

Course Manual MUS

Media Distribution and Storage

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– General information

Long name Media Distribution and Storage

Approving CModule [MUS_BaMT](#)

Responsible Prof. Dr.-Ing. Klaus Ruelberg
Professor Fakultät IME

Valid from winter semester
2022/23

Level Bachelor

Semester in the year winter semester

Duration Semester

Hours in self-study 78

ECTS 5

Professors Prof. Dr.-Ing. Klaus Ruelberg
Professor Fakultät IME
Prof. Dr.-Ing. Luigi Lo Iacono
ehemaliger Professor Fakultät IME

Requirements Electronics, Electronic Media 1 and 2

Language German

Separate final exam Yes

Literature

keine

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 EN Klausur

– Lecture / Exercises

Learning goals

Goal type	Description
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
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

Special requirements

none

Accompanying material

lecture slides

Separate exam

No

Expenditure classroom teaching

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