

## IMT2541 Web development - 2010-2011

**Course code:**

IMT2541

**Course name:**

Web development

**Course level:**

Bachelor (syklus 1)

**ECTS Credits:**

10

**Duration:**

Autumn

**Language of instruction:**

Norwegian

**Expected learning outcomes:**

The students should have experience with installation, customization and appearance of at least three different open source-based publishing solutions. They should be able to master and explain the basic server-side technology and independently be able to plan the development of a server side based site, user centered adaptation and create modules for publishing solutions and implement them.

**Topic(s):**

- Basic programming in PHP
- Introduction to databases (MySQL)
- Installation of publishing systems
- Layout, structure and appearance of publishing solutions
- Modules in publishing solutions
- Web servers and network

**Teaching Methods:**

Lectures

Group works

Laboratory work

Exercises

Project work

Tutoring

**Teaching Methods (additional text):**

The student must complete implementation, programming and customization of web solutions to achieve the set learning objectives.

**Form(s) of Assessment:**

Evaluation of Project(s)

**Form(s) of Assessment (additional text):**

- One individual with an oral presentation (counts 40%)
- One group project with an oral presentation and peer assessment of presentation section (counting a total of 60% of which peer assessment counts 20%)

Each part must be passed separately.

**Grading Scale:**

Alphabetical Scale, A(best) – F (fail)

**External/internal examiner:**

The projects will be graded by the teacher.

**Re-sit examination:**

No Re-sit examination.

**Tillatte hjelpemidler:****Examination support:**

It is free use of resources during the projects, but co-operation between individuals or groups are prohibited. The solution handed in must be unique and not show signs of being copied from other sources.

**Academic responsibility:**

Faculty of Computer Science and Media Technology

**Course responsibility:**

Høgskolelektor Monica Strand

**Teaching Materials:**

- Svend Andreas Horgen, Webprogrammering i PHP, 3. utgave, tisip og Gyldendal, 2009
- Web resources given during the course run

**Publish:**

Yes