

Tampere University of Applied Sciences
Degree Programme in Radiography and Radiotherapy

Nuclear Medicine Procedures and Safe Medical Use of Ionizing Radiation

Exchange curriculum

Tiina Säilä



2025

Tampere University of Applied Sciences

TELEPHONE EXCHANGE

Telephone exchange: +358 294 5222.

ADDRESS:

Tampere University of Applied Sciences
Kuntokatu 3, FI-33520
Tampere, Finland

E-mail addresses: firstname.lastname@tuni.fi (no Scandinavian alphabet)

Questions about international exchange or TAMK's other international activities:

incoming.tamk@tuni.fi

More info: <https://www.tuni.fi/en/information-exchange-students-tampere-university-applied-sciences>

Degree Programme in Radiography and Radiotherapy

Erasmus Radiography Group contact persons:

Tiina Säilä, firstname.lastname@tuni.fi (no Scandinavian alphabets)

+358 50 4413253

Supervisors in the hospital:

Emilia Helenius, emilia.helenius@pirha.fi

Annika Mäkelä, annika.makela@pirha.fi

INSTRUCTIONS FOR APPLICANTS

More information: <https://www.tuni.fi/en/study-with-us/exchange-studies/how-apply-exchange-studies-tampere-university-applied-sciences>

Exchange students should first get **approval from their home university** for their planned exchange. All applicants must be officially **nominated** by their home university. **After TAMK has received the nomination from your home university, you will receive further instructions on how to fill in your application and download the required documents online.**

The application deadlines for exchange studies in the Spring Semester 2025 (January - May) is **15 October 2024** for Radiography and Radiotherapy students.

The nomination deadline is two weeks before the application deadline. For detailed nomination instructions, please see the information provided below in the Nomination instructions section.

TAMK uses SoleMOVE online mobility programme for receiving the applications. **Please note that TAMK does not accept applications sent by post!**

INSTRUCTIONS FOR ACCEPTED EXCHANGE STUDENTS

Students to Radiography and Radiotherapy must send max. 30 days old negative **MRSA** (Methicillin Resistant Staphylococcus Aureus) test result at least 1 week before arrival. The test swabs must be taken from the nose AND throat (and possible other infected areas) and the results should be clearly stated in English.

Vaccination: Students **have to bring the certificate of vaccination** or written report about having measles, mumps (parotitis), rubella and chickenpox (varicella). These are Tampere University hospital's requirement. They recommend also having tetanus, diphtheria and B-hepatitis vaccination before clinical training.

After 1.1.2018 you need to have **influenza vaccine** when have clinical training during influenza season.

STUDENT INSTRUCTIONS FOR A SUPERVISED PRACTICAL TRAINING

Dosimeters: Personal dosimeter (TLD) (+ finger dosimeter for NUC if needed) should be brought by the students.

Personal name badge: The name badge should be brought by the students. It is obliged in the hospitals.

Uniforms and shoes: The students are expected to wear official clothing. Hospitals offer uniforms and take care of laundry. Students must have shoes of their own (for indoor use only). Students have a responsibility and obligation to wear the protective clothing designated and maintained by the employer at the workplace during working hours and when carrying out work duties.

Working hours: The student's working hours are 37,5 hours (if 5 days) per week, an average of 7,5 hours per day. Exceptions to working hours must be agreed with the supervising radiographer and the teacher.

If the student gets ill, he/she must immediately inform the supervising radiographer (via phone) and the teacher (via email) about the absence. During the sick leave student doesn't earn any study credits. If the student is ill longer than three days s/he must get a nurse's or a doctor's statement on the illness for the home university.

Communication to the Practical Placement

The student is expected to contact the supervising radiographer beforehand, even if he/she gets prior information from the teacher.

Addressing people: The student is expected to address older customers / patients formally (e.g. in German *Sie* instead of *du*, in Finnish *te* instead of *sinä*). Informal addressing should be used only if the customer / patient initiates it.

Ethical principles: The student must abide to the Law on Status and Rights of the Patient and the ethical principles of radiography in all Practical Placement companies.

The ethical principles state e.g: The patient has a right to be treated in a good and human way, and his/her personal convictions and privacy must be respected.

The patient files are confidential. This is an essential part of creating a good relationship with the patient.

Nuclear Medicine Procedures and Safe Medical Use of Ionizing Radiation

Learning outcomes of the study module

Student

- knows the European Union legislation, Finnish radiation legislation and directives given by authorities related to safe medical use of ionizing radiation
- can act as an expert of safe medical use of ionizing radiation in Nuclear Medicine Procedures
- knows the structure and operating principle of equipment and auxiliary instruments used in nuclear medicine procedures and knows the safe use of these equipment
- can act as a member of working teams in different procedures related to Nuclear Medicine
- can act appreciatively and respectfully towards patients, their relatives, and co-workers
- can reflect his/hers own learning and have positive attitude towards feedback and is willing to develop him/her continuously

Credits theory:	Practice at school	Clinical Practice:			Other credits: (Language & culture)
		Credits	Weeks with patients	Total hours of clinical practice:	
4 Radiation protection project (2cr) Quality assurance project (2cr)	2 Go teaching project (2 cr)	10 1 ECTS = 25 h student's work, 10 ECTS * 25 h = 250 h	7 1 week is 37,5h clinical practice (7,5 h / day)	250 10 ECTS * 25 h = 250 h	3 + 1 Finnish language and culture + Orientation

Weeks	The plan in 2025		
1. week	<ul style="list-style-type: none"> Orientation at TAMK 3.1.2025 	1 ECTS	Lectures e-learning
2.-13. weeks	<ul style="list-style-type: none"> 6.1.2025 Epiphany day (national holiday) Finnish language for Exchange students, the schedule will be updated later (2-13 weeks) 	3 ECTS	Lectures Test
2.-13. weeks	<ul style="list-style-type: none"> Radiation protection in the field of NUC – project Quality assurance in the field of NUC -project 	2 ECTS 2 ECTS	Clinical work e-learning report seminar
2.-7. weeks	<ul style="list-style-type: none"> Introduction to Degree Programme in Radiography and Radiotherapy Introduction to Tampere University Hospital Clinical practice will start after introduction 	10 ECTS	Clinical practice in NUC or Radiology
8. week	<ul style="list-style-type: none"> Go teaching project week 8, part one 		act as an assistant teacher
9. week	<ul style="list-style-type: none"> Holiday for one week, in Finland we have "skiing vacation" 		
10. week	<ul style="list-style-type: none"> Clinical practice will continue Independent work (to finalize the project works) 		Clinical practice in NUC or Radiology
11. week	<ul style="list-style-type: none"> Project – presentations at the hospital and at TAMK Evaluation of the whole program Some free days also 		Project report, presentation
12.-13. weeks	<ul style="list-style-type: none"> Go teaching project week 12, part two evaluation, paperwork etc. 		act as an assistant teacher