

Datalogi - Fagmodulkursus 2 - Modelling & knowledge management

Om kurset

uddannelse	Fagmodul i Datalogi
sted	43.2-29
Kurstype	fagmodulskursus
Undervisningssprog	English

Register through STADS Self-Service

Tilmelding	Questions regarding registration please contact course secretary Anja Kastrup Christiansen (anjake@ruc.dk)
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Registration will take place during the period May 1, 2015 - May 15, 2015

Kursus starter	14-09-2015
Kursus slutter	16-11-2015

Undervisningstidspunkt Mondays 13.00-17.15

forudsætninger	English at a level equivalent to the Danish gymnasium level B
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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:
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<http://www.ruc.dk/uddannelse/fag/datalogi/om-faget/fagets-opbygning-og-indhold/kurser-paa-fagmodulet/>

formål	<p>§ 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</p>
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Data modelling and system development. More specifically:

Indhold	<ul style="list-style-type: none">• Modelling the application domain and software system• Common design patterns
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- 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:

- 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

bedømmelseskriterier

Eksamenstidspunkt January 14 (thursday) and January 15 (friday) 2016
You will be informed of details such as exact time and location later

undervisningsmaterialer Applying UML and Patterns - An Introduction to Object-Oriented Analysis and Design and Iterative Development
Craig Larman
ISBN-13: 9780131489066

kursusform The course is also available for students at Informatics

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STADS fagmodulskursus
stamdata belastning : 5 ECTS aktivitetskode : U25231
prøveform : mundtlig bedømmelse : 7-trinsskala censur : Intern censur