

Course Description – Winter 2022/23

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| Title | Image Processing I and Compression Standards (ImProc1) |
| Faculty | Computer Science |
| Professor | Prof. Dr. Klaus Chantelau |
| ECTS | 5 |
| Level | Master, Bachelor (with prerequisites) |
| Requirements | Open for Bachelor or diploma students with basic knowledge in linear algebra and analysis and solid programming skills in Java. |
| Add. Information | |
| Content | 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. |