

# Course Manual DIS

Display technology

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## – General information

**Long name** Display technology

**Approving CModule** [DIS\\_BaMT](#)

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

**Valid from** summer semester 2022

**Level** Bachelor

**Semester in the year** summer semester

**Duration** Semester

**Hours in self-study** 114

**ECTS** 5

**Professors** Prof. Dr.-Ing. Klaus Ruelberg  
Professor Fakultät IME

**Requirements** Electronics, Electronic Media 1 & 2, Mathematics 1, Computer Science 1

**Language** German

**Separate final exam** Yes

### Literature

### Final exam

#### Details

Written examination, in individual cases also structured oral examination  
The exam ensures that each student has individually achieved the goals of the L.O., through tasks of the following types:  
\* Questions about different principles of image creation and display driving  
\* calculation of image quality parameters  
\* image quality evaluation of displays

#### Minimum standard

describe basic principles of image generation and display control Determine and evaluate important image quality parameters

#### Exam Type

EN Klausur

## – Lecture / Exercises

### Learning goals

<b>Goal type</b>	<b>Description</b>
Knowledge	Display characteristics Basic principles of display driving & control display technologies display interfaces display Measurement

### Special requirements

none

### Accompanying material

Lecture slides

### Separate exam

No

### Expenditure classroom teaching

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