

Course

AVW - Visual and Auditive Perception

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^ General information

Long name	Visual and Auditive Perception
Approving CModule	AVW_BaMT , AVW_BaOPT
Responsible	Prof. Dr.-Ing. Ulrich Reiter Professor Fakultät IME
Level	Bachelor
Semester in the year	winter semester
Duration	Semester
Hours in self-study	36
ECTS	3
Professors	Prof. Dr.-Ing. Ulrich Reiter Professor Fakultät IME Prof. Dr.-Ing. Christoph Pörschmann Professor Fakultät IME
Requirements	none
Language	German
Separate final exam	No

^ Lecture

Learning goals

Knowledge

visual perception
structure of the visual system
perception of brightness
perception of contrast
spatial resolution
temporal resolution
colour perception
perception of spatial depth

auditory perception
human auditory system
loudness perception
pitch perception
spatial hearing
mechanisms of localisation
distance perception
cocktail-party effect
precedence effect / sum localisation
spectral and temporal masking

audiovisual interaction
audiovisual precedence effect
Mc Gurk effect

Skills

specify requirements for audiovisual media systems

assess performance of audiovisual systems with respect to human perception

Expenditure classroom teaching

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

Separate exam

Exam Type

solving exercises within limited functional / methodical scope under examination conditions

Details

regular short written exams (5 min) at the end of the lecture

Minimum standard

at least 50% of points after subtraction of the number of points that ist achievable on average by pure random guess.