

Datalogi - Fagmodulkursus 2 - Modelling & knowledge management

Om kurset

uddannelse	Fagmodul i Datalogi
Kurstype	fagmodulkursus
Undervisningssprog	English
	Register through STADS Self-Service
Tilmelding	Registration will take place during the period November - November 15, 2017
	The course description is preliminary
Kursus starter	13-02-2017
Kursus slutter	24-04-2017
Undervisningstidspunkt	Mondays @ 13.15-17.00 during weeks 7-17 (no lecture on April 17 (week 16) due to Easter Holiday)
Undervisningssted	Kurset undervises i lokale 6.2-plenum
	Dog afvikles undervisningen i Glaspyramiden i uge 7 samt 16 og 17
	English at a level equivalent to the Danish gymnasium level B
forudsætninger	It is recommended that subject module course 1 is taken before or, at the latest, concurrently with subject module course 2
Kursusrækkefølge	Examples of how to structure your studies at Computer Science here
formål	§ 1. The aim of the Bachelor Subject module in Computer Science is to qualify the student in interdisciplinary development work, particularly in preparation for professional functions in software development, i.e. especially construction and analysis of software. The aim is to give general and valid qualifications at a scientific level. General terms and general understanding have a high priority and the student's ability to work in the field of computer science from a problem-solving and critical perspective is emphasised
Indhold	Data modelling and system development. More specifically: <ul style="list-style-type: none">• Modelling the application domain and software system

- Common design patterns
- Relational data model and databases
- Storing and managing information on the web
- System development and software project management concepts

Topics:

- System Development methodologies
- Project Management
- Models and Modeling of Problem Domain, IT system and Data
- Requirement Specification
- Object Oriented analysis and Design
- Design Patterns
- Relational Databases

Undervisningsform Lectures followed by exercises

The goal of the course is that the student acquires

Knowledge:

- Knowledge about data models and system development methods

Skills:

- bedømmelseskriterier
- Skills in using known data modelling techniques and languages
 - Skills in producing minor data models and implementing them in a database system

Competencies:

- Competencies in modelling a problem domain and corresponding information system
- Competencies in planning and executing a small project concerning data and knowledge management, from modelling user needs to evaluating the solution

Eksamensform An individual oral exam with a duration of 20 min. without preparation

Reksamensform As the ordinary exam

August 25 (Friday), 2017

You will be informed of details such as exact time and location later

June 13 (Tuesday), June 15 (Thursday) or June 16 (Friday), 2017

Eksamenstidspunkt

You will be informed of details such as exact time and location later

kursusform

The course is also available for students at Informatics

Aktivitetsansvarlig

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STADS fagmodulskursus

belastning : 5 ECTS

aktivitetskode : U25231

stamdata prøveform : mundtlig

bedømmelse : 7-trinsskala

censur : Intern censur