

## Course

# MUS - Media Distribution and Storage

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Version: 1 | Last Change: 01.10.2019 17:59 | Draft: 0 | Status: vom verantwortlichen Dozent freigegeben

### ^ General information

<b>Long name</b>	Media Distribution and Storage
<b>Approving CModule</b>	<a href="#">MUS_BaMT</a>
<b>Responsible</b>	Prof. Dr.-Ing. Klaus Ruelberg Professor Fakultät IME
<b>Level</b>	Bachelor
<b>Semester in the year</b>	winter semester
<b>Duration</b>	Semester
<b>Hours in self-study</b>	78
<b>ECTS</b>	5
<b>Professors</b>	Prof. Dr.-Ing. Klaus Ruelberg Professor Fakultät IME  Prof. Dr.-Ing. Luigi Lo Iacono ehemaliger Professor Fakultät IME
<b>Requirements</b>	Electronics, Electronic Media 1 and 2
<b>Language</b>	German
<b>Separate final exam</b>	Yes

## Final exam

### Details

Written examination, in individual cases also structured oral examination

Questions on the properties of channel models and the principles used for media transmission

Calculation of system parameters of transmission systems

Programming task for media databases

## Minimum standard

50% of maximum points

## Exam Type

Written examination, in individual cases also structured oral examination

Questions on the properties of channel models and the principles used for media transmission

Calculation of system parameters of transmission systems

Programming task for media databases

## ^ Lecture / Exercises

## Learning goals

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### Knowledge

Multiplex of media data streams

distribution channels for Broadcasting

Forward Error Correction (FEC) & digital modulation (DVB standards)

Mass storage technologies

Media specific requirements on mass storages

Media data formats and metadata

Media database systems

Archive systems for media data

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### Skills

check and evaluate multiplexed media datastreams

analyse and check baseband TV signal

read and understand standardization documents in english language

analyse and evaluate broadcast systems

analyse and evaluate media production workflows

define requirements for content management and archive systems

Model, implement and query media database systems

## Expenditure classroom teaching

Type	Attendance (h/Wk.)
Lecture	3
Exercises (whole course)	1
Exercises (shared course)	0

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## Separate exam

none