

TALLINN UNIVERSITY

Academic unit:

Mathematics and natural Sciences

Name of the curriculum in Estonian

Interaktiivne meedia ja teadmuskeskonnad

Name of the curriculum in English

INTERACTIVE MEDIA AND KNOWLEDGE ENVIRONMENTS

80405

(curriculum code)

(Date of registration in Ministry of Education and Research)

12.12.2005

(approved by University Senate)

21.11.2005

(approved by faculty))

Level: Master

General objectives of curriculum: The program aims to equip students with a range of competences, applicable not only in professions related directly with designing, planning, implementing, distributing and management of digital interactive media, but also in positions indirectly assuming vision and critical knowledge of the possibilities and issues of the field. The education aims at a level of abstraction that allows the graduates to re-adapt and update their skills to rapidly changing career profiles.

General learning outcomes of curriculum:

The graduates will master a spectrum of critical knowledge and professional skills in the field of digital interactive media. Possible careers addressed include education, leadership in governmental and municipal services, citizen communities, business and entrepreneurship.

Basic principles of curriculum:

The core content of the curriculum is a set of compulsory subjects, intended to build the professional skills and identity associated to new media careers.

On the other hand, the curriculum includes a set of relatively narrow elective courses, with which students from different backgrounds can tailor their individual studies so as to best serve their needs and orientations. For this reason, there are at least 8 elective focus courses, each of the scope of 3 ECTS, intended to alternate in biannual cycles in order to be available to all IMKE students. The relatively condensed course format is dictated by the necessity to fit two such courses per semesters. They all combine theoretical views with the purpose of balancing between conceptualization, design, application and implementation. A wide choice of free electives is secured by an organized collaboration within Tallinn Media Cluster (tmc.tlu.ee). The studies involve an essential amount of independent work (one ECTS approximately 20 hours). The first year primarily involves class work while the emphasis during the second year is placed on project work and the master thesis.

Curriculum accreditation: Scheduled to take place in spring 2008

Load (credit points): 80 AP

Load (ECTS): 120 ECTS

Standard period of study in years: 2 years

Language of instruction: English

Level of ISCED-97 :

Study field: New Media

Degree: Master of Science in Engineering (Interactive Media and Knowledge Environments)

Documents issued at graduation: master diploma and academic report

Curriculum coordinator / contact: Mauri Kaipainen

Admission requirements: Bachelor degree or corresponding qualification

Special requirements: experience or skills in field of digital media, AO-level computer skills

Entrance examination: Entrance exam which consists of an essay and interview

Description of curriculum structure:

General subjects: 14 ECTS

Major: 60 ECTS

Free Electives: 26 ECTS

Master thesis: 20 ECTS

The studies involve an essential amount of independent work (one ECTS approximately 20 hours). The first year primarily involves class work while the emphasis during the second year is placed on project work and the master thesis. Conditions for graduation: Completion of the curriculum and the defense of a master thesis.

**Group of introductory subjects/general subjects/ teacher's vocational subjects
9CP/14ECTS**

Objectives: To guarantee mastering a level of prerequisites of professional work in the field of media.

Subject Code	Subject	CP	ECTS	Assessment
	Compulsory subjects 3 CP/5ECTS			
MII7130	Academic writing and hypertext	3	5	GA
	Electives 6CP/9ECTS			
MII7102	Basic computer and programming skills	2	3	GA
MIA7002	Data analysis	3	4,5	GA
MII7046	21st century concepts in information and meaning	3	4	GA
MIA7007	Research methods	3	4,5	E

Learning outcomes:

The students master basic academic skills.

**Core subjects/group of subject studies 40
CP/60ECTS**

Module 1 (name of module) **40CP/60ECTS**

Objectives: The compulsory subjects intend to define and establish the discipline identity and core practices of the field, and the electives shape each student's individual orientation.

Subject Code	Subject	CP	ECTS	Assessment
Compulsory subjects 24CP/36ECTS				
MII7100	Media project management	4	6	GA
MII7133	Introduction and theoretical foundations of new media	3	4	E
MII7104	History and visions of interactive media	3	4	E
MII7134	Interface and interaction design	3	4	GA
MII7010	Media project	4	6	GA
MII7135	Master seminar I	2	4	P-F
MII7126	Master seminar II	2	4	P-F
MII7136	Open source management	3	4	GA
Electives 16CP/24ECTS				
MII7137	Intellectual property in the age of new media	2	3	GA
MII7112	Game interactions	2	3	GA
MII7122	Interactive information visualization	2	3	GA
MII7138	Political and social issues of digital interactive media	2	3	GA
MII7139	Security and privacy matters	2	3	GA
MII7124	Generative content creation	2	3	GA
MII7117	Digital interactive audio	2	3	GA
MII7119	Interactive television	2	3	GA
MII7140	Experimental input and output	2	3	GA
MII7141	Mobile interactions	2	3	GA
MII7142	Locative technologies	2	3	GA
MII7131	New interactive environments	4	5	GA
MII7143	E-Learning	4	5	GA

Learning outcomes:

An individually tailored profile of skills and knowledge that allows professional planning, design or management of interactive media and environment concepts or services in contexts of cross-disciplinary team work. A readiness to continuously update own competence as social contexts, methodologies, technologies and markets evolve.

Module 2 (EMIM) **40CP/60ECTS**

Objectives:

As in Module 1, with the additional benefit that the module, taken as a whole, allows the students to achieve the diploma of The European Master's in Interactive Multimedia (EMIM, <http://emim.fh-joanneum.at/>), in parallel with the Tallinn University Master of Science diploma. EMIM is a team taught course of post-graduate study endorsed by the European Academy of Digital Media. The course is offered to both part-time and full-time students via distance learning. There are six European institutions of higher learning contributing to the award, with each institution enrolling, administering, and conferring the final degree to its own students. The course descriptions will be given by each organising unit.

Subject Code	Subject	CP	ECTS	Assessment
	Compulsory subjects 40CP/60ECTS			As determined by organising institution
EMIM01	Digital Culture, Staffordshire [UK]		5	
EMIM02	Visual Communications, Rome[I]		5	
EMIM03	E-Learning, Tallinn [EE]		5	
EMIM04	Project Management, ITIN [F]		5	
EMIM05	New Interactive Environments, Rome [I]		5	
EMIM06	Marketing and E-Commerce, Kemi-Tornio [FI]		5	
EMIM07	Research Methods for Convergent Media, Staffordshire [UK]		5	
EMIM08	E-Government, Babes-Bolyai [RO]		5	
EMIM09	Usability and Accessibility, FH JOANNEUM [A]		5	
EMIM10	Business Economy of Cross Media, Kemi-Tornio [FI]		5	
EMIM11	Entrepreneurship, ITIN [F]		5	
EMIM12	Information Management, FH JOANNEUM [A]		5	
<p>Learning outcomes: As in module, evaluated against the criteria of the institution organizing each course.</p>				

Open electives 17CP/26ECTS

Objectives:

Objective of open electives is to create opportunities for students for individual development and realization of student's intellectual interest. Open electives can be used to raise level of language and computer skills.

It is recommended that the students choose courses complementing courses that serve to give views to the broad field of communication, for example, cinema, media art, communication and urban studies.

Learning outcomes: Skills and understanding of fields of the students' own interest.

- Learning outcomes according to student's individual choices
- Skills of foreign language at the B2 level of the European Language Portfolio
- Computer skills appropriate for university studies, special computer skills
- Estonian language courses. Graduates of schools with Russian as the language of instruction who study in curricula in Estonian must master the Estonian language for special purposes at the C1 level of the European Language Portfolio.

Final paper or final examination 14CP/20ECTS

Objectives:

Prove the achievement of general and specialized professional skills in new media.

Subject Code	Subject	CP	ECTS	Assessment
MII7127	Master thesis	14	20	GA

Learning outcomes:

A written report of individual project work, written in a logical and clear manner, according to academic standards, acceptable as publication in principle. It is encouraged that the thesis makes use of hypertext and multimedia.