

Area of Study: Media Processing Systems

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	LS	ECTS	SWS		Sem	Exam	
			V	Ü		written (min.)	oral
Mandatory Modules							
Image and Video Compression*	LMS	5	3	1	S	90	
Statistical Signal Processing*	LMS	5	3	1	S	90	
Communication Systems*	Inf 7	5	2	2	W	90	
Pattern Recognition*	Inf 5	5	3	1	W	90	

Mandatory-Elective Modules EEI							
Advanced Communication Networks*	IDC	5	3	1	S		x
Mobile Communications*	IDC	5	3	1	S	90	
Information Theory and Coding*	IDC	5	3	1	S	90	
Machine Learning in Communications*	IDC	5	3	1	W		x
Digitale Rundfunksysteme	LIKE	2,5	2	0	W	90	
Integrierte Navigationssysteme	LIKE	5	3	1	S		x
Channel Coding*	IDC	5	3	1	W+S	90	
Human-Machine-Interfaces*	LMS	2,5	2	0	S		x
Image, Video, and Multidimensional Signal Processing*	LMS	5	3	1	W	90	
Speech and Audio Signal Processing*	LMS	5	3	1	S	90	
Signal Analysis*	LMS	2,5	2	0	W		x
Transforms in Signal Processing*	LMS	2,5	2	0	S		x
Music Processing - Synthesis*	LMS	2,5	2	0	W		x
Machine Learning in Signal Processing*	LMS	5	3	1	S	90	
Digitale Elektronische Systeme	LTE	5	3	1	S	90	
Music Processing Analysis*	AL	2,5/5	2	0+2	W		x
Auditory Models*	AL	2,5	2	0	S		x
Advanced Topics in Perceptual Audio Coding*	AL	2,5	2	0	W		x
Speech Enhancement*	AL	2,5	2	0	W		x
Virtual Acoustics*	AL	2,5	2	0	S		x

Mandatory-Elective Modules Computer Science							
Echtzeitsysteme I+II	Inf 4	5/7,5	2	2+2	W		x
Diagnostic Medical Image Processing*	Inf 5	5/7,5	3	1	W		x
Pattern Analysis*	Inf 5	5	3	1	S		x
Interventional Medical Image Processing*	Inf 5	5	3	1	S		x
Implementierung von Datenbanksystemen	Inf 6	5	2	2	W	90	
Konzeptionelle Modellierung	Inf 6	5	2	2	W+S	90	
Objektorientierte und Multimedia-Datenbanken	Inf 6	5	4	0	W		x
Quality of Service of Communication Systems*	Inf 7	5	2	2	S	90	
Computergraphik	Inf 9	5	3	1	W		x
Applied Visualization*	Inf 9	5	2	2	S		x
Interactive Computer Graphics	Inf 9	5	2	2	S		x
Hardware-Software-Co-Design*	Inf 12	5/7,5	2	2+2	S	90	

* English lecture or workaround