

Call for participation

T-106.5550 Research Methods Research Methods in Engineering Education Research (5 cr/ECTS)

PhD course organized by Department of Computer Science and Engineering, Aalto University School of Science and Technology, Finland

Course objectives

The research methods course will concentrate on analyzing Engineering Education Research (EER) literature. EER will be interpreted in the course context in a broad sense, so that it includes not only educational research in technology education but also in nearby fields, like computing education, mathematics education, physics education and chemistry education, as well as educational technology.

The goal is to study, how the research has been carried out and how various research approaches have been applied. Specifically the course will seek answers to how the research questions have been formulated, what kind of research have been applied – how and why, what kind of results have been achieved and in which ways the results have been evaluated critically.

Based on this inquiry the participants will elaborate their own research plan.

Participants

The course is directed for doctoral level students and researchers working in the fields of engineering education. However, students from other fields of science and engineering may also find the course interesting and fit for their needs. Students close to graduating as MSc, for example, working with their MSc thesis project may also enroll. The course is beneficial especially to students who are starting their research projects.

At most 12 students are accepted, and in case of more people enrolling, preference is given to students working in engineering education research / educational technology.

Schedule

The course is organized in four intensive full working days interleaving with pre- and home assignments. Active lecture attendance is required. The intensive days will take place on February 19th, March 26th, April 23rd and May 21st.

Practicalities

Students from other Finnish universities are asked to apply for flexible study rights (JOO). For further information, see the course home page. The course is free of charge for students from other countries.

Registration and further questions

See course home page: <http://www.cs.hut.fi/Opinnot/T-106.5550/k2010/english.html>
Contact Lauri Malmi <Lauri.Malmi@tkk.fi> for further information.