

IMT2261 Information Structures and Database Systems - 2013-2014

Course code:

IMT2261

Course name:

Information Structures and Database Systems

Course level:

Bachelor (syklus 1)

ECTS Credits:

10

Duration:

Autumn

Language of instruction:

Norwegian

Expected learning outcomes:

The course will give the students basic understanding of the theory and the practical use of modern databases. Further it will give the students knowledge and understanding of the use of XML and XML-related technologies.

Topic(s):

The structure of data, and SQL used to Define, Manipulate and Query
Conceptual, Logical and Physical design, Databasemodeling with EER-diagrams and 1. 2. og 3. Normal form
Client-Server, Security, Transactions and Concurrency Control
Document modelling with XML, DTD and Schema
Communication of data through XML
Using XSLT to transform XML documents

Teaching Methods:

Lectures
Laboratory work
Mandatory assignments

Form(s) of Assessment:

Written exam, 5 hours

Grading Scale:

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

Tillatte hjelpemidler:**Academic responsibility:**

Faculty of Computer Science and Media Technology

Course responsibility:

Høgskolelektor Harald Liødden

Teaching Materials:

- Databaser, Kjell Toft Hansen / Tore Mallaug, Tisip, utgave 2
- Beginning XML, Hunter m. fl. WROX, utgave 4

Publish:

Yes

Home page:

<http://www.hig.no/imt/in/emnesider/imt2261>