



Course syllabus

Faculty of Technology

Department of Computer Science and Media Technology

1ME326 Webbteknik 6, 7,5 högskolepoäng

1ME326 Web Technology 6, 7.5 credits

Main field of study

Media Technology

Subject Group

Media Production

Level of classification

First Level

Progression

G1F

Date of Ratification

Approved by Faculty of Technology 2016-05-30

The course syllabus is valid from spring semester 2017

Objectives

Upon completion of the course the student should be able to:

- Reflect on architectural problems in the production of webbased applications and databasedriven services
- construct databasedriven web applications that combine functionality from the server and client side
- compiling data transfer format that is readable on both the client and server side
- managing and designing databases for web applications
- work toward RESTbased web services

Content

The course consists of:

- Clientbased script programming
- Serverbased script programming
- Database management
- External APIs (Application Programming Interfaces) and web services

Type of Instruction

The teaching consists of lectures, laborations and seminars.

Examination

The course is assessed with the grades Fail (U), Pass (G) or Pass with Distinction (VG).

The examination consists of submission of mandatory handin assignments, practical tests and written exam. Publication of produced materials is presented via written reports and oral presentations.

Course Evaluation

During the course or in close connection to the course, a course evaluation is to be carried out. The result and analysis of the course evaluation are to be communicated to the students who have taken the course and to the students who are to participate in the course the next time it is offered. The course evaluation is carried out anonymously. The compiled report will be filed at the Faculty.

Required Reading and Additional Study Material

Nixon, R. (latest edition). Learning PHP, Mysql And Javascript : A StepByStep Guide To Creating Dynamic Websites. O'Reilly Media., appr. 500 pages.

Lockhart, J. (latest edition). Modern PHP : New Features and Good Practices. O'Reilly Media., appr. 300 pages.

Webbased material, corresponding to appr. 400 pages.