

GIS and Visualisation

Title	GIS and Visualisation
Semester	F2023
Master programme in	Nordic Urban Planning Studies
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	Esbern Holmes (holmes@ruc.dk) Lasse Martin Koefoed (lmartin@ruc.dk)
Head of study	Lasse Martin Koefoed (lmartin@ruc.dk)
Teachers	
Study administration	IMT Registration & Exams (imt-exams@ruc.dk)
Exam code(s)	U60327

ACADEMIC CONTENT

Overall objective	The course aims to give students the necessary knowledge, skills and competencies to collect, analyse and disseminate spatial data in both study and work contexts. This includes the ability to translate policy formulated visions to concrete operations. Students should be able to reflect critically to the use of spatial data analysis and their relevance to specific planning issues and problems.
-------------------	--

Detailed description of content	<p>The course aims to give students the necessary knowledge, skills and competencies to collect, analyse and disseminate spatial data in both study and work contexts. This includes the ability to translate policy formulated visions to concrete operations. Students should be able to reflect critically to the use of spatial data analysis and their relevance to specific planning issues and problems.</p> <p>The course... udfold ovenstående i kort afsnit</p>
Course material and Reading list	<p>Hvis du har 1-2 nøglereferencer</p> <p>Syllabus is emerging</p> <p>Fill out</p> <ul style="list-style-type: none"> • Syllabus: Literature/materials, if applicable • Possibility for students to design their own syllabus, plus any requirements (number of pages, types of literature (i.e. academic, primary/secondary, regulative/legal), eras, languages, etc. , and the procedure for approval of the student's own syllabus. <p>Note here if a syllabus is emerging, co-created with students, or negotiated.</p>
Overall plan and expected work effort	<p>Preparation for lecture (10 * 4h) : 40h • Lecture (10 * 2h) : 20h • Workshop after lectures (10 * 2h) : 20h • Giving feedback (Peer grading 3 * 2h) : 6h • Exam (49h) : 49h • In Total : 135 h</p>
Format	<p>The activities take place at campus</p>
Evaluation and feedback	<p>Evaluation is via an anonymous online survey distributed to all participants. The course will also be discussed with participants in the final session and reviewed at the NUPS Education Committee with input from student representative</p>
Programme	<p>Fill out</p> <p>Note: first time to be filled out will be the spring of 2022</p> <p>Programme with headings, dates and other relevant programme details: - Meetings - Group formation - Exercises and tests - Mid term evaluations - Hand-in dates - Feedback and assessments - Evaluations</p>
ASSESSMENT	
Overall learning outcomes	<p>By the end of this course, students should be able to:</p> <ul style="list-style-type: none"> • Understand the principles behind the visualization and representation of spatial data, and show knowledge of their basic spatial operations • Apply knowledge from the course to plan and perform spatial analysis, and to produce relevant visualizations • Use spatial analysis tools that include GIS in both study and work contexts • Make a critical assessment of the use of spatial technologies in relation to urban planning issues.

Form of examination	<p>Individual written take-home assignment</p> <p>The character limit of the assignment is: maximum 12,000 characters, including spaces. The character limit includes the cover, table of contents, bibliography, figures and other illustrations, but exclude any appendices.</p> <p>The duration of the take-home assignment is 7 days and may include weekends and public holidays.</p> <p>Assessment: 7-point grading scale.</p>
Form of Re-examination	Samme som ordinær eksamen / same form as ordinary exam
Type of examination in special cases	
Examination and assessment criteria	<p>Individual written take-home assignment. The character limit of the assignment is: maximum 12,000 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.</p> <p>Assessment: 7-point grading scale.</p> <p>Assessment criteria</p> <p>Write 4-10 assessment criteria that - Are based on the activity's learning outcomes - further explicated if needed - Covers what is assessed - Are distinctly different - Are separate for the elements of the assessment (written/oral, report/product) - there may be overlapping criteria - Do not add criteria outside the stated learning outcomes - May omit certain learning goals, if difficult to assess - May be weighted for one or more criteria if desired by the teacher (i.e. "spelling and formulation in the project report/thesis weighs 5/10/15% in the assessment")</p> <p>An introductory statement is:</p> <p>It will be assessed to which degree the student demonstrates</p> <ul style="list-style-type: none"> • The ability to deconstruct solutions to spatial problems into relevant spatial operations based on the specified case • The ability to perform and document relevant spatial operations • The ability to make a critical assessment of the use of spatial technologies in relation to the specified case • The ability to design relevant visualizations of the specified case and target audience • The ability to use GIS to produce visualizations relevant to the specified case and target audience <p>And whether the exam fulfills all formal requirements."</p>
Exam code(s)	Exam code(s) : U60327

Course days:

Hold: 1

GIS and Visualisation (NUPS)

time	07-02-2023 12:15 til 07-02-2023 16:00
forberedelsesnorm	ikke valgt
forberedelsesnorm D-VIP	ikke valgt
location	02.1-095 - kort og sten-salen (60)
Teacher	Esbern Holmes (holmes@ruc.dk)

GIS and Visualisation (NUPS)

time	09-02-2023 12:15 til 09-02-2023 16:00
location	02.1-203 - gis 1 (27)
Teacher	Esbern Holmes (holmes@ruc.dk)

GIS and Visualisation (NUPS)

time	14-02-2023 12:15 til 14-02-2023 16:00
forberedelsesnorm	ikke valgt
forberedelsesnorm D-VIP	ikke valgt
location	02.1-095 - kort og sten-salen (60)
Teacher	Esbern Holmes (holmes@ruc.dk)

GIS and Visualisation (NUPS)

time	16-02-2023 12:15 til 16-02-2023 16:00
location	02.1-203 - gis 1 (27)
Teacher	Esbern Holmes (holmes@ruc.dk)

GIS and Visualisation (NUPS)

time 14-03-2023 12:15 til
14-03-2023 16:00

location 02.1-203 - gis 1 (27)

Teacher Esbern Holmes (holmes@ruc.dk)

GIS and Visualisation (NUPS)

time 16-03-2023 12:15 til
16-03-2023 16:00

location 02.1-203 - gis 1 (27)

Teacher Esbern Holmes (holmes@ruc.dk)

GIS and Visualisation (NUPS)

time 21-03-2023 12:15 til
21-03-2023 16:00

location 02.1-203 - gis 1 (27)

Teacher Esbern Holmes (holmes@ruc.dk)

GIS and Visualisation (NUPS)

time 23-03-2023 12:15 til
23-03-2023 16:00

location 02.1-203 - gis 1 (27)

Teacher Esbern Holmes (holmes@ruc.dk)

GIS and Visualisation (NUPS)

time 28-03-2023 12:15 til
28-03-2023 16:00

location 02.1-203 - gis 1 (27)

Teacher Esbern Holmes (holmes@ruc.dk)

GIS and Visualisation (NUPS)

time 30-03-2023 12:15 til
30-03-2023 16:00

location 02.1-203 - gis 1 (27)

Teacher Esbern Holmes (holmes@ruc.dk)

GIS and Visualisation - Written examination (NUPS)

time 09-06-2023 10:00 til
16-06-2023 10:00

forberedelsesnorm ikke valgt

forberedelsesnorm D-VIP ikke valgt

GIS and Visualisation - Written reexamination (NUPS)

time 14-08-2023 10:00 til
21-08-2023 10:00

forberedelsesnorm ikke valgt

forberedelsesnorm D-VIP ikke valgt