

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.
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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

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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)