles of the laboratory examinations securing the safety of blood transfusion and are familiar with the conditions of safe blood donation.

Students know the tasks and production phases of the blood cells and know the regulation of blood cell production. Students know the phases of haemostasis and know the methods for examining the function of haemostasis. Students know the morphology of healthy, mature blood cells. Students know the methods for finding out about the production of blood cells. Students know the principles of the analysis methods in the haematology laboratory.

Immunohematology 2 ECTS

Students are familiar with the clinically significant blood type systems and know the principles of blood transfusion examinations. Students know the preconditions of safe blood donation.

Project work, Presentation; international student exchange 1 ECTS

Student gives a presentation about her/his country, school, home town etc.

Development, leadership, management and entrepreneurship in Health Care 5 ECTS

- knows the methods of development, leadership and management in health care and nursing



- is able to co-operate in different work settings and projects simultaneously understanding the importance of successful and effective service production
- is able describe the special features of entrepreneurship in social and health care
- is able to perceive social and health services from different points of view (service producer and the client)
- can apply internal entrepreneurship in the person's own activities

PROFESSIONAL BASICS PRACTICE IN CLASSROOM SETTINGS, PRACTICE COURSES

Clinical Biochemistry; automated analyzers 3 ECTS

Students rehearse using automated analysers in clinical biochemistry and know how to apply their skills in the assessment of biochemical examination results, the errors dependent on the specimen and the reliable function of the analysers. Students know how to work according to the quality manual and the instructions in place. Students can identify the phases of pre-analytics, analytics and post-analytics in clinical biochemistry work.

Clinical hematology 2 ECTS

Students rehearse the use of measuring devices in clinical hematology. They can independently prepare a technically high quality blood film and know mature, healthy blood cells. Students know how to work with microscopes independently. Spring term only: Students know immature blood cells and can assess the alterations which are seen in the blood count in connection with blood diseases. Students can identify findings in an aberrant blood film.

Clinical immunohematology 2 ECTS (only available on spring semester)

Students know how to use the equipment for blood transfusion serology examinations and can, under supervision, carry out basic examinations in blood transfusion serology. Students know how to independently get results for blood type determination analyses.

Blood Sampling and Point-of Care-Testing 1-3 ECTS

Student can independently carry out the specimen collection for different clinical specimens taking into account the requirements of pre-analytics and occupational safety. Student is able to answer for the safety and well-being of the client during the specimen collection. Student knows how to guide clients and take into account in their guidance the impact of pre-analytical factors on the results of the laboratory examinations. Student knows how to serve clients from other cultures. Student knows how to apply the principles of good service in customer work and in the collaboration with other professional groups.

Clinical microbiology, Project work labs; Microbes, Aseptics and Hand Hygiene 1 ECTS

Students describe the most common diseases causing microbes and know the methods to prevent the transmission.

Introduction to Biomedical Laboratory Scientist's profession in Finland 1 ECTS

Students get familiar with the Biomedical Laboratory Scientist's career in Finland by visiting 2-3 days in the local hospital laboratories.