

2019-2020



UEEF //
SMART
START

GENERAL TOXICOLOGY

Checklist for new students

Apply for
a residence permit
migri.fi



Participate in
the orientation
programme
kamu.uef.fi/orientation



Check course
information on
weboodi.uef.fi

Find online guides in
kamu.uef.fi

Register as
a student at UEF in
studyinfo.fi
or in person

Apply for housing
joensuunelli.fi
in Joensuu, and
kuopas.fi
in Kuopio



Other important websites

- ▶ Student Union (ISYY) isyy.fi
- ▶ Language Centre uef.fi/kielikeskus
- ▶ Library uef.fi/kirjasto
- ▶ Student and Learning Services uef.fi/opintopalvelut
- ▶ Campus restaurants uef.fi/services/restaurants
- ▶ Finnish Student Health Services (YTHS) yths.fi

Schedule of the first week

THURSDAY 29 AUGUST

TIME	PLACE	PROGRAM
9.00 – 12.00	CA 301	Introduction to GTG and Personal Study Plan

FRIDAY 30 AUGUST

TIME	PLACE	PROGRAM
12.15 – 14.00	CA 301	Introduction to GTG and Personal Study Plan

TUESDAY 3 SEPTEMBER

TIME	PLACE	PROGRAM
10.00 – 12.00 and 15.00 – 16.00	MD 100	Orientation for new Master's Degree students

WEDNESDAY 4 SEPTEMBER

TIME	PLACE	PROGRAM
9.00 – 12.00 and 15.00 – 16.00	MD 100	Orientation for new Master's Degree students
12.00 – 15.00		Information Market, group visits to Library, Snellmania

THURSDAY 5 SEPTEMBER

TIME	PLACE	PROGRAM
8.30 – 11.00	MD 100	Orientation for new Master's Degree students
11.00 – 15.00	CA 103 and MD 101	IT workshops
Afternoon	In front of Studentia building	Campus Happening by Student Union

FRIDAY 6 SEPTEMBER

TIME	PLACE	PROGRAM
9.00 – 12.00		Introduction to Pharmacology and Toxicology Laboratory

Campus map



Teaching facilities on Kuopio Campus, *departments' own facilities

Canthia	Medi- teknia	Medi- studia	Snellmania	Melania	Tietoteknia	Techno- polis, E	Techno- polis, F
Auditoriums	Auditorium	Auditoriums	Auditoriums	Seminar rooms	Auditorium	Lecture rooms	Seminar rooms
CA100	MD100	MS300	SN100	ME101	TTA	E14+15	*F211
CA101	Seminar room	MS301	SN200	*ME300	Seminar rooms	E16+17	*F213
CA102	MD300	MS302	SN201	Video conference rooms	1035	Seminar rooms	
Seminar rooms	IT-room	Lecture room	Seminar rooms	ME100	1036	E25	
CA300	MD101	Seminar rooms	SN202	ME201	1037	E26	
CA301	Video conference room	MS303	SN203	Learning corner	1038	IT-rooms	
CA303	MD200	MS304	SN204	*ME102	1039	*E24	
CA304	Laboratories	MS305	SN205	*ME103	*2414	*E27	
CA400	MD301	MS307	SN207	*ME104			
CA401	*MD302	MS400	SN300	*ME105			
CA500	*MD303	MS401	SN400	*ME106			
CA501		MS402	*SN401	Teaching laboratories			
IT-rooms		MS403	Video conference rooms	*SN101			
CA103		MS404	*SN101	SN102			
CA104		MS405	SN102	*SN303			
CA105		MS500	*SN303	IT-room			
Laboratories		Conference room	SN215	SN215			
*CA107		MS505	Laboratories	SN208			
CA200		Teaching pharmacy	SN209A	SN209A			
CA201		*MS308	SN209B	SN209B			
CA202		*MS309	SN209C	SN209C			
CA203		Taloustudia	SN214	SN214			
*CA302		*MS502	*SN402	*SN402			
*CA403		*MS503	*SN403	*SN403			
Video conference room		*MS504	Blomed	Blomed			
CA106			*SN210	*SN210			
Language lab			*SN211	*SN211			
*CA204			*SN212	*SN212			
Teaching kitchen			*SN213	*SN213			
*CA402			Conference rooms	Conference rooms			
			*SN216 *SN301	*SN216 *SN301			
			*SN302	*SN302			

How to get started with your studies?

The Introduction to GTG and Personal Study Plan gives important information and guidance for you to get you started with your studies. You get familiar with teaching staff as well as your fellow students. You also learn e.g. how to use WebOodi software, how to register yourself for the courses and examinations, how to build up your PSP (Personal Study Plan) and schedule your studies in best possible way. Practical aspects of Master's Thesis will also be covered.

Orientation for International Students starts on September 3rd. Even if this course is not compulsory to General Toxicology students we highly recommend it for you. The orientation is organized so that you to have a smooth start for your studies at UEF.

The orientation offers essential information on studying and university life at UEF, tips on different practical matters, information on Finland and on the Finnish culture and it also offers great possibilities of meeting the other students.

Guidance and help

Each student is asked to join to a General Toxicology study programme-specific Study Community. <https://studentuef.sharepoint.com/sites/GTG>

In study community you will find information on studies and a discussion forum. The General Toxicology Study community complement the general Kamu Student Handbook information with programme-specific instructions such as structure and format of written work.

Administrative coordinator:

Päivi Mensalo

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University Lecturer:

Marjo Huovinen

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Leader of the programme:

Jaana Rysä, Associate Professor

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Degree structure

STUDIES

The Master of Science (M.Sc.) in General Toxicology is a two-year full-time study program. Master's degree consists of 120 ECTS credits of studies. One ECTS credit corresponds to 25-30 hours of work.

The degree consists of:

Common Basic Studies 10 ects

Programme Specific Studies 80 ects

Master's Thesis 30 ects

Total 120 ECTS

Teaching in our program is based on the very latest scientific knowledge in human toxicology and the scientific consensus about what kind of knowledge is needed for human risk assessment in the drug and chemical fields. In addition, Finnish national and EU-level legislation and regulations in risk assessment are considered in the curriculum.

STUY MODULES IN THE MASTER'S DEGREE PROGRAMME IN GENERAL TOXICOLOGY

	1. COMMON BASIC STUDIES (Compulsory) 10,0 ects	ECTS:
8031003	University Study Skills	1.0
8031006	University Computing Skills	2.0
4218513	Introduction to Pharmacology and Toxicology Laboratory	4.0
4219105	Introduction to GTG and Personal Study Plan	1.0
4455053	Epidemiology I	2.0
	2. PROGRAMME SPECIFIC STUDIES 80.0 ects	
	2.1. Compulsory Studies	57.0
4219103	Academic Study Skills in Toxicology	5.0
4219211	Toxicity Testing	3.0
4219209	Organ Toxicology and Toxicopathology	10.0
4219216	Toxicology of Compounds	5.0
3710435	Exposure Assessment	3.0

4219501	Clinical Toxicology and Drug Safety	5.0
4219204	Genetic and Reproductive Toxicology	5.0
4510031	The use of animals in research: Course for persons carrying out procedures	2.0
4219509	Regulatory Toxicology	3.0
4219521	Common Seminars in GTG Programme	3.0
4219512	Toxicological and Environmental Risk Assessment and Risk Communication	3.0
4219561	Advanced Toxicological Risk Assessment	10.0
	2.2. Alternative Studies 23 ects	
	Courses to choose from:	
4215508	Clinical Pharmacokinetics	4.0
4219507	Occupational Toxicology (book examination)	3.0
4486404	Molecular Immunology	3.0
4218519	Neuropharmacology and neural drug targets	5.0
4215510	Pharmacogenomics	3.0
4215505	Drug Metabolism and Pharmacokinetics	4.0
4510032	The use of animals in research: Course for persons designing procedures and projects	4.0
4218511	Pharmacology of drugs of abuse	2.0
4217231	Lääkkeiden myyntilupamenettelyt (only in Finnish)	2.0
4217214	Radiofarmasia ja -kemia (only in Finnish)	3.0
4217207	Biologiset lääkevalmisteet (only in Finnish)	3.0
4450331	Biostatistiikkaa terveystieteilijöille (only in Finnish)	3.0
4217228	Laatu laboratorio- ja apteekkityössä (only in Finnish)	3.0
4217548	Lääkkeiden säilyvyys (only in Finnish)	3.5
4455700	Basics of Occupational Health	5.0
4488002	Cancer biology	4.0
3710462	Ecological Risk Assessment	5.0

3710446	Radioecology and -toxicology	5.0
3710455	Stable Isotopes in Environmental Research	5.0
3710436	Exposure measurements	4.0 - 6.0
4455047	Infectious Disease Epidemiology	3.0
1130007	Career planning - international students seeking a job or traineeship in Finland	2.0
	3. Master's Thesis 30 ects	
4219516	Maturity test	0.0
4213054	Master's Thesis	30.0
	TOTAL:	120.0



The timetable for 1st year's studies:

Registering for the courses is via WebOodi (<https://weboodi.uef.fi/>)

Course	Compulsory	ECTS	Schedule
Orientation for International Students	No	1	3 – 5.9.2019
Introduction to GTG and Personal Study Plan • no exam	Yes	1	29– 30.8.2019
Introduction to Pharmacology & Toxicology Laboratory final exam 9.10.2019	Yes	4	6 – 26.9.2019
University Study Skills	Yes	1	13.9 – 6.10.2019
University Computing Skills exam 11/2019	Yes	2	30.9 – 15.11.2019
Academic study skills in Toxicology • no exam	Yes	5	9/2019 – 5/2020
Common Seminars in GTG Programme	No	3	9/2019 –5/2020
Epidemiology 1 exam in October 2019	Yes	2	7 – 31.10.2019
Drug Metabolism and Pharmacokinetics * • final exam 4.11 and 8.11.2019	No	4	27.9 – 31.10.2019
Exposure Assessment • final exam 6.11.2019	Yes	3	16.9 – 6.11.2019
Environmental Health for International Students final exam December 2019	No	5	10-11/2019
Clinical pharmacokinetics *	No	2	4 – 15.11.2019

Molecular immunology • exam January 2019	No	4	11-12/2019
Clinical Toxicology and Drug Safety* • final exam 7.2.2019	Yes	5	8 – 31.1.2020
Genetic and Reproductive Toxicology • level test 27.1-2.2. final exam 13.3.2020	Yes	5	3.2 – 4.3.2020 (+ level test)
Lab animal course for persons carrying out procedures on animals final exam in May 2020	Yes, lectures	2	4/2020
Occupational toxicology book exam* • exam March/April/May 2020	No	3	7.1 – 24.5.2020
Toxicity Testing (TOTE) • exam 20.5.2020	Yes	3	20.4 – 15.5.2020

NB: In addition, you may choose other alternative studies according to Personal Study Plan

*can be studied either on 1st or 2nd year, **organized every other year

I can – I am a Master!

WHY GENERAL TOXICOLOGY?

Programme offers a strong background in classical toxicology as well as in innovative approaches and development of new test systems. The students will have comprehensive understanding of all different aspects of toxicology including mechanistic basis of toxic reactions and diseases to be able to carry out chemical risk assessment.

In programme students, after common basic studies in toxicology can specialize in general toxicology including toxicological risk assessment. Possibility to carry out part of the studies in other European countries is ensured by collaboration with other toxicology programmes.

” *Are you interested in pursuing master's degree in toxicology? And you are looking for a school? Here is one for you: Master's degree in General Toxicology in the University of Eastern Finland, Kuopio campus. As a former graduate/student, I highly recommend this program not only because it equips you with vast theoretical and practical knowledge in toxicology but also as it gives you an opportunity to study under the direct supervision of senior experts in the field whose impacts are visible in Europe and beyond.*

- Muluneh Fashe, Ph.D. Ethiopia

LEARNING OBJECTIVES

The objective of Master's degree in general toxicology is to give students good expertise to in human chemical risk assessment. After the studies students are able to explain the scientific risk assessment process, prepare toxicological risk assessment report, evaluate critically the value of toxicity testing data and scientific information for risk assessment, summarize toxicity data for conclusions and a coherent final report of a toxicological profile of a compound and give recommendations and communicate with decision makers and regulators of chemicals.

Welcome to UEF

Dear New Student,

I want to warmly welcome you to study in Master's degree programme in general toxicology. You have taken an important step forward by choosing to study a Master's degree at the School of Pharmacy in University of Eastern Finland. We are proud that you have chosen our programme.

We offer a distinct program that will provide you with the best academic learning environment to enable you to lay the foundation for your personal and career development. Our program offers you a wide array of courses for you to choose from and build a solid scientific foundation for your career in the field of toxicology.

One key prerequisite for your academic success is, of course, your own personal engagement. Our School's teachers and other staff will be happy to help you, if you have any questions, suggestions, or worries. And at last, please do not forget extracurricular events and activities that allow enduring friendships during your time with us.

I wish you all the very best for your studies.

With kind regards,

Jaana Rysä

Associate professor

Director of Master's degree in general toxicology

Dear becoming General Toxicology student,

Congratulations for being accepted to study Master's Degree Programme in General Toxicology at the University of Eastern Finland! To make sure that you will find your way well to Kuopio's campus and your studies will start smoothly, we (your master's degree tutors) will be here in Kuopio helping you with practical matters. So, if you have any questions about the studies, habitation or anything on your mind, please, do not hesitate to contact us!

We look forward to meeting you!

With best regards,

Your upcoming tutors,

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Maria Micklin
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Hey and welcome to study in Kuopio!

We are the association of pharmacy students in the University of Eastern Finland, also known as Fortis. The name Fortis comes from Latin and it stands for strong and concentrated.

Our main goal is to provide as many benefits to our members as we can. E.g. we arrange student events and publish schoolbooks, which can be purchased for a low cost. We also lobby to prevent any of our members to feel mistreated. If you are eager to learn Finnish while you're here, you can also grab the official member magazine of ours, the Dilutus. in which you can find stories written by our students.

As mentioned before, we arrange many social student events in the fall and we encourage everyone to come and visit in them. To have an idea of our events visit our social media pages to find out what we have been up to lately. We have a webpage, Facebook page and an Instagram account @fortisry.

I would like to congratulate you for your choice to apply to the Master's Degree Programme in General Toxicology. We shall see you in the fall!

Valtteri Syvänen
The chairman of Fortis

Academic calendar at UEF

The academic year is based on a two-semester system. The official academic year starts on 1 August and ends on 31 July. However, in the autumn semester lectures are scheduled mainly between September and mid-December, and in the spring semester between early January and May. The Christmas break is about three weeks and during the spring semester, there is a week-long Easter break. There is generally no teaching during the summer and on public holidays.

Check the up-to-date information on <https://kamu.uef.fi/en/student-book/academic-calendar/>.

DATE	EVENT/HOLIDAY
3-5 September 2019	Orientation for new Master's Degree students in Kuopio and in Joensuu
15 September 2019	Registration for new students ends
5 September 2019 (in Joensuu)	Opening ceremony of the academic year
29 September 2019 (in Joensuu)	Climate afternoon
2 October 2019	Sports afternoon
7 October 2019 (in Kuopio)	Climate afternoon
18 December 2019 – 3 January 2020	Christmas break
20 February 2020 (in Kuopio)	10 th Anniversary of the university
25 February	Sports afternoon
9-15 April 2020	Easter break

Teaching will not be arranged during the opening ceremony, sports afternoon, climate afternoon, Independence Day (6 December), Maundy Thursday (9 April) and the First of May (30 April – 1 May).

NOTES

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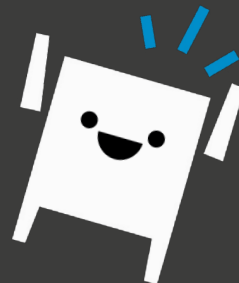
Welcome to Eastern Finland, the University of Eastern Finland and our *Student Union!*

At first, everything can feel new and confusing, but luckily you have joined a student community where you will surely find all the support you need. Students are a wonderful bunch and we at the Student Union of the University of Eastern Finland will provide you recreational activities, sports services and opportunities to make a difference. We also look out for your interests, so that you can focus on your studies. Your Student Association is the link to other students of your field, while the Student Union is the gateway to all the joys and benefits of student life.

The Student Union, or ISYY for short, may already be familiar to you. Once you have registered to the University, you can pay our membership fee, which also includes the Finnish Student Health Service (FSHS) fee. We are a service and lobbying organisation for students, and that means You. From students to students, with love.

SERVICES AVAILABLE TO OUR MEMBERS INCLUDE:

- Interest advocacy
- Recreational activities and events
- SYKETTÄ Sports Services
- Rental equipment and venue hire
- Clubs
- International Services
- Communications services, e.g. newsletters
- Student card and the term stickers
- Customer service office
- Anti-Harassment Contact Persons
- Opportunities to make a difference in the Student Union and the University
- Support and services for Student Associations (e.g. grants and training)



Visit our website to learn more about the Student Union, our operations, services, and all the fun and useful things ISYY membership offers you. Our expert staff is also ready to help you anytime! If you really get excited about our work, you can stand in the ISYY Representative Council elections in the fall of 2019, or vote for the candidate that you think is best suited to run the Student Union's affairs.

We wish you the best in your studies this semester and a happy student life!

READ MORE: isyy.fi/en/services/for-new-students

ESN for international students

WHO ARE WE?

ESN Joensuu and ESN Kisa are part of ISYY dedicated to the international students. We are part of Erasmus Students Network (ESN) with more than 527 local sections in 39 countries. The most important task of the ESN sections is to introduce Finnish culture and lifestyle to international students and give Finnish students an opportunity to gain international experiences by arranging events and activities. We are active in promoting intercultural understanding and social inclusion.

HOW TO BECOME A MEMBER?

Every member of ISYY is an ESN member. You can participate in our events (most of them free of charge) and to our trips, if you are interested in gaining international experiences. Become a board or active member?

Becoming a board or active member gives you the opportunity to participate in the organization of events and decision making. The tasks of board members are the planning and management of events and trips, communication, finding partners and being part of the decision making in the Erasmus student network (ESN). Active members can participate in organizing events and trips. If you wish to participate, please join our meetings. Contact us for meetings schedule and location.

EVENTS WE ORGANISE

Kuopio: We organise get to know each other nights, movie nights, International food festivals, SitSits, Wine and cheese nights, Board game nights, Barbeques and picnics, Futsal tournaments, Ice hockey watching, Smoke Sauna and the list is open to your suggestions! We have at least one event per week so check out our facebook!

Joensuu: Join sledging, travel to Lapland and hire skis in the Winter. During the warmer months, you can come and participate in events such as the famous Vappu celebrations and Colourfest! ESN members also have the right to borrow skis, skates, frisbees free of charge at the Student Union. We also organise trips to Koli, Saariselkä, Lapland; Lofoten, Norway and St. Petersburg, Stockholm, and other international events!

GET INVOLVED!

ESN Joensuu esnjoensuu@esnfinland.eu | esnjoensuu.fi |   @esnjoensuu

ESN Kisa (Kuopio) esnkisa@gmail.com | esnkisa.eu/contact |   @esnkisa



INTERNATIONAL EXCHANGE
ERASMUS STUDENT NETWORK