

IMT5261 Selected topics in color imaging - 2013-2014

Course code:

IMT5261

Course name:

Selected topics in color imaging

Course level:

Master (syklus 2)

ECTS Credits:

5

Duration:

Autumn

Language of instruction:

English

On the basis of:

- IMT4801 Color Science
- IMT4811 Image processing and analysis

Expected learning outcomes:

On completion of the course, the students will

- Possess advanced knowledge within the broadly defined field of color imaging, including methodologies of capturing, processing, assessing, and reproducing color images; with particular emphasis on perceptual aspects
- Possess specialized insight and good understanding of the research frontier in selected parts of color imaging
- Be able to analyze existing theories, methods, and interpretations, and to challenge established knowledge and practice in the color imaging field
- Be able to critically review relevant literature of relevance to the selected topics in the field
- Be experienced in acquiring new knowledge and skills in a self-directed manner
- Be able to communicate academic issues, analysis, and conclusions, with peers and specialists in the field, in oral and written forms

Topic(s):

- An up-to-date selection of advanced research topics is done by the lecturer each year

Teaching Methods:

Lectures

Laboratory work

Meeting(s)/Seminar(s)

Tutoring

Teaching Methods (additional text):

- Some lectures by course responsible and guest lecturers
- Student presentations on selected topics
- Self-study

Form(s) of Assessment:

Oral exam, individually

Evaluation of Project(s)

Form(s) of Assessment (additional text):

- Oral presentation and report on a selected research topic, approved by lecturer. Includes critical analysis of previous works (counts 60%)
- Oral exam, individually (counts 40%)
- Each part must be individually approved of.

Grading Scale:

Alphabetical Scale, A(best) – F (fail)

External/internal examiner:

- Selected research topic: internal examiner
- Oral exam: two internal examiners

Re-sit examination:

One re-sit for the Oral re-examination may be offered for valid reasons only. Needs to have the presentation and report accepted to be allowed for the re-sit.

Tillatte hjelpemidler:**Examination support:**

Any printed and written notes and literature

Coursework Requirements:

- Presentations of two research papers assigned by the course responsible

Academic responsibility:

Faculty of Computer Science and Media Technology

Course responsibility:

Professor Jon Yngve Hardeberg

Teaching Materials:

Hand-outs and research papers

Replacement course for:

IMT5201

Additional information:

Preregistration in Fronter is necessary to ensure that the course is offered. The course will not run if less than five students have preregistered by August 20.

Publish:

Yes