Computer Vision CS474

By

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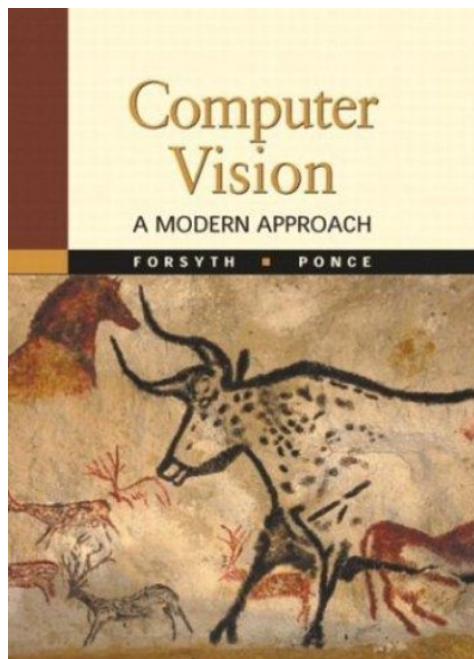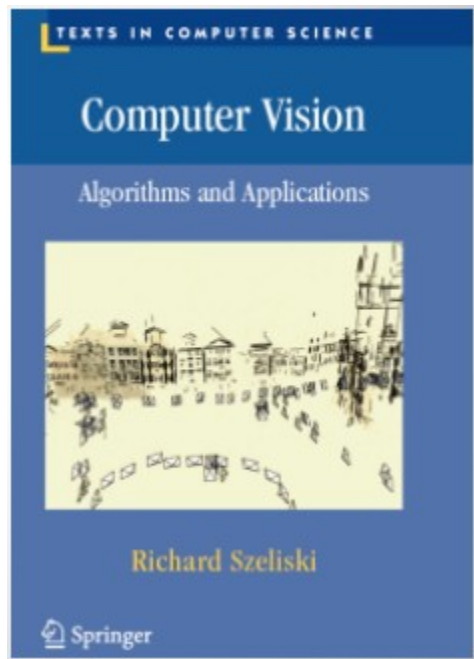## Room: 207
Consulting Hours: Mondays 3-5 pm (preferably by prior email)

Course Syllabus

Course Assessment Weightages (tentative)
Theory: 67%
• Quizzes: 10%
• Assignments: 10%
• OHT-1: 15%
• OHT-2: 15%
• End Semester Exam: 50%
Practical: 33%
• Labs Assignments: 70%
• Project : 30%

Course Assessment	
Exam:	2 One Hour Tests (OHT) and 1 End Semester Exam (ESE)
Home work:	3 Assignments
Lab Assignments:	12 Reports
Semester Project:	1 Report for the term/semester project
Quizzes:	4 - 5 Quizzes

Books (easily available online)

Course Goals

- **Introductory** level computer vision course
  - Image Filtering, edge detection (you should know this)
  - Interest point detection
  - Robust feature detection
  - Object detection
  - Segmentation
  - Image geometry, camera modeling.
  - Motion and optical flow
  - Deep learning for CV applications (basics)