Elective Course: Artificial Intelligence, Deep Learning

Title	Elective Course: Artificial Intelligence, Deep Learning
Semester	E2022
Master programme in	Datalogi / Informatik / Mathematical Computer Modelling / Computer Science / Digital Transformation
Type of activity	Course
Teaching language	English
Study regulation	Read about the Master Programme and find the Study Regulations at ruc.dk

REGISTRATION AND STUDY ADMINISTRATIVE

Registration	Sign up for study activities at STADS Online Student Service within the announced registration period, as you can see on the Study administration homepage. When signing up for study activities, please be aware of potential conflicts between study activities or exam dates. The planning of 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.
Number of participants	
ECTS	5
Responsible for the activity	Henning Christiansen (henning@ruc.dk)
Head of study	Henrik Bulskov (bulskov@ruc.dk)
Teachers	
Study administration	IMT Studyadministration (imt-studyadministration@ruc.dk)
Exam code(s)	U60466

ACADEMIC CONTENT

Overall objective	With an elective course, the student has the opportunity to specialize in a specific subject area where the student acquires knowledge, skills and competences in order to translate theories, methods and solutions ideas into their own practice in relation to software development. Examples of elective courses: Robotics, AI, internet technologies, programming language, parallel calculation, mobile computers, etc.

Detailed description of content	
Course material and Reading list	
Overall plan and expected work effort	
Format	
Evaluation and feedback	
Programme	

ASSESSMENT

Overall learning outcomes	After completing this course, students will be able to: • know and understand a specific subject area in computer science. • demonstrate knowledge and understanding of the area's techniques for designing and constructing software systems that meet specific requirements. • show knowledge and understanding of the general principles behind the subject area's theory, methods, and technological solutions. • work on computer science related issues, both independently and in teams, and proficient in new approaches to the subject area in a critical and systematic way and thereby independently take responsibility for one's own professional development.
Form of examination	Individual oral exam based on a written product The character limit of the written product is maximum 48,000 characters, including spaces. The character limits include the cover, table of contents, bibliography, figures and other illustrations, but exclude any appendices. Time allowed for exam including time used for assessment: 20 minutes. The assessment is an overall assessment of the written product(s) and the subsequent oral examination. Permitted support and preparation materials for the oral exam: All. Assessment: 7-point grading scale. Moderation: Internal co-assessor.
Form of Re-examination	Samme som ordinær eksamen / same form as ordinary exam
Type of examination in special cases	
Examination and	

assessment criteria	
Exam code(s)	Exam code(s) : U60466

Course days:

Hold: 1

Artificial Intelligence, Deep Learning (COMP)

time	12-09-2022 12:15 til 12-09-2022 16:00
location	10.1-025 - teorirum (32)
Teacher	Henning Christiansen (henning@ruc.dk)

Artificial Intelligence, Deep Learning (COMP)

time	19-09-2022 12:15 til 19-09-2022 16:00
location	10.1-025 - teorirum (32)
Teacher	Henning Christiansen (henning@ruc.dk)

Artificial Intelligence, Deep Learning (COMP)

time	26-09-2022 12:15 til 26-09-2022 16:00
location	10.1-025 - teorirum (32)
Teacher	Henning Christiansen (henning@ruc.dk)

Artificial Intelligence, Deep Learning (COMP)

time	03-10-2022 12:15 til 03-10-2022 16:00
forberedelsesnorm	ikke valgt
forberedelsesnorm D-VIP	ikke valgt

location	10.2-049 - teorirum (58)
Teacher	Henning Christiansen (henning@ruc.dk)

Artificial Intelligence, Deep Learning (COMP)

time	10-10-2022 12:15 til 10-10-2022 16:00
location	10.1-025 - teorirum (32)
Teacher	Henning Christiansen (henning@ruc.dk)

Artificial Intelligence, Deep Learning (COMP)

time	17-10-2022 12:15 til 17-10-2022 16:00
location	10.1-025 - teorirum (32)
Teacher	Henning Christiansen (henning@ruc.dk)

Artificial Intelligence, Deep Learning (COMP)

time	24-10-2022 12:15 til 24-10-2022 16:00
location	10.1-025 - teorirum (32)
Teacher	Henning Christiansen (henning@ruc.dk)

Artificial Intelligence, Deep Learning (COMP)

time	31-10-2022 12:15 til 31-10-2022 16:00
location	10.1-025 - teorirum (32)
Teacher	Henning Christiansen (henning@ruc.dk)

Artificial Intelligence, Deep Learning (COMP)

time	07-11-2022 12:15 til 07-11-2022 16:00
location	10.1-025 - teorirum (32)
Teacher	Henning Christiansen (henning@ruc.dk)

Artificial Intelligence, Deep Learning (COMP)

time	14-11-2022 12:15 til 14-11-2022 16:00
location	10.1-025 - teorirum (32)
Teacher	Henning Christiansen (henning@ruc.dk)

Artificial Intelligence, Deep Learning - Hand-in (COMP)

time	21-11-2022 10:00 til 21-11-2022 10:00
forberedelsesnorm	ikke valgt
forberedelsesnorm D-VIP	ikke valgt

Artificial Intelligence, Deep Learning - Oral examination (COMP)

time	10-01-2023 08:15 til 11-01-2023 18:00
forberedelsesnorm	ikke valgt
forberedelsesnorm D-VIP	ikke valgt
location	09.2-079 - grupperum (12)

Artificial Intelligence, Deep Learning - Reexam - Hand-in (COMP)

time	13-02-2023 10:00 til 13-02-2023 10:00
forberedelsesnorm	ikke valgt
forberedelsesnorm D-VIP	ikke valgt

Artificial Intelligence, Deep Learning - Oral reexamination (COMP)

time	20-02-2023 13:00 til 20-02-2023 15:00
forberedelsesnorm	ikke valgt
forberedelsesnorm D-VIP	ikke valgt

location	09.2-063 - grupperum (12)