

Course 02501

Image analysis, vision and computer graphics

Syllabus (pensumliste)
Fall 2004 (E04)

Reading

Carstensen, Jens Michael (Editor): Image analysis, vision, and computer graphics, 2. edition, DTU course note, Lyngby 2002.

Chapters 1, 2, 4, 5 (only sections 5.1-5,7), 6, 7, 8, 9, 10, 11, 12, 13, 15 (except section 15.5.2), App. B

Niblack, W.: An introduction to image processing, Prentice Hall, 1986.

Chapter 3.

Angel, E.: Interactive computer Graphics: A Top-Down Approach Using OpenGL, 3rd edition with companion OpenGL Primer.

1.5 - 1.7, 2.2.1 – 2.4.3, 2.6 – 2.7, 4.6 – 4.9, 5.1 – 5.10, 6.1-6.5, 6.7 – 6.10, 7.5 – 7.6
8.1 – 8.4.1, 8.8 – 8.9, 9.1 – 9.4, 10.1 – 10.10, 10.12, Exercise 02501-19-01

Note om automatisk måling i billeder og ortofoto bestående af:

Kopi af Toni Schenk. Digital Photogrammetry Vol. I. Siderne 233-271.

Kopi af Mikhail & Bethel. Introduction to Modern Photogrammetry. Siderne 234-238.

Note om billede og modeltriangulation, samt stråleudjævning bestående af:

Karl Kraus, Photogrammetry, Dümmler 1993. Siderne 276-277

Edward M. Mikhail, James S. Bethel, J. Chris McGlone, Modern Photogrammetry, John Wiley & Sons 2001. Siderne 115-125

Pocket calculator

You must bring your own pocket calculator for the exam.