IO2657 Photonics Laboratory, Photonics Extended Course 4.5 credits

Fotoniklaborationer, fotonik, utökad kurs

This is a translation of the Swedish, legally binding, course syllabus.

Establishment

Course syllabus for IO2657 valid from Autumn 2008

Grading scale

A, B, C, D, E, FX, F

Education cycle

Second cycle

Main field of study

Engineering Physics

Specific prerequisites

IO2655

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

After the course the students shall be able to build from scratch and in an independent manner set-ups for different photonic experiments and develop measurement methods for experimental evaluation of optical components and systems. This goal is both result oriented and possible to evaluate

Course contents

The course consists of a number of generic and broad lab projects. • The students build experiment set-ups from scratch.• The projects transcend individual courses and require knowledge from several previous courses. • The projects can act as starting points for thesis work for students in the Erasmus Mundus MSc in Photonics (EMMP) choosing thesis subjects with experimental emphasis since the course coincides with the intended start of the thesis project within EMMP at KTH

Course literature

Course literature will be announced together with the topics at the start of the course. Undervisningsspråk: Engelska

Examination

- INL1 - Report, 3.0 credits, grading scale: A, B, C, D, E, FX, F
- RED1 - Oral Presentation, 1.5 credits, grading scale: P, F

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

If the course is discontinued, students may request to be examined during the following two academic years.

Other requirements for final grade

- Project report- Oral project presentationgrades A-F will be applied

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.