Fagmodulkursus 3: Interactive digital systems

Om kurset

Subject	Fagmodul i Datalogi
Activitytype	subject module course
Teaching language	English
Registration	*Der sker løbende opdatering af informationer omkring aktiviteten frem til d. 30. maj, hvorfor der kan forekomme ændringer. Fra 1. juni kan du se den samlede og gældende beskrivelse/engelsk version.* Tilmelding sker via [stads selvbetjening](#) indenfor annonceret tilmeldingsperiode, som du kan se på [Studieadministrationens hjemmeside](#) Når du tilmelder dig kurset, skal du være opmærksom på, om der er sammenfald i tidspunktet for kursusafholdelse og eksamen med andre kurser, du har valgt. Uddannelsesplanlægningen tager udgangspunkt i, at det er muligt at gennemføre et anbefalet studieforløb uden overlap. Men omkring valgfrie elementer og studieplaner som går ud over de anbefalede studieforløb, kan der forekomme overlap, alt efter hvilke kurser du vælger. *The information about the activity will be continuously updated until 30 May, changes may occur. The final description will be available from 1 June* Registration is happing through [stads selvbetjening](#) within the announced registration period, as you can see on the [Studyadministration homepage](#) When registering for courses, please be aware of the potential conflicts between courses or exam dates on courses. The planning of course activities at Roskilde University is based on the recommended study programs which do not overlap. However, if you choose optional courses and/or study plans that goes beyond the recommended study programs, an overlap of lectures or exam dates may occur depending on which courses you choose.
Objectives description (assessment criteria)	The object of the course is to enable students to acquire: Knowledge: - Knowledge of technical concepts and application situations in interactive digital systems. - Understanding of the principles and application of the technologies underlying interactive digital systems. Skills: - Skills in programming techniques for developing interactive digital systems. - Skills in the use of tools and equipment for implementing programs. Competencies: - Competency to design and test solutions. - Competency to be able to grasp and reflect on different solution types.
Overall content	Technical concepts and application situations in interactive digital systems. More specifically: - Programming concepts for interactive systems (e.g. events, listeners). - Program development focusing on input processing (e.g. sensors, videos and audio) and output generation (e.g. actuators and graphical user interfaces). - Structure of hardware and software (e.g. various types of hardware components and properties of high-level versus low-level programming languages).
Teaching and working methods	Lectures and exercises.
Expected work effort (ects-declaration)	The course will have a total workload of 135 hours with 40 hours of lectures and exercises, 70 hours of preparation over an 11 week course period and 25 hours for the exam and preparation before the course.
Course material and reading list	Course material will be made available via the course Moodle page

Form of examination	Written/oral examination
	15-minute individual oral examination based on a written individual assignment and the syllabus. A combined assessment is given of the oral examination and the written assignment.
	The written assignment is based on a set problem, and must be between a minimum of 4,800 characters in all, including spaces, and a maximum of 48,000 characters in all, including spaces.
	The size specifications include the cover, table of contents, bibliography, figures and other illustrations, but exclude any appendices.
	Papers that fail to meet the size specifications will be refused assessment, and one examination attempt will be deemed to have been used up.
Form of re-examination	Re-examination takes the same form as the ordinary examination.
Examination type	Individual examination
Assessment	7-point grading scale
Moderation	Internal (i.e. course lecturer and an internal examiner assess)
Evaluation- and feedback forms	There will be feedback on exercises and assignments set during the course. An evaluation will take place at the end of the course
The responsible course lecturer	Niels Jørgensen (nielsj@ruc.dk)
Teacher	Mads Rosendahl(madsr@ruc.dk) Niels Jørgensen(nielsj@ruc.dk)
Administration of exams	IMT Studieadministration (imt-studieadministration@ruc.dk)

Kursusgange:

Hold: 1

DATA - Fagmodulkursus 3 - Interactive digital systems - Lesson 1

Tidspunkt	11-09-2018 13:15 til 11-09-2018 17:00
Forberedelsesnorm	Ikke valgt
Forberedelsesnorm d-vip	Ikke valgt
Sted	08.1-032 - teorilokale (80)

DATA - Fagmodulkursus 3 - Interactive digital systems - Lesson 2

Tidspunkt	18-09-2018 13:15 til 18-09-2018 17:00
Forberedelsesnorm	Ikke valgt
Forberedelsesnorm d-vip	Ikke valgt
Sted	08.1-032 - teorilokale (80)

DATA - Fagmodulkursus 3 - Interactive digital systems - Lesson 3

Tidspunkt	25-09-2018 13:15 til 25-09-2018 17:00
Forberedelsesnorm	Ikke valgt
Forberedelsesnorm d-vip	Ikke valgt
Sted	08.1-032 - teorilokale (80)

DATA - Fagmodulkursus 3 - Interactive digital systems - Lesson 4

Tidspunkt	02-10-2018 13:15 til 02-10-2018 17:00
Forberedelsesnorm	Ikke valgt
Forberedelsesnorm d-vip	Ikke valgt
Sted	08.1-032 - teorilokale (80)

DATA - Fagmodulkursus 3 - Interactive digital systems - Lesson 5

Tidspunkt	09-10-2018 13:15 til 09-10-2018 17:00
Forberedelsesnorm	Ikke valgt
Forberedelsesnorm d-vip	Ikke valgt
Sted	08.1-032 - teorilokale (80)

DATA: - Fagmodulkursus 3 - Interactive digital systems - Lesson 6

Tidspunkt	16-10-2018 13:15 til 16-10-2018 17:00
Forberedelsesnorm	Ikke valgt
Forberedelsesnorm d-vip	Ikke valgt
Sted	08.1-032 - teorilokale (80)

DATA:- Fagmodulkursus 3 - Interactive digital systems - Lesson 7

Tidspunkt	23-10-2018 13:15 til 23-10-2018 17:00
Forberedelsesnorm	Ikke valgt
Forberedelsesnorm d-vip	Ikke valgt
Sted	08.1-032 - teorilokale (80)

DATA - Fagmodulkursus 3 - Interactive digital systems - Lesson 8

Tidspunkt	30-10-2018 13:15 til 30-10-2018 17:00
Forberedelsesnorm	Ikke valgt

Forberedelsesnorm d-vip	Ikke valgt
Sted	08.1-032 - teorilokale (80)

DATA: - Fagmodulkursus 3 - Interactive digital systems - Lesson 9

Tidspunkt	06-11-2018 13:15 til 06-11-2018 17:00
Forberedelsesnorm	Ikke valgt
Forberedelsesnorm d-vip	Ikke valgt
Sted	08.1-032 - teorilokale (80)

DATA: - Fagmodulkursus 3 - Interactive digital systems - Lesson 10

Tidspunkt	13-11-2018 13:15 til 13-11-2018 17:00
Forberedelsesnorm	Ikke valgt
Forberedelsesnorm d-vip	Ikke valgt
Sted	08.1-032 - teorilokale (80)

DATA: - Fagmodulkursus 3 - Interactive digital systems - Submission of written assignment

Tidspunkt	26-11-2018 12:00 til 26-11-2018 12:00
Forberedelsesnorm	Ikke valgt
Forberedelsesnorm d-vip	Ikke valgt

DATA: - Fagmodulkursus 3 - Interactive digital systems - Oral Exam period

Tidspunkt	25-01-2019 08:15 til 28-01-2019 17:00
Forberedelsesnorm	Ikke valgt
Forberedelsesnorm d-vip	Ikke valgt
Sted	10.2-049 - teorirum (58)
Underviser	Mads Rosendahl (madsr@ruc.dk) Niels Jørgensen (nielsj@ruc.dk)

DATA: - Fagmodulkursus 3 - Interactive digital systems - Rexamination- re-submission

Tidspunkt	13-02-2019 12:00 til 13-02-2019 12:00
Forberedelsesnorm	Ikke valgt
Forberedelsesnorm d-vip	Ikke valgt

DATA: - Fagmodulkursus 3 - Interactive digital systems - Rexamination oral

Tidspunkt	19-02-2019 08:15 til 20-02-2019 17:00
Forberedelsesnorm	Ikke valgt
Forberedelsesnorm d-vip	Ikke valgt