

## Course

# VST - Video Studio Technology

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### ^ General information

<b>Long name</b>	Video Studio Technology
<b>Approving CModule</b>	<u>VST_BaMT</u>
<b>Responsible</b>	Prof. Dr.-Ing. Ulrich Reiter 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>	60
<b>ECTS</b>	5
<b>Professors</b>	Prof. Dr.-Ing. Ulrich Reiter Professor Fakultät IME Hildebrandt Axel Gärtner Lehrkraft für besondere Aufgaben Fakultät IME
<b>Requirements</b>	knowledge from lectures in Electronic Media (2nd and 3rd semester)
<b>Language</b>	German
<b>Separate final exam</b>	Yes

## Final exam

### Details

Learning outcomes LO2 and LO3 will be graded based on a written exam (80% of the total grade), whereas learning outcome LO1 will be evaluated based on an example video production (20% of the total grade).

### Minimum standard

- Students demonstrate that they are able to produce video quality suitable for broadcasting.
- Students know components and workflows used in the production of video / TV studio. They can analyze and evaluate technical dependencies. They know important technical parameters and can describe their influence upon image quality. They are able to use the correct technical terms to describe systems and components.

### Exam Type

Learning outcomes LO2 and LO3 will be graded based on a written exam (80% of the total grade), whereas learning outcome LO1 will be evaluated based on an example video production (20% of the total grade).

## ^ Lecture

### Learning goals

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#### Knowledge

Students know the infrastructure of a TV studio and can describe its components and the respective functions. They can analyze how these components integrate and are able to evaluate the performance of a system.

Students know the specific characteristics and workflows of different types/genres of video production.

- video studio: equipment, systems and signals
- video cameras
- studio lighting
- measurement and testing of video signals
- video production units and video production processes
- video data transmission over networks

### Expenditure classroom teaching

Type	Attendance (h/Wk.)
Lecture	3
Tutorial (voluntary)	0

### Separate exam

none

## ^ Practical training

### Learning goals

## Skills

- Students know how to operate a video camera and can change settings to achieve proper image quality.
- Students can produce video suitable for broadcasting.

## Expenditure classroom teaching

Type	Attendance (h/Wk.)
Practical training	2
Tutorial (voluntary)	0

## Separate exam

### Exam Type

working on projects assignment with your team e.g. in a lab)

### Details

- Production and delivery of a short video in a small team.

### Minimum standard

- technical suitability for broadcasting