

MASTER OF PHILOSOPHY IN DEVELOPMENT STUDIES, SPECIALISING IN GEOGRAPHY

Approved by the Board at NTNU 16.12.2002, with changes made by the Faculty of Social Sciences and Technology Management 14.01.2011.

INTRODUCTION

The Master in Development Studies, specialising in Geography, is a programme designed for students who want to specialise in development studies and social change. The degree is awarded by the Faculty of Social Sciences and Technology Management at NTNU and administered by the Department of Geography. It is an interdisciplinary degree that is relevant for students with backgrounds in different social sciences and development studies. The programme is relevant for a variety of jobs, including research, planning, resource management, and teaching. Through the *M. Phil programme in Development studies, specialising in geography*, students should:

- Gain a thorough understanding of key concepts and theories within the field of development studies and geography
- Acquire robust/suitable methodological and analytical skills
- Be able to identify and formulate relevant and feasible research objectives for a scientific study
- Be able to carry out an independent research project by:
 - Identifying an appropriate research design, collecting and analysing data
 - Applying relevant theories and when analysing empirical data
 - Writing a scientific text and disseminating scientific knowledge
 - Complying with established ethical norms for research and dissemination.
- Acquire skills relevant for employment in public and private sectors and in academic research.

The programme is open to both international and Norwegian students. The language of instruction is English for this study programme and we expect students to do all their compulsory courses and examinations in English. No exceptions will be made in this regard.

ADMISSION REQUIREMENTS

Admittance to this programme requires a Bachelor's degree in Social Sciences. The degree must include at least one year of studies within geography, planning or development studies.

The average grade of the degree must be at least C by the Norwegian grading system, or equivalent, as decided by NTNU.

The language of instruction is English. All lectures and seminars will be held in English, all reading material is in English and all term papers, assignments, exam papers and the thesis must be submitted in English.

The applicants must document their English proficiency by achieving one of the following:

A passing grade from a Norwegian upper secondary school (videregående skole), or through a standardized test:

- TOEFL (Test of English as a Foreign Language) with a minimum score of 550/230/80 paper based /computer based/internet based
- IELTS (International English Language Testing Service) with a minimum score of 6.0 points
- APIEL (Advanced Placement International English Language) examination with a minimum score of 3 points

Exceptions from this requirement can be given for certain groups of applicants. For more information about the admission requirements, please consult the following webpage:

www.ntnu.no/admission.

COURSE OUTLINE

The programme involves 2 years of full-time studies. The programme is structured around core courses (37,5 credits), electives (37,5 credits) and a Master's thesis (45 credits).

The core courses are: GEOG3053 Theories of Development and Globalization, GEOG3054 Thesis preparation course work, Experts in Teamwork (EiT), GEOG3003 Methodology and the Research Process, and either GEOG3005 Qualitative Methods or GEOG3006 Quantitative Methods.

Students can choose electives worth 37,5 credits from a number of courses offered by the Department of Geography or other departments. Most of the electives will be offered in the autumn term. Courses other than those listed below can be chosen as electives. Other courses may be chosen if approval is given by the Department of Geography.

CORE COURSES

Code	Title	Credits	Term	Admission
EiT	Experts in teamwork	7,5	Spring	Restricted admission
GEOG3003	Methodology and the Research Process	7,5	Autumn	Open
GEOG3005	Qualitative methods	7,5	Spring	Open
GEOG3006	Quantitative methods	7,5	Spring	Open
GEOG3053	Theories of Development and Globalization	7,5	Autumn	Open
GEOG3054*	Thesis preparation course work	7,5	Spring	Restricted admission
GEOG3920*	Master's Thesis	45	Autumn /Spring	Restricted admission

* Requires admission to the programme.

ELECTIVES

Code	Title	Credits	Term	Admission
GEOG3030	Natural Resources Management	7,5	Autumn	Open
GEOG3505	Landscape and Planning	15	Autumn	Open
GEOG3506	Geography, Health and Development	7,5	Autumn	Open
GEOG3515	Environment, Development and Changing Rural Livelihoods	7,5	Autumn	Open
GEOG3516	Humanitarianism: Theory and Practice	7,5	Autumn	Open

Code	Title	Credits	Term	Admission
GEOG3518	Knowledge Management in a Global Economy	7,5	Autumn	Open
GEOG3519	Geographical Information Systems - I	7,5	Autumn	Open
GEOG3520	Geographical Information Systems - II	7,5	Spring	Open
GEOG3522	Migration and Development	7,5	Spring	Open
AAR4234**	Planning for Sustainability and Development	7,5	Spring	Open
BARN3300	Children and Development in the South	7,5	Spring	Open
POL3517	International Development: the Effects of Politics, Institutions and International Economy	15	Spring	Open

Elective courses may be cancelled due to the teaching capacity at the Department of Geography or if less than 5 students register for the course.

Check www.ntnu.no/geografi/studentinformasjon for updated information about what courses are available.

Information about cancellations will be given no later than January 10th in spring term and August 10th in autumn term. For courses available outside the department of Geography, please contact the respective department.

**Please note deadline for registration.

MPhil in Development Studies, specialising in Geography, programme structure:

Term	Course (7,5 cr)	Course (7,5 cr)	Course (7,5 cr)	Course (7,5 cr)
4. sem/Spring	GEOG3920			
3. sem/Autumn	GEOG3920		Electives (15 credits)	
2. sem/Spring	GEOG3054	GEOG3005 or GEOG3006	EiT	Electives (7,5 credits)
1.sem/Autumn	GEOG3053	GEOG3003	Electives (15 credits)	

Candidates are expected to use the summer between the second and third term to collect data and conduct fieldwork for their thesis.

Experts in Teamwork (EIT)

The course is normally taught every Wednesday *throughout the spring semester* (regular village). It is not possible to take the course as an intensive village in this master's programme.

COURSE DESCRIPTIONS

Core courses:

GEOG3003 Methodology and the Research Process

Teaching: Autumn: 7.5 Cr

Language of instruction: English

Credit reduction: GEOG3002: 7.5 Cr

Grade: Pass/Fail

Compulsory assignments: Field course preparations, presentation, field course with report

Required previous knowledge: Bachelor's degree in Social Sciences, Biology, Chemistry or Resource Geology or the equivalent. Other relevant qualifications can be accepted by the De-

partment of Geography. The course is also open for students admitted to the 5-year teacher training programme in Geography.

Learning objectives: The course gives the students broader and deeper knowledge on the most common methodologies in the subject, and the relationship between methodology and research practices. There will be a focus on skills and experiences in a fieldwork situation.

Academic content: The course focuses on getting started in geographical research at master level. It is comprised of two main parts: (1) a lecture / seminar part, (2) a field course with additional preparations and seminars. Various methodologies are practiced during the field course, in which students work in groups on particular topics and research objectives. The group work will form part of a common field course report. Emphasis is placed on developing a critical and reflexive attitude to the choice of research objective, research questions and the application of different methodologies. Some lectures will address the process with developing research objectives and choice of methodology for the master thesis. This process will end in a project assignment which delimits the theme, research objectives / questions and an assessment of research design, appropriate methodology and broader methods in the planned master thesis.

Teaching methods and activities: Field course, lectures: 10 hours, seminars: 8 hours. It is expected that compulsories and examinations must be completed in English. Exceptions must be clarified with the lecturer responsible for the course.

Assessment: Assignment

Forms of assessment	Time	Percentage	Deadline
Assignment			

GEOG3005 Qualitative Methods

Teaching: Both autumn and spring: 7.5 Cr

Language of instruction: English

Credit reduction: GEOG3002: 7.5 Cr, GEOG3052: 7.5 Cr, AFR3002: 7.5 Cr, AFR3005: 7.5 Cr, GEOG3004: 7.5 Cr

Grade: Pass/Fail

Compulsory assignments: Exercise and individual assignment

Recommended previous knowledge: See required previous knowledge.

Required previous knowledge: GEOG3003. Other relevant qualifications may be accepted by the Department of Geography. The course is optional for those attending the 5-year teacher training programme in Geography (master).

Learning objectives: The aims of the course are to provide the students with a nuanced understanding of the concepts and techniques of qualitative methodologies and help them in preparing for qualitative research in practice.

Academic content: The course focuses on the central debates concerning processes and issues involved in doing qualitative research, for example questions of ethics, interpretation, representation, reflexivity and positionality. Furthermore the dilemmas and questions of different qualitative methods are highlighted. Lectures will address how to generate data, conduct the analysis and write up the material when adopting methods as interviews, observation, and text and image analyses are taught. The students conduct exercises in order to give them some practical experience, preferably in the method(s) they will adopt in their master theses. Finally, the students write an assignment in which they reflect upon their choice of methodology in their own master thesis.

Teaching methods and activities: Lectures: 14 hours, exercise: 10 hours. Students must choose either GEOG3005 or GEOG3006. It is expected that compulsories and examinations must be completed in English. Exceptions must be clarified with the lecturer responsible for the course.

Assessment: Oral examination

Forms of assessment	Time	Percentage	Deadline
Oral examination			

GEOG3006 Quantitative Methods

Teaching: Spring: 7.5 Cr

Language of instruction: English

Credit reduction: GEOG3002: 7.5 Cr, GEOG3052: 7.5 Cr, GEOG3004: 7.5 Cr, AFR3002: 7.5 Cr, AFR3005: 7.5 Cr

Grade: Pass/Fail

Compulsory assignments: Seminar presentation, group assignment and individual assignments.

Recommended previous knowledge: See required previous knowledge.

Required previous knowledge: GEOG3003. Other relevant qualifications may be accepted by the Department of Geography. The course is optional /elective for those on the 5-year teacher training programme in Geography (master).

Learning objectives: The course gives the students deeper knowledge and broader experience in the application of quantitative methods and techniques in the subject. The course will also prepare the student for using appropriate quantitative methods in practice.

Academic content: The course pursues methodologies into a quantitative array of research schemes. It comprises four parts. (1) The course starts with lectures on questionnaire, (2) followed by group work on construction and presentation of a pilot questionnaire. Part 3 comprises lectures and exercises based on the use of a statistical software package (SPSS) for analysis of data. The main focus will be on statistical analyses of available data (database), however entering questionnaire data with further analyses may be an option. A research design comprising correlation and regression will be presented, as will other analytical techniques based on the students specific needs. In part 4, students will prepare an assignment in which they reflect on their choice of specific and appropriate methods and techniques directly related to their master thesis.

Teaching methods and activities: Lectures: 10 hours, seminars: 10 hours, exercises: 8 hours. Students must choose either GEOG3005 or GEOG3006. It is expected that compulsories and examinations must be completed in English. Exceptions must be clarified with the lecturer responsible for the course.

Assessment: Oral examination

Forms of assessment	Time	Percentage	Deadline
Oral examination			

GEOG3053 Theories of Development and Globalization

Teaching: Autumn: 7.5 Cr

Language of instruction: English

Credit reduction: GEOG3050: 7.5 Cr, GEOG3504: 7.5 Cr, SVGEO350: 7.5 Cr

Grade: Letter grade

Compulsory assignments: Assignment

Required previous knowledge: Bachelor in social science. Other relevant qualifications can be accepted upon approval by the Department of Geography.

Learning objectives: Students shall broaden their knowledge of theories of social change through an introduction to different analytical perspectives in development theory and practice.

Academic content: GEOG3053 Theories of Development and Globalization is an introductory theory course, dealing with fundamental issues of development and globalization and how development and globalization are related. Different theories will be introduced and ex-

amined with respect to key concepts and development challenges of our times, such as poverty alleviation and growth, globalization and marginalization, rights, civil society. The course draws on a wide range of practical and empirical knowledge, as the lecturers represent different areas of specialization within the social sciences and many have cross-cultural experience.

Teaching methods and activities: Lectures, 20 hours and assignment. It is expected that compulsories and examinations must be completed in English. Exceptions must be clarified with the lecturer responsible for the course.

Assessment: Written examination

Forms of assessment	Time	Percentage	Deadline
Written examination	4 Hours		

GEOG3054 Thesis Preparation Course Work

Teaching: Spring: 7.5 Cr

Language of instruction: English

Credit reduction: GEOG3050: 7.5 Cr

Grade: Letter grade

Compulsory assignments: None

Recommended previous knowledge: GEOG3053 Theories of Development and Globalization

Required previous knowledge: None.

Learning objectives: To prepare the students for thesis theory work.

Academic content: This course builds on GEOG 3053, but it goes more into depth on contemporary theories within the field of geography and development studies. It seeks to facilitate the work for the students to identify relevant theory and to formulate an analytical approach for their study. Emphasis is put on developing a relevant and comprehensive theoretical approach for the thesis work.

Teaching methods and activities: Lectures (10 hours), group work and term paper formulation with compulsory seminar(30 hours).The course is reserved for students admitted to the MPhil in Development Studies.

Assessment: Assignment/Oral examination

Forms of assessment	Time	Percentage	Deadline
Oral examination		1/4	
Assignment		3/4	

GEOG3920 Master Thesis in Development Studies, specialising in Geography

Teaching: 1st sem. spring, 2nd sem. autumn: 45.0 Cr

Language of instruction: English

Grade: Letter grade

Compulsory assignments: Participation in progress meetings.

Learning objectives: The aim of the course is to give the students training in doing a substantial individual research project.

Academic content: The thesis consists of a scientific presentation of a chosen topic. The thesis should be 90 - 100 pages (Times Roman 12/ spacing 1.5/ approximately 40000 words). Students must prepare a project proposal as a part of the course GEOG3003. Supervisor will be assigned on the basis of this project proposal. The supervisor and MPhil coordinators must be kept informed about the progress of the writing. Candidates are expected collect data and conduct fieldwork for their thesis between the second and third term (2-3 months). The thesis is expected to be completed within four terms from admission to the course. Supervision will not be given beyond this. The thesis must be written in English. It is unsecure whether the Norwegian State Educational Loan Fund (Lånekassen), will give travel grant for the fieldwork. Alternatives should be considered for the Norwegian students. Students can contact the

The Department of Geography student advisor to find a proper solution.

Teaching methods and activities: Seminars with emphasis on theoretical and practical issues related to the writing of a master's thesis will be held during the first and the second year. Students are expected to present their thesis work for fellow students and faculty members at 2-3 seminars. It is expected that students will need a full academic year to complete the thesis. It is recommended that students start to work on their thesis in their second term. The course is reserved for students admitted to the programme. It is expected that compulsories and examinations must be completed in English. Exceptions must be clarified with the lecturer responsible for the course. Exam: Thesis and oral. The oral exam is used to adjust the grade given for the thesis.

Assessment: Thesis

Forms of assessment	Time	Percentage	Deadline
Thesis			

Elective courses:

GEOG3030 Natural Resources Management

Teaching: Autumn: 7.5 Cr

Language of instruction: English

Grade: Letter grade

Compulsory assignments: Field course- 3 days, approved field course report

Required previous knowledge: Bachelor's degree in Social Sciences, Biology, Chemistry or Resource Geology or the equivalent. Other relevant qualifications can be accepted by the Department of Geography

Learning objectives: The course aims to give students insight into questions of nature management through relating theory to practical management. Current management questions will be highlighted through lectures and fieldwork.

Academic content: The subject focuses on the challenges facing the management of natural resources, including matters such as dealing with different types of conflict, which require a combination of broad professional and practical insight. The course therefore addresses how different practical and professional perspectives can be combined to give increased insight in selected management challenges. The course will take as its starting point a number of management themes which will be illustrated using current theories together with examples of practical solutions. The course will be based on one contemporary Norwegian nature resource management conflict. The subject is interdisciplinary and the lectures are held by researchers as well as management representatives.

Teaching methods and activities: 18 hours lectures and an obligatory 3-day field course. The field course report must be approved before a student can take the exam. It is expected that compulsories and examinations must be completed in English. Exceptions must be clarified with the lecturer responsible for the course. Please note that the course may be cancelled due to the teaching capacity at the Department of Geography if less than 5 students register for the course. Check www.ntnu.no/geografi/studentinformasjon for updated information.

Assessment: Written examination

Forms of assessment	Time	Percentage	Deadline
Written examination	4 Hours		

GEOG3505 Landscape and Planning

Teaching: Autumn: 15.0 Cr

Language of instruction: English

Credit reduction: SVGEO326: 7.5 Cr, SVGEO362: 7.5 Cr, SVGEO323: 7.5 Cr

Grade: Letter grade

Compulsory assignments: 1 day field course and approved term paper/project paper.

Recommended previous knowledge: See formal requirements.

Required previous knowledge: Bachelor in geography. Other relevant qualifications can be accepted upon approval by the Department of Geography

Learning objectives: The course gives insight into theoretical and methodological problems related to landscape in connection with conservation, management and planning.

Academic content: The course discusses the concept of landscape, landscape values, and theoretical and methodological problems in landscape conservation, management and planning. It is offered as an elective course to students taking the Department of Geography's MA degree programmes, and is a compulsory course for students taking the Master degree in cultural heritage management. Students taking the course as part of the M.Phil. in Development Studies and other foreign students are required to write an individual term paper based on the course literature with examples from their own country or another country with which they are familiar. The term paper must be approved before the written exam can be taken.

Teaching methods and activities: 24 hours lectures, 16 hours seminars, one day field course, writing of term paper. It is expected that compulsories and examinations must be completed in English. Exceptions must be clarified with the lecturer responsible for the course. Please note that the course may be cancelled due to the teaching capacity at the Department of Geography if less than 5 students register for the course.

Check www.ntnu.no/geografi/studentinformasjon for updated information.

Assessment: Written examination

Forms of assessment	Time	Percentage	Deadline
Written examination	6 Hours		

GEOG3506 Geography, Health and Development

Teaching: Autumn: 7.5 Cr

Language of instruction: English

Credit reduction: SVGEO331: 7.5 Cr

Grade: Letter grade

Compulsory assignments: Approved term paper.

Recommended previous knowledge: See formal requirements.

Required previous knowledge: GEOG1000 - GEOG1006 or the equivalent or a bachelor degree in social sciences.

Learning objectives: The course gives a broad knowledge of geographical perspectives on health and health services and their development features.

Academic content: The course focuses mainly on health status, disease/injury and risk factors, however the geography of health services at different levels is also discussed. The main emphasis is on health and diseases in developing countries. General trends in health and societal risk factors and environmental factors in different parts of the world are also covered. The course covers studies from quantitative and qualitative research traditions. The course includes a presentation on health and medical literature in libraries and databases. Students' own reading will form the basis for writing a term paper, followed by an oral presentation at a seminar. The term paper must be approved before the written examination can be taken.

Teaching methods and activities: 16 hours lectures, 8 hours seminars. It is expected that compulsories and examinations must be completed in English. Exceptions must be clarified with the lecturer responsible for the course. Please note that the course may be cancelled due to the teaching capacity at the Department of Geography if less than 5 students register for the course. Check www.ntnu.no/geografi/studentinformasjon for updated information.

Assessment: Written examination

Forms of assessment	Time	Percentage	Deadline

Written examination 4 Hours

GEOG3515 Environment, Development and Changing Rural Livelihoods

Teaching: Autumn: 7.5 Cr

Language of instruction: English

Grade: Letter grade

Compulsory assignments: Groupwork and presentation

Required previous knowledge: Bachelor in social science. Other relevant qualifications can be accepted upon approval by the Department of Geography.

Learning objectives: The aim of the course is to give student an understanding of the links between development, environment and environmental change and (rural) livelihood in African and Asian societies.

Academic content: Among the topics covered by the course:

- History of geographical thought: From environmental determinism to political ecology.
- Social nature; Social constructivism and environmental narratives.
- Institutions, norms and collective action and the idea of the “community” as basis for natural resource management.
- Hazards and vulnerability. Vulnerability; a useful concept or just another way of labelling? Vulnerability analysis in practice
- Environmental conservation and development; from “Fortress conservation” to “Conservation and development”?
- Changing rural livelihoods and livelihood analysis; from farm to non-farm and implications for the rural environments.
- Environment and conflicts. The “Environment” as basis for conflicts.

Teaching methods and activities: Lectures: 14 hours. Groupwork and presentations (obligatory). It is expected that compulsories and examinations must be completed in English. Exceptions must be clarified with the lecturer responsible for the course. Please note that the course may be cancelled due to the teaching capacity at the Department of Geography if less than 5 students register for the course. Check www.ntnu.no/geografi/studentinformasjon for updated information.

Assessment: Written examination

Forms of assessment	Time	Percentage	Deadline
Written examination	4 Hours		

GEOG3516 Humanitarianism: Theory and Practice

Teaching: Autumn: 7.5 Cr

Language of instruction: English

Grade: Letter grade

Compulsory assignments: 2 assignments, compulsory attendance on the introduction day

Recommended previous knowledge: The course is given at master’s level, a background equivalent to Bachelor in social sciences or extensive field experiences is therefore recommended.

Learning objectives: This course will examine the principles underpinning humanitarian aid and develop tools to analyze how the principles are realized in the field.

Academic content: Embedded in humanitarian action are a number of contentious issues regarding the relationships between political aims of donors and host governments and the people concerned. The course will stress the relationship between theory and practice and

how to deal with operational dilemmas on the ground. The lectures will introduce principles and theories of humanitarian action; the various actors involved and the relationship between them; the emergence of humanitarian regimes; the relationship between political development and humanitarian practice; humanitarianism and forced migration; gender, ethnicity and humanitarian challenges; ethical dilemmas, aid conditionality and the Do No Harm and Relief to Development concepts. The lectures are internet based with one day compulsory introductory seminar. For the students present at NTNU some seminars relating to the internet based lectures will be held. Assignments are approved/not approved.

Teaching methods and activities: Internet based, equivalent to 16 hours, 1-day compulsory introductory seminar, seminars for the students present at NTNU. It is expected that compulsories and examinations must be completed in English. Exceptions must be clarified with the lecturer responsible for the course. Please note that the course may be cancelled due to the teaching capacity at the Department of Geography if less than 5 students register for the course. Check www.ntnu.no/geografi/studentinformasjon for updated information.

Assessment: Home examination

Forms of assessment	Time	Percentage	Deadline
Home examination			

GEOG3518 Knowledge Management in a Global Economy

Teaching: Autumn: 7.5 Cr

Language of instruction: English

Grade: Letter grade

Compulsory assignments: Semester assignment.

Required previous knowledge: Bachelor in social science. Other relevant qualification can be accepted upon by approval by the Department of Geography. Students with no background in social sciences are recommended to read an introductory book

Learning objectives: The course provides the students with a nuanced understanding of economic and cultural aspects of industrial globalization. The central aims are to provide a comprehensive insight into the relations between processes of globalization and company strategies.

Academic content: The course offers different perspectives on globalization, together with discussions on how this influences both business and regional and national opportunities for agency. Focus is on the possibilities that enterprises have in a globalized knowledge economy. Case examples are used to illustrate how businesses can draw on their surroundings and networks locally, regionally, nationally and internationally in their endeavours to innovate. The course presents how strategies and actions occur at the interface between economy and culture. Knowledge development across cultural boundaries is thus a central theme. As part of the course the students have to write an individual semester assignment. The semester assignment must be approved before the examination can be taken.

Teaching methods and activities: 18 hours lectures and assignment. It is expected that compulsories and examination must be completed in English. Exceptions must be clarified with the lecturer responsible for the course. Please note that the course may be cancelled due to the teaching capacity at the Department of Geography if less than 5 students register for the course. Check www.ntnu.no/geografi/studentinformasjon for updated information.

Assessment: Written examination

Forms of assessment	Time	Percentage	Deadline
Written examination	4 Hours		

GEOG3519 Geographical Information Systems - I

Teaching: Autumn: 7.5 Cr

Language of instruction: English

Credit reduction: GEOG3510: 6.0 Cr, SVGEO328: 6.0 Cr

Grade: Letter grade

Compulsory assignments: None

Recommended previous knowledge: GEOG1004 and GEOG1511.

Required previous knowledge: Minimum 60 credits.

Learning objectives: The course aims to introduce students to the use of geographical information systems (GIS), how such systems represent our world, and how we can apply GIS for various applications within management and research. An emphasis is on vector based GIS. Students will become acquainted with how GIS can be used within both social scientific research and physical sciences research.

Academic content: Nature of geographical data, spatial data structures, techniques for input and editing, analytical modeling, and ways of presenting of geographic data. Fundamental GIS operations such as buffer and overlay set together in geoprocessing models. During the semester students will carry out several exercises. Results from these exercises will influence the final grade for this course.

Teaching methods and activities: 16 hours lectures, 14 hours practical exercise work. Both of the exams must be handed in and graded to E or better. Please note that the course may be cancelled due to the teaching capacity at the Department of Geography if less than 5 students register for the course. Check www.ntnu.no/geografi/studentinformasjon for updated information.

Assessment: Assignment/Written examination

Forms of assessment	Time	Percentage	Deadline
Assignment		1/3	
Written examination	4 Hours	2/3	

GEOG3520 Geographical Information Systems - II

Teaching: Spring: 7.5 Cr

Language of instruction: English

Credit reduction: GEOG3510: 3.0 Cr, SVGEO328: 3.0 Cr

Grade: Letter grade

Compulsory assignments: None

Recommended previous knowledge: GEOG1004 and GEOG1511.

Required previous knowledge: GEOG 3519 - Geographical Information Systems I or equivalent.

Learning objectives: The course aims to provide students with advanced skills in the use of geographical information systems (GIS). An emphasis is on raster based representations, 3D representations and data processing (for instance the use of map algebra and geoprocessing). Students will become acquainted with how GIS can be used within both social scientific research and physical sciences research.

Academic content: 3D modeling of statistical surfaces and terrain surfaces. TIN and raster representations, raster processing (map algebra), and geoprocessing using model builder and scripting software. During the semester students will carry out several exercises. Results from these exercises will influence the final grade for this course.

Teaching methods and activities: 16 hours lectures, 14 hours practical exercise work. Both of the exams must be handed in and graded to E or better. It is expected that compulsories and examinations must be completed in English. Exceptions must be clarified with the lecturer responsible for the course. Please note that the course may be cancelled due to the teaching capacity at the Department of Geography if less than 5 students register for the course. Check www.ntnu.no/geografi/studentinformasjon for updated information.

Assessment: Assignment/Written examination

Forms of assessment	Time	Percentage	Deadline
Assignment		1/4	
Written examination	4 Hours	3/4	

GEOG3522 Migration and Development

Teaching: Spring: 7.5 Cr

Language of instruction: English

Grade: Letter grade

Compulsory assignments: Approved group work and seminar presentation

Learning objectives: The course offers theoretical insights into the dynamics of internal and international migration processes and their relations to development. In addition the course addresses practical and policy implications of migration processes in relation to development cooperation and social change in the Global South and North.

Academic content: The course discusses internal and international migration processes in a development context. In particular the course concentrates on understanding the relationship between migration and development by offering theoretical insights into how to conceptualise migration and how development theories have understood the role of migration in development. The course aims to provide analytical approaches for understanding the migration process by introducing debates on causes, practices, migration regimes and policies, as well as the development impacts of internal and international migration. Methodological approaches for researching migration and development will be introduced.

Teaching methods and activities: 16 hours lectures, 10 hours group work and presentation (depending on the number of students). It is expected that compulsories and examinations must be completed in English. Exceptions must be clarified with the lecturer responsible for the course. Please note that the course may be cancelled due to the teaching capacity at the Department of Geography if less than 5 students register for the course.

Check www.ntnu.no/geografi/studentinformasjon for updated information.

Assessment: Written examination

Forms of assessment	Time	Percentage	Deadline
Written examination	4 Hours		

AAR4234 Urban Planning for Sustainability and Development VK

Teaching: Spring: 7.5 Cr

Language of instruction: English

Grade: Letter grade

Compulsory assignments: Group-based case study on a current building project.

Recommended previous knowledge: None, but the course will subsequently give priority to attend course AAR4525 Urban Ecological Planning in Developing Countries; Project Work, to AAR4820 Urban Ecological Planning. Theory, and to AAR4816 Urban Ecological Planning, Method.

Required previous knowledge: Completed three years basic courses in architecture, bachelor in architecture or equivalent. Registration deadline: 1. december.

Learning objectives: The course is to give insight into what "sustainability" and "development" entails for urban development and urban planning - in a national and a global perspective. The course will highlight how planning and implementation of physical interventions interact with its social and material context.

Academic content: - Modes of Planning conducive of achieving sustainable urban development - in Norway and internationally - Use and Management of Natural Resources; Water, Energy, Land - Transport & Land use - Architecture's contribution towards a sustainable future. - Housing and settlement planning. - Agents and institutions and their impact on modes

of development

Course materials: A total of about 350 pages reading material related to the topics of the lectures.

Teaching methods and activities: The course is given in cooperation with several departments at the Faculty of Architecture and Fine Art, the Faculty of Engineering Science and Technology, and the Faculty of Social Science and Technology Management. Weight is placed on interdisciplinary seminars with introductory speakers from other faculties and from specialists with experience in development-related issues. A case study on current urban development projects being planned and/or implemented in Trondheim to explore how the concepts of Development and Sustainability is actually practices in the North and how this might relate to, and bear impact on the over arching global development challenges.

Assessment: Report/Written examination

Forms of assessment	Time	Percentage	Deadline
Written examination	5 Hours	2/3	
Report		1/3	

BARN3300 Children and Development in the South

Teaching: Spring: 7.5 Cr

Language of instruction: English

Grade: Letter grade

Compulsory assignments: Oral presentation

Recommended previous knowledge: See required previous knowledge.

Required previous knowledge: Admittance to the course requires a bachelor's degree in a social science or humanities discipline, or equivalent.

Learning objectives: * To familiarize students with how children in diverse social, economic, cultural and political contexts of the global South fare in their lives.

* To promote an interdisciplinary understanding of the complex interrelationship between development processes and young people's everyday lives.

* To critically evaluate current research and scholarship in the field of children and socio-economic and cultural change.

Academic content: The course provides opportunities for students to develop systematic knowledge on how young people are impacted by and respond to various development processes (e.g. national and global policies, structural adjustment programs, trade etc). Specific topics covered include an overview of development theories and childhood theories; young people and socio-cultural change; the meanings and values of children; children in difficult circumstances (e.g. street children, refugee children); child labour/children's work; education for boys and girls; children, migration and social change; childhood poverty; impacts of HIV/AIDS on children; politics of orphanhood; children and armed conflicts; youth, participation and political activism.

Course materials: Information will be given at the beginning of the semester.

Teaching methods and activities: Total lecture hours: 20 hours, total seminar hours: up to 12 hours. The course consists of: (1) a common introduction with lectures; (2) a seminar with presentation and discussion of individual students' term papers. Each student will be required to comment on another student's term paper.

Assessment: Assignment/Written examination

Forms of assessment	Time	Percentage	Deadline
Written examination	4 Hours	2/3	
Assignment		1/3	

POL3517 International development: The Effects of Politics, Institutions and International Economy**Teaching:** Spring: 7.5 Cr**Language of instruction:** English**Grade:** Letter grade**Compulsory assignments:** Term paper.**Recommended previous knowledge:** See formal requirements**Required previous knowledge:** None.**Learning objectives:** The course aims to give students insight into the relationship between global development, the international economy and political choices and institutions.**Academic content:** The course focuses on political, institutional and economic causes of global development and underdevelopment. The course examines central theories on development as well as empirical literature in the field and discusses, among other things, the effects of international trade, investment, and development assistance; the development role of international organizations like the World Bank, IMF, UN and WTO, the impact of migration, domestic constraints on development in poor countries, and the extent to which national authorities enjoy freedom of action to pursue their own development models. The course provides both a historical and contemporary perspective.**Course materials:** To be decided at the start of the course.**Teaching methods and activities:** Lectures and group discussions amounting to 4 hours a week. Supervising of term paper. Approved term paper with a length of 4000-5000 words. The term paper can also be written in groups (2-3 students), in which case the required length of the paper will be increased correspondingly. The language of instruction is English. Forms of assessment: 5 hour written exam.**Assessment:** Written examination

Forms of assessment	Time	Percentage	Deadline
Written examination			

CREDIT REDUCTIONS DUE TO OVERLAP IN CONTENT

Course	Course	Credits
GEOG3053	GEOG3050	7,5 credits
GEOG3054	GEOG3050	7,5 credits
GEOG3053	GEOG3504	7,5 credits
GEOG3003	GEOG3002	7,5 credits
GEOG3005	GEOG3052	7,5 credits
GEOG3005	AFR3005	7,5 credits
GEOG3005	AFR3002	7,5 credits
GEOG3005	GEOG3004	7,5 credits
GEOG3005	GEOG3002	7,5 credits
GEOG3006	GEOG3002	7,5 credits
GEOG3006	GEOG3052	7,5 credits
GEOG3006	GEOG3004	7,5 credits
GEOG3006	AFR3002	7,5 credits
GEOG3006	AFR3005	7,5 credits
GEOG3510	GEOG3519	6 credits
GEOG3510	GEOG3520	3 credits
POL3503	POL8503	10 credits
GEOG3510	GEOG3521	6 credits