FSK3892 Microwave Engineering, Advanced PhD Course 7.5 credits

Mikrovågsteknik, avancerad doktorandkurs

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

Establishment

Course syllabus for FSK3892 valid from Autumn 2018

Grading scale

G

Education cycle

Third cycle

Specific prerequisites

Enrolled as PhD student.

SK3893 or equivalent.

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 should be able to:

- solve microwave design problems from (or with the same level of difficulty as given at) the end of chosen chapters of the textbook "Microwave Engineering" by R.E. Collin.
- present and discuss results of microwave design problems in seminars.

Course contents

The course is a continuation of the basic PhD course SK3893 where the remaining parts of the textbook by Collin are treated. In this course the examination is in the form of home assignments which are presented at seminars.

Disposition

Seminars and home assignments.

Course literature

"Microwave Engineering" by R.E. Collin, from McGraw-Hill ISBN 0-07-112569-8 (2nd edition from 1992) or from Wiley-IEEE Press, ISBN: 0-7803-6031-1

Examination

- HEM1 - Home assignments, 7.5 credits, grading scale: G

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.

HEM1: Home-assignemnts, 7.5 credits, grading scale: P/F

Other requirements for final grade

Passed home assignments which are presented at seminars.

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.