

## Course Description – Winter 2023/24

<b>Title</b>	Image Processing I and Compression Standards (ImProc1)
<b>Faculty</b>	Computer Science
<b>Professor</b>	Prof. Dr. Klaus Chantelau
<b>ECTS</b>	5
<b>Level</b>	Master, Bachelor (with prerequisites)
<b>Requirements</b>	Open for Bachelor or diploma students with basic knowledge in linear algebra and analysis and solid programming skills in Java.
<b>Add. Information</b>	
<b>Content</b>	Students learn the foundations of the compression of audio-visual signals and the structure of audio-visual digital standards (G7xx, mp3, GIF/PNG, JPEG, H26x, MPEG1 / 2 / 4 ) and apply the most important mathematical and algorithmic methods for the development and implementation of compression software modules.