



EN2600 Projektkurs i multimediasignalbehandling 12,0 hp

Project Course on Multimedia Signal Processing

När kurs inte längre ges har student möjlighet att examineras under ytterligare två läsår.

Fastställande

Kursplan för EN2600 gäller från och med VT10

Betygsskala

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

Utbildningsnivå

Avancerad nivå

Huvudområden

Särskild behörighet

För fristående kursstudent: 180 hp samt Engelska B eller motsvarande

Undervisningsspråk

Undervisningsspråk anges i kurstillfällesinformationen i kurs- och programkatalogen.

Lärandemål

A larger project is to be planned and carried out by a team of students. The result of the project is a software prototype, implemented in Matlab or C/C++. It will realize, for example, a complete video or audio coding system. The project is successfully completed by a presentation and demonstration. The detailed report will be published on the course Web page.

The student will collaborate in a team and solve a technical problem. He/She will apply the theoretical knowledge acquired in previous courses and build a working software prototype. At the end of the project, the student will document and present the work.

Kursinnehåll

A group of students will carry out a project with the goal to produce a software prototype before a certain deadline while satisfying given requirements. The prototype will realize, for example, a complete video or audio coding system. The group is responsible for splitting up the project into work items, creating a time table, and distributing the workload. There are several solutions to the given problems. During the course, the groups will face many practical problems that must be solved. An objective of this course is to give training in how to acquire knowledge in order to make good design choices. Thereby, the students will learn how to acquire the theoretical and practical knowledge needed to successfully complete the assigned project. The details for the accomplished project will be summarized in the final report, which will be published on the course Web site. The course concludes with an oral presentation and demonstration of the software prototype. The presentation and final report will have similar requirements than Master's seminar and thesis.

Examination

- PRO1 - Projekt, 12,0 hp, betygsskala: A, B, C, D, E, FX, F

Examinator beslutar, baserat på rekommendation från KTH:s handläggare av stöd till studenter med funktionsnedsättning, om eventuell anpassad examination för studenter med dokumenterad, varaktig funktionsnedsättning.

Examinator får medge annan examinationsform vid omexamination av enstaka studenter.

If the software prototype is successful, the final report with adequate analysis is well written, and all other deliverables are in good shape, then all members who have made significant contributions will receive the highest grade. If this is not the case, the achievements of the individual group members will be scrutinized. This can be done by examining the progress reports and other documents produced as well as from observations done during the course of the project.

Övriga krav för slutbetyg

Project (100%)

Etiskt förhållningssätt

- Vid grupparbete har alla i gruppen ansvar för gruppens arbete.

- Vid examination ska varje student ärligt redovisa hjälp som erhållits och källor som använts.
- Vid muntlig examination ska varje student kunna redogöra för hela uppgiften och hela lösningen.