Datalogi - Fagmodulkursus 2 - Modelling & knowledge management

Om kurset

uddannelse	Fagmodul i Datalogi
Kursustype	fagmodulskursus
Undervisningssprog	English
Tilmelding	Register through STADS Self-Service Registration will take place during the period May 1-15, 2016 Questions regarding registration please contact course secretary Anja Kastrup Christiansen (anjakc@ruc.dk)
Kursus starter	12-09-2016
Kursus slutter	14-11-2016
Undervisningstidspunkt	Mondays 13.15-17.15
Undervisningssted	6.2-plenum
forudsætninger	English at a level equivalent to the Danish gymnasium level B 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: http://www.ruc.dk/uddannelse/fag/datalogi/om-faget/fagets-opbygning-og-indhold/kurser-paa-fagmodulet/
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:** • 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:

● 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

bedømmelseskriterier	(see above)
Eksamensform	An individual oral exam with a duration of 20 min. without preparation
Reeksamensform	As the ordinary exam

February 22, 2017

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

| Eksamenstidspunkt | January 9 or June 10, 2017 |
| | You will be informed of details such as exact time and location later |

| kursusform | The course is also available for students at Informatics |

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