

International project course in Automatic Control, FRT100 spring 2013

4,5 ects

As of 2013-01-10

Administration

Responsible for the course is associate professor Charlotta Johnsson (046-222 87 89) at the Department of Automatic Control. Teaching assistant is Christian Grussler (046-222 87 96). Secretary of the department is Eva Westin (046-222 87 87). Their offices are on the 2nd and 5th floor of the Mechanical Engineering building.

Prerequisites

Automatic Control, Basic Course, (FRT010)

Course

The course is given together with Technische Universität in Kaiserslautern, Germany. The aim of the course is to work together in an international environment, with a problem that has been formulated by an industrial company.

Course Material

The course material will vary depending on the problem-formulation. Some of the course material will be provided by the course responsible, and some of the material will consist of relevant books, articles, reports etc that the students find themselves.

Weekly meetings

There will be one fixed meeting per week. The first meeting will take place on **Wednesday 23/1-13 at 10-12** in the seminar room of Dept. of Automatic Control (2nd floor, M-building). We will then decide the weekly schedule (a time that fits all students).

In addition to the weekly meetings there will be group meetings arranged by the students.

Schedule

Study-Week	Date	Task	Comment
1	Wednesday 23/1 at 10-12.	Initial meeting	At this first meeting, the group should confirm the course schedule (dates, times etc), the group will also be informed about the visit of the German students.
2	January 28-feb 1	meeting	Work with the presentations for the German students
3	Feb 5 – Feb 8	Meetings with the German students	During these days, the German students are in Sweden. The task is to inform the Swedish students about the industrial problem. See separate schedule (to be determined)
4	February 11-15	Working with the project	Weekly meeting. Group work

5	February 18-22	Working with the project	Weekly meeting: Group work (Christian is travelling) (Charlotta is travelling)
6	Feb 25- mar 1	Working with the project	Weekly meeting: Group work
7	March 4 - 8	Visit in Germany	Tentative dates 6/3-8/3 2013. - 6/3: travel to Germany - 7/3: Prepare the presentation and the report. - 8/3: Presentation for the German company
8 (week of exams)	March 11-15	No exam	No activities
+1	March 18-22	Final meeting Hand in of report. Oral presentation in Sweden.	Final meeting: Friday March 15, 13.15-15.00 In this meeting we will summarize the course. The final report and the visit in Germany will be discussed. The final report should be handed in and an oral presentation should be made.

Language check

As part of the course text written by the students will undergo a language check (this activity should be confirmed). The language check is made on an individual basis, this means that each student writes some text (this could very well be text supposed to be included in the final report later on) and as part of this course, the text is sent for language check. The aim is to give the students a hint of where they most frequently make their errors. This is a very valuable knowledge, also after the course.

The text should be sent to Charlotta no later than Monday March 7/3. The length of the text should be ½ -1 page (300 words). Preferably, the text should be written for inclusion in the project report.

Exam

In order to pass the course a written project-report should be handed in (one report from the group). In addition to this an oral presentation should be performed in Sweden (approx 20 minutes). The group will travel to Germany for some final work with the German students. The Swedish and German students should, together, make a final-report and a presentation for the company that formulated the problem. The cost for travelling and lodging are covered by the course.

Requirements on the project-report

- English language should be used
- About X pages long
- The project problem and the solution should be described.
- References should be given when needed.

More information

Please see the course homepage

<http://www.control.lth.se/Education/EngineeringProgram/FRT100.html>

Contact information

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Swedish Students

Name	Program	Email and Cellphone number	Other info
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Erik Lind	E09	erik.lind.851@student.lu.se	
Daniel Stenberg	D06	dt06ds2@student.lth.se	

German Students

Name	Program	Email	Other info
Edwin Popp			
Jonas Leinweber			
Johannes Merseburg			
Sebastian Schulz			
Alexander Liesenfeld			
Oemer Olgun			
Ariane Schäfer			
Dimitrov Kolyo			