

Ny struktur på metodeportefølje ved ISS

Høstsemester:

SOSGEO4000 (10 credits) Introduction to advanced research methods

SOSGEO4013 (5 credits) Analytical strategies in qualitative research

SOSGEO4021 (5 credits) Applied quantitative data analysis

Vårsemester:

SOSGEO4011 (5 credits) Desk-based qualitative methods

SOSGEO4012 (5 credits) Interactive qualitative methods

SOSGEO4022 (5 credits) Advanced regression models

SOSGEO4023 (5 credits) Advanced spatial analysis

SOSGEO4000 Introduction to advanced research methods

Course content

This course provides an advanced introduction to central approaches within qualitative and quantitative methods. A distinction is made between empirical documentation, exploratory analysis, theory testing, causality and interpretative approaches. The course covers research design, types of data, research ethics, and reporting research results.

The course gives you a broad foundation in central methodological issues. The aim is to provide a basis for understanding key methodological principles and will enable you to assess the viability of different methods in published research and in your own project.

Learning outcomes

Knowledge objectives

Throughout this course, you will acquire in-depth knowledge about

- different types of research design and their characteristics, including exploratory, documenting, theory-testing, causal, interpretive and participatory designs
- selection criteria and generalisability in different methodological traditions
- ethical issues related to research practices and methodological choices
- evaluation of research quality and criteria for evaluating qualitative and quantitative methods

Skill objectives

Throughout this course, you will learn how to

- reflect on methodological choices in research projects
- develop good research questions
- develop and evaluate hypotheses in research designs
- prepare and refine case studies and comparative designs
- demonstrate ethical awareness in research processes
- develop good data management practices
- design different kinds of research projects
- present your methodological choices in written reports
- process data using suitable software

General competence

This course will enable you to

- develop an advanced methodological understanding which will allow you to develop your own research project
- devise and apply different research designs
- evaluate and assess research quality in your own research and in published research

Admission

Admission to the course is dependent on admission to a master's degree programme at the Department of Sociology and Human Geography.

The course is open to master specialisation in didactics for social science in the Teacher Education Programme (Lektorprogrammet) - please see the link for information regarding admission.

Overlap

5 credits overlap with HGO4010, SOS4010 and SOS4020.

Teaching

The course consists of lectures and seminars.

Examination

The examination is a 4 hour school exam.

Language

The examination text is given in English. You may submit your response in Norwegian, Swedish, Danish or English.

Grading scale

Grades are awarded on a scale from A to F, where A is the best grade and F is a fail. Read more about [the grading system](#).

SOSGEO4010 Desk-based qualitative methods

Course content

In this course, you will learn how to collect and analyse qualitative data through various desk-based strategies. The course spans various data sources, both textual and visual, and allows you to get an overview of a variety of research traditions and learn their methodological justification. The course will offer you practical experience with the collection and analysis of different forms of text, from policy documents and archives, to advertising imagery, maps and web pages.

Learning outcome

Knowledge objectives

Throughout this course, you will acquire in-depth knowledge about

- the generation and analysis of text-based, visual and digital qualitative data
- important qualitative research traditions, including document analysis, archival research, digital ethnography, visual methods and qualitative use of geographic information systems (GIS)
- visual data sources such as images, video, maps, and web pages and their application in qualitative research
- the methodological underpinnings of studying digital, visual and spatial data

Skill objectives

Throughout this course, you will learn how to

- collect or generate digital, textual and visual data from online sources and archives
- use software and artificial intelligence in the processing of digital, textual and visual sources
- report digital, textual and visual data in credible ways in research publications

General competence

This course will enable you to

- develop an experience-based and methodologically qualified understanding of how to study digital, visual and spatial data
- design and carry out digital and desk-based qualitative research projects

Admission

Admission to the course is dependent on admission to a master's degree programme at the Department of Sociology and Human Geography.

The course is open to master specialisation in didactics for social science in the Teacher Education Programme (Lektorprogrammet) - please see the link for information regarding admission.

Obligatorisk forkunnskapskrav
SOSGEO4000

Overlap
2 credits overlap with HGO4010

Teaching
The course consists of lectures and seminars.

Examination
Portfolio assessment.

Language
The examination text is given in English. You may submit your response in Norwegian, Swedish, Danish or English.

Grading scale
Grades are awarded on a pass/fail scale. Read more about [the grading system](#).

SOSGEO4011 Interactive qualitative methods

Course content

In this course, you will get in-depth training in how to use conversations and human interaction as research data. Different interview forms and ethnographic traditions will be presented, and you will learn how to justify your data collection strategies methodologically, whether you are interviewing elite individuals in your own city or going on fieldwork in a different cultural setting. The course focuses on techniques for generating rich data sets and maintaining a critically reflexive approach to your own role as an interactive researcher.

Learning outcome

Knowledge objectives

Throughout this course, you will acquire in-depth knowledge about

- conversations and interactions between people as data sources in qualitative research
- different qualitative research formats, including interviews, focus groups, observation and fieldwork
- the methodological underpinnings of conversational and observational data

Skill objectives

Throughout this course, you will learn how to

- practically conduct interviews, focus groups, and participant observation
- develop interview guides using different question types and probing strategies
- moderate focus groups and employ suitable elicitation techniques
- develop combinations of interactive methods and experiment with established forms, such as participatory mapping and walkalongs
- carry out data collection in a cross-cultural context
- produce field notes and how to use them in research
- generate and use transcriptions of qualitative data, with and without digital software and artificial intelligence
- report conversational and observational data in credible ways in research publications and in oral presentations

General competence

Throughout this course you will

- develop an experience-based and methodologically qualified understanding of how to study conversations and human interaction

- develop an awareness of your own role as an interviewer, moderator or observer
- become able to collaborate in cross-cultural research environments and projects

Admission

Admission to the course is dependent on admission to a master's degree programme at the Department of Sociology and Human Geography.

The course is open to master specialisation in didactics for social science in the Teacher Education Programme (Lektorprogrammet) - please see the link for information regarding admission.

Obligatorisk forkunnskapskrav

SOSGEO4000

Overlap

3 credits overlap with HGO4010

Teaching

The course consists of lectures and seminars.

Examination

Portfolio assessment.

Language

The examination text is given in English. You may submit your response in Norwegian, Swedish, Danish or English.

Grading scale

Grades are awarded on a pass/fail scale. Read more about [the grading system](#).

SOSGEO4012 Analytical strategies in qualitative research

Course content

In this course you will learn different strategies for qualitative analysis and understand their methodological justification as well as how they are applied in practice. On the one hand, the course gives you an overview of different influential traditions for analysing qualitative data and the intellectual traditions in which these are placed. On the other hand, you will be given the opportunity to acquire in-depth, practical experience with selected strategies through in-class exercises.

Learning outcome

Knowledge objectives

Throughout this course, you will acquire in-depth knowledge about

- different analysis strategies such as narrative analysis, thematic analysis, discourse analysis and process tracing as well as their procedures for implementation
- the theoretical justification and analytical traditions of the same strategies

Skill objectives

Throughout this course, you will learn how to

- basic principles for coding qualitative data
- process qualitative data in line with a chosen analysis strategy
- convey your own interpretations using a chosen analysis strategy
- document and justify your analytical process in research publications

General competence

This course will enable you to

- evaluate an analytical process as it presented by yourself or in published research
- systematize and interpret meaning in qualitative data across different research contexts

Admission

Admission to the course is dependent on admission to a master's degree programme at the Department of Sociology and Human Geography.

The course is open to master specialisation in didactics for social science in the Teacher Education Programme (Lektorprogrammet) - please see the link for information regarding admission.

Obligatorisk forkunnskapskrav

SOSGEO4000

Overlap

None

Teaching

The course consists of lectures and seminars.

Examination

Portfolio assessment.

Language

The examination text is given in English. You may submit your response in Norwegian, Swedish, Danish or English.

Grading scale

Grades are awarded on a pass/fail scale. Read more about [the grading system](#).

SOSGEO4021 Applied quantitative data analysis

Course content

The course will enable you to carry out quantitative analysis using survey data or other available data, and be able to present the results in a credible manner. The course consists of three components of equal importance: 1) survey methodology, 2) analysis of available statistical data, and 3) advanced data analysis with regression.

Learning outcome

Knowledge objectives

Throughout this course, you will acquire in-depth knowledge about

- basic survey methodology
- Using official statistics and other available data sources)
- sample theory, stratification and weighting of survey data

Skill objectives

Throughout this course, you will learn how to

- create questionnaires
- conduct a survey using using online forms
- analyzing other available existing data
- handle data using statistical software, apply linear regression models, and present results

General competence

This course will enable you to

- carry out an independent analysis of existing datasets
- complete a questionnaire survey
- know the principles of vignette experiments

Admission

Admission to the course is dependent on admission to a master's degree programme at the Department of Sociology and Human Geography.

The course is open to master specialisation in didactics for social science in the Teacher Education Programme (Lektorprogrammet) - please see the link for information regarding admission.

Obligatorisk forkunnskapskrav

SOSGEO4000

Overlap

None

Teaching

The course consists of lectures and seminars.

Examination

Portfolio assessment.

Language

The examination text is given in English. You may submit your response in Norwegian, Swedish, Danish or English.

Grading scale

Grades are awarded on a pass/fail scale. Read more about [the grading system](#).

SOSGEO4022 Advanced regression analysis

Course content

This course focuses on advanced regression analysis. This encompasses the usage of non-linear models (e.g. logistic regression), panel regressions (e.g. fixed-effects models), and a broad class of methods associated with causal research designs (e.g. difference-in-differences and regression discontinuity). The course also introduces spatial regression models suitable when units are not spatially independent.

Learning outcome

Knowledge objectives

Throughout this course, you will acquire in-depth knowledge about

- regression analytic models for independent and correlated data
- analytical strategies for quantitative data

Skill objectives

Throughout this course, you will learn how to

- conduct multiple linear regressions: including interaction with categorical and continuous variables, polynomials and other transformations, and piecewise splines
- analyse correlated data, including panel-, clustered- and spatial data: a) fixed effects, b) hierarchical models, c) spatial error and spatial lag models
- develop causal models: DiD and RD

General competence

This course will enable you to

- conduct quantitative analysis of a high standard and present it in written form

Admission

Admission to the course is dependent on admission to a master's degree programme at the Department of Sociology and Human Geography.

The course is open to master specialisation in didactics for social science in the Teacher Education Programme (Lektorprogrammet) - please see the link for information regarding admission.

Obligatorisk forkunnskapskrav

SOSGEO4000

Overlap

5 credits overlap with SOS4020

Teaching

The course consists of lectures and seminars.

Examination

Portfolio assessment.

Language

The examination text is given in English. You may submit your response in Norwegian, Swedish, Danish or English.

Grading scale

Grades are awarded on a pass/fail scale. Read more about [the grading system](#).

SOSGEO4023 Advanced spatial analysis

Course content

Most social outcomes and phenomena happen somewhere. In this course, you will learn the skills and knowledge necessary to analyse spatial data in the social sciences. The course focuses on spatial methods and the use of Geographic Information Systems (GIS) to study socio-spatial processes. Through lectures and practical exercises, students will engage with diverse spatial datasets, methodologies, and analytical tools. The course covers spatial data collection and visualization, as well as techniques for measuring and modelling spatial spillover effects, diffusion, and spatial autocorrelation. Additionally, students will be introduced to advanced quantitative spatial analysis techniques, including spatial network analysis, spatial regression models, and cluster detection.

Learning outcome

Knowledge objectives

Throughout this course, you will acquire in-depth knowledge about

- Understand the unique characteristics of spatial data and their implications for analysis.
- Learn how to collect, manage, and process spatial data from diverse sources.
- Develop an understanding of spatial visualization techniques and cartographic principles.
- Gain an in-depth understanding of advanced spatial analytical methods, including spatial regression, cluster detection, and network analysis.

Skill objectives

Throughout this course, you will learn how to

- Use GIS and statistical software to analyze spatial data.
- Apply spatial analysis methods in research projects.
- Critically evaluate spatial analysis results and their sources of uncertainty.
- Integrate spatial data with non-spatial datasets for comprehensive analysis.

General competence

This course will enable you to

- Complete a research project where GIS will be used to study socio-spatial phenomena.
- Import and analyze spatial data in the social sciences.
- Communicate spatial analysis findings effectively using maps.

- Critically assess the strengths and limitations of spatial methods in different research contexts.

Admission

Admission to the course is dependent on admission to a master's degree programme at the Department of Sociology and Human Geography.

The course is open to master specialisation in didactics for social science in the Teacher Education Programme (Lektorprogrammet) - please see the link for information regarding admission.

Obligatorisk forkunnskapskrav

SOSGEO4000

Overlap

5 credits overlap with HGO4941

Teaching

The course consists of lectures and seminars.

Examination

Portfolio assessment.

Language

The examination text is given in English. You may submit your response in Norwegian, Swedish, Danish or English.

Grading scale

Grades are awarded on a pass/fail scale. Read more about the grading system.

