

2019-2020



UEEF //
SMART
START

MEDICAL PHYSICS

Checklist for new students

Apply for
a residence permit
migri.fi



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



Check course
information on
webodi.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

Welcome to the special unit of science!

Congratulations! You have been accepted to study in the Master's Degree Programme in Medical Physics in the city of Kuopio. We at UEF will do our best to make your studies and life in Finland rewarding.

At the Department of Applied Physics, we educate specialists to address major global challenges. Our research excels in three physics sub-disciplines:

- In aerosol physics the main aim is to solve the role of atmospheric aerosols in climate change.
- In computational physics we harness hard science in mathematical modelling and in inverse problems e.g. to the service of industry.
- In medical physics research aims for earlier diagnosis and better therapy.

We wish you a great time here at the Department of Applied Physics!

Siru Kaartinen, PhD, medical physicist, programme coordinator
email: siru.kaartinen@uef.fi
office: Melania 112/2 (1st floor)
mobile: +358 50 435 4326



Rami Korhonen, professor, leader of the programme
email: rami.korhonen@uef.fi
office: Melania 329 (3rd floor)
mobile: +358 40 355 3260



Welcome to Kuopio! Tervetuloo mualiman napaan!

Congratulations on your admission and welcome to study Medical Physics in the University of Eastern Finland! Here you will be on the forefront of science with great opportunities such as hospital internships and international networking.

We are excited to have you! As your tutors, we will be here to help you with issues you have regarding studies, accommodation, living in Finland or anything else you can come up with. You are encouraged to contact us even before you arrive for assistance and advice.

Best regards, your student tutors,

Jere Lavikainen, +358 40 769 6901 (WhatsApp preferred), jerela@uef.fi

Marika Rissanen, +358 40 775 6844 (WhatsApp preferred), marikris@student.uef.fi



Hello and welcome to Finland!

Hyeena ry is student association for students of applied physics and environmental science.



Student association takes care of student's well-being. For example, Hyeena organizes events like parties and hang-out evenings and it is the voice of students. With a little help of Hyeena, you can get to know your fellow students better. One of the most important meaning of student association is to bring students together!

Check more about Hyeena by going to our website www.hyeena.net, on Instagram our alias is hyeenary and we are on Facebook, search for site named Hyeena! Unfortunately, most of the text is in Finnish but we are trying to improve our English, so you Master's students don't feel left out!

You are warmly welcome to all our events! Welcome to Kuopio and see you soon!

Heidi Malinen,
chairperson of Hyeena

Save the date - Events of the first week

Sunday 1st September @ Ale pupi (Kauppakatu 16)

Before the semester starts, there is this event in the bar Ale pupi. There are not any planned actions, just hanging out. Come and see before first day, what kind of people are waiting for you!

Monday 2nd September. Get to know each other @ Calacucco (Vuorikatu 20)

First day is behind, yay! In the evening, we go to Calacucco to get to know each other. There will be a lot of Hyeena members to meet. Party will continue at restaurant Albatrossi (Makasiininkatu 1).

Wednesday 4th September. Hang-out evening @ Lukema (Yliopistonranta 3)

This event is alcohol free! There will be a lot of food and good company to play games with. Basically, people just eat, chat with others and play different games! This is an opportunity to plan city orienteering...

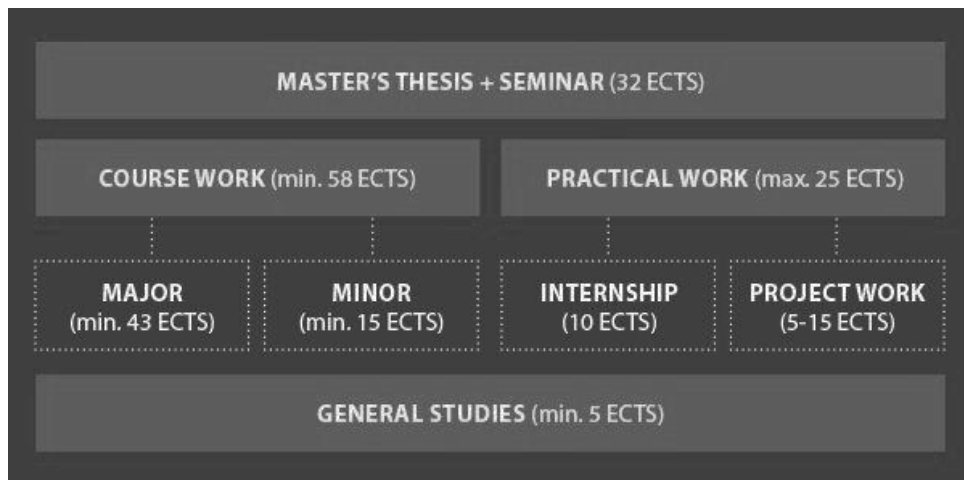
Thursday 5th September @ City of Kuopio

City orienteering. This is not just running around with map and compass! You get to know your fellow students and the beautiful city of Kuopio by doing different, funny things! This is memorable event you don't want to miss.

Degree structure

In the Master's degree programme in Medical Physics (MedPhys) curriculum, theory meets practice: the programme includes a possibility for internships in research groups and companies. In addition, it is possible to conduct a clinical internship at the Kuopio University Hospital, consisting of e.g. quality assurance measurements, training in radiation dosage planning for cancer treatment and getting familiar with the routine tasks of a medical physicist. The Master's degree programme is based on high quality international research in medical physics and biomedical engineering performed at the Department of Applied Physics, University of Eastern Finland (Kuopio campus). The University of Eastern Finland offers a full curriculum for students of the MedPhys programme.

The study curriculum covers a wide range of topics from medical imaging data and signal analysis to clinical measurement techniques and medical radiation physics. The programme consists of 120 ECTS credits and it is expected to be completed within two years



Aims of the Master's Degree Program

MedPhys is intended to give the student a basic understanding of the subject matter and tools to apply theoretical and practical training to various areas of medicine, including diagnostic imaging, cancer treatment, and physiological monitoring.

Each person receiving an MSc degree upon completion of these studies will:

- Possess excellent theoretical and practical skills in a wide range of applications related to medical physics (and/or engineering)
- Know how to work independently on a research topic relevant to medical physics (and/or engineering)
- Know how to present a research topic and results in a written report and in an oral presentation
- Have experience of working as a member of a research group and/or in clinical settings in a hospital
- Be trained in a highly international environment where students from all around the world have interacted and co-operated

List of courses

The curriculum and comprehensive list of courses can be found from the Course catalogue, which will be published at <https://weboodi.uef.fi/> (Instructions and courses → Course catalogues → Faculty of science and forestry → Department of Applied Physics → Master's Degree Programme in Medical Physics).

For example, the first year studies include the following courses:

- Nuclear Medicine Physics
- Physics in Clinical Physiology and Neurophysiology
- Digital Image Processing
- Magnetic Resonance Imaging
- Human basic anatomy, physiology and radiology

Academic calendar 2019-2020 at UEF and at the department of Applied Physics

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.

DATE	EVENT/HOLIDAY
2 September 2019	Orientation for new MedPhys students at the Department of Applied Physics
3-5 September 2019	UEF Orientation for Master's Degree students
Second week of studies	Student & staff get together at the Department of Applied Physics
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
30 October	MedPhys 2019-2021 class meeting
18 December 2019 - 3 January 2020	Christmas break
8 January 2020	MedPhys 2019-2021 class meeting
20 February 2020 (in Kuopio)	10 th Anniversary of the university
25 February 2020	Sports afternoon
16 March	MedPhys 2019-2021 class meeting
17 March - 19 March	Physics days
9-15 April 2020	Easter break
20 May 14-16	MedPhys 2019-2021 class meeting
22 May 14-16	Graduation ceremony of the Department of Applied Physics

Schedule of the first week

The first days of your studies are important orientation days. You will attend the general orientation held by the University of Eastern Finland. In addition, your tutors will give a tour around the department of Applied Physics and you will meet the staff members of the department.

MONDAY 2ND SEPTEMBER

Time	Place	Topic
9:00	Snellmania main hall	Tutors will pick you up from Snellmania main hall
9:15-9:30	Melania 100	Welcome to UEF Applied Physics! Meeting the head of the programme, coordinator of the programme and the head of the department.
9:30-10:30	Melania 100	General info of the programme
10:30-11	Department of Applied Physics	Guided tour at the department
11-12	Amica Snellmania	Lunch with tutors and former & current students of MedPhys
12-16	Me 112/2	Personal study plan meetings with the coordinator of the programme

TUESDAY 3RD SEPTEMBER

Time	Place	Topic
10.00-12:00	Mediteknia, MD100	UEF orientation
15:00-16:45	Mediteknia, MD100	UEF orientation

WEDNESDAY 4TH SEPTEMBER

Time	Place	Topic
9:00-12:00	Mediteknia, MD100	UEF orientation
12:00-15:00	Snellmania	UEF orientation
15:00-16:00	Mediteknia, MD100	UEF orientation

THURSDAY 5TH SEPTEMBER

Time	Place	Topic
8:30-11:00	Mediteknia, MD100	UEF orientation
11:00-15:00	Canthia CA103 and Mediteknia MD101	UEF orientation
Afternoon	Campus Happening by Student Union ISYY, afternoon	In front of Studentia building



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I appreciate the freedom and safety, and the fact that it is not a competitive environment – on the contrary, everyone is willing to help. There’s a mutual respect between teachers and students, and you feel that you are trusted in. It’s important to me that I can speak my mind to the teachers and discuss openly, as there’s no hierarchy in a way.

Williane Bernardes, MedPhys student 2018-2021, Brazil



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“On the other hand, I love mathematics, physics and technical things. Then I realized that in medical physics I can combine both: the strong motivation to contribute to people’s health and to work with complex machines.”

Kamila Lepkova, MedPhys student 2018-2021, Czech Republic

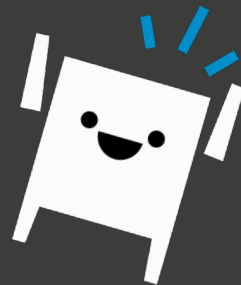
Welcome to Eastern Finland, the University of Eastern Finland and our *Student Union!*

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

UEF// DIGITAL TOOLS FOR STUDENTS

The University of Eastern Finland uses a wide range of digital tools that help you with your studies, work and communication. Using these tools is the best way to stay updated on matters pertaining to your studies and the university.

UEF// KAMU

The Student Handbook **KAMU** is an ever-evolving information bank, where you can find instructions that concern all students, as well as links to various services.

kamu.uef.fi

A **STUDY COMMUNITY** is a community created for and featuring information aimed at students of a specific department, unit, major subject or degree programme. General studies-related information is also shared in the study communities. The study communities are part of the Office 365 environment, and you can log in with your UEF credentials. You can find links to the study communities in Kamu.



YAMMER is an internal communication channel for students and staff. Everyone can join in the discussion, follow different groups and create new ones. The UEF Students group is intended for information that concerns all students, and the Yammer group of your study community is good source of the latest information in your field. It's a smart move to join and follow both of these groups. You can find a link to Yammer on the university's home page.



AN EMAIL ACCOUNT is automatically created for you in the form username@student.uef.fi. Log in to your email and other O365 services by entering your username in the form username@uef.fi. You can find a link to student email on the university's home page.

uef.fi



WEBOODI is your most important tool right from the start! Use WebOodi to register for the academic year, exams and courses, and to make your PSP.

weboodi.uef.fi



TUUDO is a free mobile app (for iOS and Android) via which you can register for courses and exams. In Tuudo, you can also find your study records and automatically created schedule, as well as campus maps and public transport timetables.

tuudo.fi

Feeling lost? *Kamu* will help you out!

All our latest information can be found in the online student handbook **KAMU**. There is information for all the phases of your studies – from freshman year to graduation. Besides guides, information on our services and UEF news, you can search for tips to improve your study skills, or check what kind of campus activities are available. Please check this online material to ensure your smooth start at UEF. Your orientation programme will start on 3 September 2019. The schedule of the orientation week can be found in

kamu.uef.fi

*What to do
after my arrival?
Search
Checklist*

*How to study at UEF?
Search
Study Skills*

*What is
an academic quarter?
Search
Glossary*

*Where are my
fellow students?
Search
Study Communities*

*I am sick,
what to do?
Search
Health Care*

*Are there restaurants
on campus?
Search
Lunch*

*What happens
during the summer?
Search
Summer School*

*IT problems?
Search
IT Services*

*What type of
sports can I do?
Search
Sports*