Bachelor course: Modelling and Knowledge Management (MKM)

Om kurset

uddannelse	Computer Science / Informatik
Kursustype	forelæsning
Undervisningssprog	English
Kursus starter	02-02-2014
Kursus slutter	30-04-2014
ECTS	7.5
Eksamensform	20 min. individual oral exam
Eksamenstidspunkt	June 2014

Evaluering

The excellent performance: The student demonstrates

- solid knowledge, insight and overview of the subject area;
- demonstrates solid description, competent application, and critical reflection with respect to the command and application of theories and methods;
- demonstrates certainty, conceptual accuracy, and independent and clear organization with respect to structuring and communication.

The good performance : The student demonstrates

- knowledge of and insight into the subject area;
- demonstrates clear description and relatively competent application with respect to the command and application of theories and methods;
- demonstrates clear presentation and organization with respect to structuring and communication.

The performance meeting the minimum requirements: The student demonstrates

- sufficient however limited knowledge of the subject area;
- demonstrates a sufficient account of command and application

form

Lectures and exercise

Indhold

The purpose of this course is to give the students core skills in modeling and implementing a smaller IT system with user interaction. Focus is on modeling of both data that the system should contain and on tasks that the system should be able to solve. Requirements are seen from a user perspective. Thus it is of key importance to understand the difference between reality and its representation in the system. The students will

firstly develop a model of an IT system and secondly build an IT system based on the model in a development environment. Finally they will obtain knowledge on the development process; how it is organized and managed.

Changes may accour.

Kursusdage	Mondays at 1.00 - 5.15 p.m. in the period from 10 February - 28 April 2014.
kursusform	For a normal lecture there is a number of chapters in the textbook as mandatory reading. Evaluation is based on participation in the course and a 3 hours written test.

After the course you will be able to:

- Plan and carry out development of an IT system by use of agile techniques.
- Create a data model and realize it in a simple database.
- Use different modelling techniques – relational, logic, UML and Object oriented
- Design, build and test a prototype
- Design, build and test a database with diverse objects.
- Discuss knowledge representation for a specific problem.
- Describe and use a systems development process.

mål

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Underviser	Tine Marbjerg (tmar@ruc.dk)

forelæsning

STADS aktivitetskode : U22893 /
stamdata U22910 / U25231

      prøveform : Intern / mundtlig   bedømmelse : 7-trinsskala   censur : Intern censur