

EUT+ Information about the course

Computer Vision

Faculty: Studienfeld Digitalisierung und Gesellschaft

Semester offered: Summer semester 2024

Semester of study: 26th August to 13th September 2024

Admission Requirements: N/A

Application Deadline: 23.08.2024

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Course content:

This course provides an introduction to the basic concepts and tools of computer vision using the following topics:

- Fundamentals: images, image formats, colors
- Challenges in computer vision
- Extracting distinctive image features and information for different application areas using the techniques: Filters, feature detection and matching methods
- Neural networks in computer vision (convolutional neural networks, autoencoders, denoisers, ...): Capabilities, limitations and challenges in realization

No prior knowledge of mathematics or computer science is required. The explicit goal of this course is to make the topic of computer vision accessible to non-mathematics and non-computer science students.