GIS and Visualisation

About the course

subject	Geografi / Teksam / Miljørisiko / Spatial Designs and Society
activitytype	master course
Teaching language	English
Registration	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. Registration through STADS-Selvbetjeningwithin 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.
Administration of exams	IMT Studieadministration (imt-studieadministration@ruc.dk)
Responsible for the activity	Thomas Theis Nielsen (nielsentt@ruc.dk)
ECTS	5
Learning outcomes and assessment criteria	• Knowledge: • Knowledge of principles behind visualization of spatial data • Knowledge of basic spatial operations • Knowledge of principles for representation of spatial information • Knowledge of management-relevant data sets and their limitations • Skills: • Apply the knowledge of principles for spatial data visualization to produce relevant visualizations. • Apply the knowledge of basic spatial operations to plan and perform spatial analysis. • Apply the knowledge of management-relevant data sets and principles of spatial data representation to determine the necessity of preforming an independent data collection and the principles hereof. • Deconstruct solutions to spatial problems into relevant spatial operations • Apply and pass on acquired knowledge aimed at developing future work life • Competences: • The competence to act as the primarily responsible for the use of spatial analysis tools including GIS in both study and work contexts • The competence to concretize and translate non-expertly expressed wishes for spatial analysis into feasible spatial operations. • Make a critical assessment of the use of spatial technologies in relation to given issues
Overall content	The course aims to give the students the necessary knowledge, skills and competencies to be the primary responsible for collecting, analysing and disseminating spatial data in both study and work contexts. This includes the ability to translate for instance policy formulated visions to concrete operations. It is also envisaged that the student should be able to reflect critically to the use of spatial data analysis and their relevance to specific issues.
Prerequisites for participation in the exam	The students must participate in 2 of 3 rounds of pergrading of exercises.

Teaching and working methods	The course consists of a series of lectures with associated lab sessions. It is expected that the students participate in the lab sessions
Type of activity	Elective course
Form of examination (p1)	Individual written take-home assignment given by the lecturer. The character limit of the assignment is: maximum 1.200 characters, including spaces. The character limit includes the cover, table of contents, bibliography, figures and other illustrations, but exclude any appendices. The duration of the take-home assignment is 7 days and may include weekends and public holidays. Assessment: 7-point grading scale.
Form of Re-examination (p1)	Samme som ordinær eksamen
Exam code(s)	Exam code(s) : U40824 / U40917

Course days:

Hold: 1

GIS Visualization (GEO)

time	08-09-2020 08:15 til 08-09-2020 12:00
location	02.1-203 - gis 1 (27)
Teacher	Esbern Holmes (holmes@ruc.dk)

GIS Visualization (GEO)

time	15-09-2020 08:15 til 15-09-2020 12:00
location	02.1-203 - gis 1 (27)
Teacher	Esbern Holmes (holmes@ruc.dk)

GIS Visualization (GEO)

time	06-10-2020 08:15 til 06-10-2020 12:00
location	02.1-203 - gis 1 (27)
Teacher	Esbern Holmes (holmes@ruc.dk)

GIS Visualization (GEO)

time 13-10-2020 08:15 til
13-10-2020 12:00

location 02.1-203 - gis 1 (27)

Teacher Esbern Holmes (holmes@ruc.dk)

GIS Visualization (GEO)

time 20-10-2020 08:15 til
20-10-2020 12:00

location 02.1-203 - gis 1 (27)

Teacher Esbern Holmes (holmes@ruc.dk)

GIS Visualization (GEO)

time 27-10-2020 08:15 til
27-10-2020 12:00

location 02.1-203 - gis 1 (27)

Teacher Esbern Holmes (holmes@ruc.dk)

GIS Visualization (GEO)

time 03-11-2020 08:15 til
03-11-2020 12:00

location 02.1-203 - gis 1 (27)

Teacher Esbern Holmes (holmes@ruc.dk)

GIS Visualization (GEO)

time 24-11-2020 08:15 til
24-11-2020 12:00

location 02.1-203 - gis 1 (27)

Teacher Esbern Holmes (holmes@ruc.dk)

GIS Visualization (GEO)

time 01-12-2020 08:15 til
01-12-2020 12:00

location 02.1-203 - gis 1 (27)

Teacher Esbern Holmes (holmes@ruc.dk)

GIS Visualization (GEO)

time	08-12-2020 08:15 til 08-12-2020 12:00
location	02.1-203 - gis 1 (27)
Teacher	Esbern Holmes (holmes@ruc.dk)

GIS Visualization - Written exam (GEO)

time	26-01-2021 10:00 til 02-02-2021 10:00
forberedelsesnorm	ikke valgt
forberedelsesnorm D-VIP	ikke valgt

GIS Visualization - Written re-exam (GEO)

time	19-02-2021 10:00 til 26-02-2021 10:00
forberedelsesnorm	ikke valgt
forberedelsesnorm D-VIP	ikke valgt