

IMT3292 System Administration - 2014-2015

Course code:

IMT3292

Course name:

System Administration

Course level:

Bachelor (syklus 1)

ECTS Credits:

10

Duration:

Autumn

Language of instruction:

Norsk, alternativt engelsk

Expected learning outcomes:

Students who have passed this course should know by heart the concepts scalability, redundancy, security and policy-based system administration, and be able to

- administrate users, computers, networks and software
- plan and implement a simple, stable and scalable infrastructure and in such an infrastructure be able to
- detect and solve errors
- automate standard sysadm tasks
- manage basic security requirements
- document properly
- provide support to users and the organization

Topic(s):

- Perl programming
- Planning an infrastructure
- Installation and configuration of operating systems
- Installation and configuration of standard services (dns, mail, www)
- User administration
- Automating sysadm tasks
- Tuning and problem solving
- Monitoring
- Security

Teaching Methods:

Lectures

Group works

Laboratory work

Exercises

Project work

Form(s) of Assessment:

Other

Form(s) of Assessment (additional text):

An overall evaluation based on a 100 point scale, where mid-term exam counts 33 points, project work counts 34 points and final exam counts 33 points. Conversion from 100 point scale to A-F scale according to recommended conversion table. In specific circumstances, emneansvarlig can slightly adjust the limits in the conversion table to enforce compatibility with the qualitative descriptions on the A-F scale.

Grading Scale:

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

Tillatte hjelpemidler:**Coursework Requirements:**

None

Academic responsibility:

Faculty of Computer Science and Media Technology

Course responsibility:

Førsteamanuensis Erik Hjelmås

Teaching Materials:

To be announced.

Publish:

Yes