SENSORVEILEDNING
Emnekode og semester-år: HGO4940_S2020

Eksamensordning: emneoppgave selvvalgt tema

Om eksamen ved SGO/HGO: En god besvarelse inneholder solid kunnskap, logisk argumentasjon og ryddig disposisjon. Besvarelsen av en drøftingsoppgave skal være diskuterende, analytisk og koble ulike deler av pensum. 1. Besvarelsen svarer på oppgaveteksten på en presis og utfyllende måte. 2. Besvarelsen viser kunnskap. 3. Besvarelsen skal være velskrevet: sammenhengende med godt akademisk språk. 4. Viktige begreper - de som er i kjernen av besvarelsen – skal defineres. 5. Besvarelsen skal vise analytiske evne og refleksjon.

About this course: The students will learn about the fundamental components of a GIS, from the user and software side to the particular methods used to obtain information from spatial data. More specifically, this involves buffers and overlays, network analysis, GIS-based multicriteria assessment, spatial dependency and autocorrelation, spatial clustering and spatial regression methods.

About the individual project: Instructions given to the students in advance of the project…

- **Purpose**: integrate what you have learned in GIS lectures and labs through practical experience. Working individually, you will address a "spatial problem", possibly relevant to your MA thesis through the collection, mapping and analysis of data, presented in a concise professional report. Not just mapping: Analysing, integrating a wider range of knowledge obtained from the course. Include data collection, georeferencing, analyses, cartography. Provide theoretical justifications for choosing approach, data and methods.
- **Length:** Maximum 6000 words, including the reference list, tables (these count as text) and figures (count as 300 words each).
- **Contents:** Report should contain the following contents, although not necessarily all in a separate paragraph (some elements can be combined) and not necessarily in this order:
    - Introduction that includes scientific and societal relevance, a literature review, objectives and RQs
    - Data and study area
    - Description and justification of methods
    - Results (and discussion)
    - Reflection on data/methodological shortcomings, error and uncertainty
    - Conclusion (and discussion)
    - References
- **What standard is expected:**
    - A report on MA level: clear structure, systematic approach, thorough referencing, justification
    - Be self critical and reflective
    - Use the course literature actively to discuss especially your data and methods –
    - Do something that is unique to GIS
    - Make sure you do not have to rush things last minute
    - Be coherent and focused on how you use concepts
    - Argue why you made your choices, and reflect on possible limitations of your choices