

# Course Manual VST

Video Studio Technology

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Version: 2 | Last Change: 06.10.2019 13:45 | Draft: 0 | Status: vom verantwortlichen Dozent freigegeben

## – General information

<b>Long name</b>	Video Studio Technology
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<b>Approving CModule</b>	<u>VST_BaMT</u>
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<b>Responsible</b>	Prof. Dr.-Ing. Ulrich Reiter <small>Professor Fakultät IME</small>
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<b>Valid from</b>	winter semester 2022/23
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<b>Level</b>	Bachelor
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<b>Semester in the year</b>	winter semester
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<b>Duration</b>	Semester
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<b>Hours in self-study</b>	60
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<b>ECTS</b>	5
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<b>Professors</b>	Prof. Dr.-Ing. Ulrich Reiter <small>Professor Fakultät IME</small>  Hildebrandt  Axel Gärtner <small>Lehrkraft für besondere Aufgaben Fakultät IME</small>
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<b>Requirements</b>	knowledge from lectures in Electronic Media (2nd and 3rd semester)
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<b>Language</b>	German
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<b>Separate final exam</b>	Yes
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## Literature

Ulrich Schmidt, Professionelle Videotechnik,  
Springer Verlag 2013

## 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).

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**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.

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**Exam Type**

EN Klausur

## – Lecture / Exercises

### Learning goals

<b>Goal type</b>	<b>Description</b>
Knowledge	<p>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.</p> <ul style="list-style-type: none"><li>- video studio: equipment, systems and signals</li><li>- video cameras</li><li>- studio lighting</li><li>- measurement and testing of video signals</li><li>- video production units and video production processes</li><li>- video data transmission over networks</li></ul>

### Expenditure classroom teaching

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

### Special requirements

knowledge from EM1 and EM2

<b>Accompanying material</b>	electronic slides as presented during the lectures
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<b>Separate exam</b>	No
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## – Practical training

### Learning goals

<b>Goal type</b>	<b>Description</b>
Skills	<ul style="list-style-type: none"><li>- Students know how to operate a video camera and can change settings to achieve proper image quality.</li><li>- Students can produce video suitable for broadcasting.</li></ul>

### Special requirements

knowledge from EM1 and EM2 related to video

**Accompanying material** - lab exercises for download in ILIAS

**Separate exam** Yes

### Expenditure classroom teaching

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

### Separate exam

**Exam Type** EN Projektaufgabe im Team bearbeiten (z.B. im Praktikum)

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

**Minimum standard** - technical suitability for broadcasting