

Computer Vision – Course Outlines

Image Formation

- Human vision
- Cameras
- Geometric Camera models
- Camera Calibration
- Radiometry
- Color

Early Vision (one image)

- Linear Filters
- Edge Detection
- Texture
- Motion

Early Vision (Multiple images)

- Geometry of Multiple images
- Stereo

Mid-Level Vision:

- Segmentation
 - By clustering
 - By model fitting
 - Probabilistic
- Tracking

High-Level Vision:

- Model-based vision
- Appearance-based vision
- Generic object recognition