

## Advanced Multimedia Applications (E019161)

Course size (nominal values; actual values may depend on programme)

Credits 4.0      Study time 120 h      Contact hrs 30.0 h

Course offerings and teaching methods in academic year 2018-2019

A (semester 2)	English	lecture	7.5 h
		group work	22.5 h

Lecturers in academic year 2018-2019

Mannens, Erik	TW06	lecturer-in-charge
De Neve, Wesley	TW06	co-lecturer

Offered in the following programmes in 2018-2019

	crdts	offering
<a href="#">Master of Science in Electrical Engineering (main subject Communication and Information Technology )</a>	4	A
<a href="#">Master of Science in Computer Science</a>	4	A
<a href="#">Master of Science in Computer Science Engineering</a>	4	A
<a href="#">Master of Science in Computer Science Engineering</a>	4	A
<a href="#">Exchange Programme in Computer Science (master's level)</a>	4	A

Teaching languages

English

Keywords

multimedia, advanced applications

Position of the course

The student will gain experience in setting up a professional/integrated state-of-the-art multimedia application. This is realized via a (guided) project, run by students teams.

Contents

- Introduction - goals: Overall goals, Overview possible projects
- Implementation: Follow-up, Actual implementation

Initial competences

multimedia techniques, basic background in design of multimedia applications

Final competences

- 1 Being able to define technical requirements for multimedia applications.
- 2 Being able to propose adequate architectures for multimedia applications, that allow for efficient realizations of their requirements.
- 3 Being able to set up a concrete project plan for the realization of a multimedia application, including deliverables and milestones.
- 4 Being able to realize this multimedia application.
- 5 To know how to describe the status (including plus/minus analysis) of the project, via oral and written reporting.
- 6 Being able to describe the performance of the multimedia application, both qualitatively and quantitatively (as far as this possible).

Conditions for credit contract

Access to this course unit via a credit contract is determined after successful competences assessment

Conditions for exam contract

This course unit cannot be taken via an exam contract

## Teaching methods

Group work, lecture

## Learning materials and price

Scientific articles text books (chapters from text books) web pages standards specifications. Remark: the material depends on the specific project that is chosen by the student.

## References

## Course content-related study coaching

Weekly contact with project coaches and/or professor.

## Evaluation methods

continuous assessment

Examination methods in case of periodic evaluation during the first examination period

Examination methods in case of periodic evaluation during the second examination period

Examination methods in case of permanent evaluation

Oral examination, report

Possibilities of retake in case of permanent evaluation

examination during the second examination period is possible

Extra information on the examination methods

During semester: graded project reports; graded oral presentation. Frequency: permanent.

Calculation of the examination mark