

MASTER OF SCIENCE IN GLOBALIZATION

Approved by the Board at NTNU 12.10.2006, with changes made by the Faculty of Social Sciences and Technology Management 15.02.2011.

A DESCRIPTION OF THE MASTER'S PROGRAMME IN GLOBALIZATION

During this two-year international Master's programme in Globalization, students will explore the interrelations between the economic, technological, cultural, social and political dimensions of Globalization. The aim of the programme is to provide students with a general understanding of the forms and consequences of the processes of Globalization, combined with an in-depth knowledge of one of the two fields of Specializations:

- **Global Technology Management** (abbreviated 'GTM')
- **Global Politics and Culture** (abbreviated 'GPC')

Global Technology Management

Global Technology Management students will spend their third semester undertaking a work project at NTNU, linked to the university's cooperation projects with industry, on a topic relevant for globalization. In the fourth semester, the students will write their Master's thesis while located at an international company or organization. International students will be located in companies in Norway while students with a Norwegian or Nordic educational background will be located at companies outside Norway. The Global Technology Management specialization provides the skills needed to handle the increasingly important interaction between technology, strategy and global processes. The programme results in a unique competence for a career in international enterprises. The students will gain a broad and integrated set of capabilities, combining engineering and management competences with a global perspective.

Global Politics and Culture

Global Politics and Culture students will gain practical experience through a five month internship in the third semester in a global corporation, multilateral organization or international campaigning group. Students with a Norwegian or Nordic educational background will undertake their internships outside Norway. Students on this specialization who are eligible for international quota scholarships will undertake their internships in Norway. Self-funding international students may take their internship in or outside Norway. The specialization will focus on the implications of processes of globalization for civil society, state power, changing patterns of national culture and global markets and technologies.

The Master's in Globalization is a unique inter-disciplinary cooperative programme involving the following faculties at NTNU:

- Humanities
- Social Sciences and Technology Management
- Engineering Science and Technology
- Natural Sciences and Technology
- Information Technology, Mathematics and Electrical Engineering

The Faculty of Social Sciences and Technology Management hosts the programme of study from January 2011.

The Master's programme is part of NTNU's university-wide Globalization Programme, which comprises nearly 200 researchers in departments across the university.

CAREER OPPORTUNITIES

The Master's programme's specialization in *Global Politics and Culture* is designed to provide its students with the specialist knowledge and transferable skills to pursue careers in global corporations, non-governmental organizations (NGOs), and international campaigning groups, the civil and diplomatic services or in the media, research and information sectors. By the end of their degree, students will have proved their capacity to engage in team work, gained relevant work experience in a global corporation or organization and demonstrated their ability to employ interdisciplinary approaches at both theoretical and practical levels.

The Master's programme's specialization in *Global Technology Management* is designed to give students the skills to take part in developing the future technology and sustainable solutions for global enterprises. Students will be able to both understand and successfully handle the different dimensions of global processes. Possible career positions could be:

- Production manager, with responsibility for global operations.
- Entrepreneur, initiating new global businesses.
- Supply chain manager, working with sourcing and distribution in global value chains.
- Consultant, specialising in production management and global technology transfer.
- Project manager, responsible for establishing production facilities in foreign countries.
- Technical manager, with responsibility for technology development and transfer.

COURSES

I. Joint courses across the two specializations

Code	Title	Credits	Term	Admission
GEOG3518	Knowledge Management in a Global Economy	7,5	Autumn	Open
HIST3295	Contemporary International Economic History 1)	7,5	Autumn	Open
SOS3050	Empirical Research Methods 2)	7,5	Spring	Open
SANT3507	<i>Globalization, Culture and Identity</i>	7,5	Autumn	Open
*)	Internship/Work Project 3)	22,5 30	or Autumn	5)
*)	Master's Thesis in Globalization 4)	30	Spring	5)

1) Elective course for Global Technology Management students.

2) Students who already have already passed SOS1002 Research Methods in the Social Sciences (15 cr.) must replace SOS3050 with SOS3004 Qualitative Research Methods (7.5 cr.)

3) Global Technology Management students will do this as a work project at NTNU. Global Politics and Culture students will undertake an internship in a global company or organization.

*) The course code depends on the student's departmental belonging. Both Global Technology Management and Global Politics and Culture students will take the 22.5 credit internship, apart from Global Politics and Culture students undertaking their internship outside Norway who have financial support from Norwegian State Educational Loan Fund (Lånkassen). They

will take the 30 credit internship. See course codes below (IV. Courses: Codes for the Internship/Work project).

4) Global Technology Management students will write their thesis while based at an international company or organization. Global Politics and Culture students will normally write their thesis at NTNU. *) The course code depends on the student's departmental belonging. See course codes below (V. Courses: Codes for the Master's thesis).

5) Requires admission to the programme of study (MSc in Globalization). See course codes below (IV. and V.).

II. Courses: Global Technology Management (in addition to the joint courses)

Code	Title	Credits	Term	Admission
TIØ4295	Managerial Economics	7.5	Autumn	Open
TPK4160	Value Chain Control and Applied Decision Support	7.5	Autumn	Open
TIØ4195	Environmental Management - strategy, systems and governance *)	7.5	Autumn	Open
TDT4245	Cooperation Technology*)	7.5	Autumn	Open
TPK5100	Project Planning and Control *)	7.5	Autumn	Open
TIØ4175	Purchasing and Logistics Management	7.5	Spring	Open
TPK4180	Manufacturing Strategy	7.5	Spring	Open
TPK4135	Logistics and Production Management	7.5	Spring	Open
TPK4515	Production and Quality Engineering, Specialization Course	7,5	Autumn	Open
TPK4510	Production and Quality Engineering, Specialization Project	15	Autumn	Open

*) Choose one of these three courses, or HIST3295. See semester breakdown below.

III. Courses: Global Politics and Culture (in addition to the joint courses)

Code	Title	Credits	Term	Admission
KULT3320	Globalization Theory	7.5	Autumn	Open
GEOG305	Theories of Development and Globalization			
3		7.5	Autumn	Open
RVI2115	Religion and Politics in the Age of Globalization **)	15	Spring	Open
POL3517	International Development: The effects of Politics, Institutions and International Economy **)	15	Spring	Open
POL3005	Research Design and Methods for Interdisciplinary Studies	7.5	Spring	*)

*) Requires admission to the programme of study (MSc in Globalization).

**) Choose one of these two courses, see semester breakdown below.

IV. Courses: Codes for the Internship/Work project *)

Course	Department	Credits	Term	Admission
RVI3011	Department of Archaeology and Religious Studies	22.5	Autumn	*)
RVI3012	Department of Archaeology and Religious Studies	30	Autumn	*)
HIST3011	Department of History and Classical Studies	22.5	Autumn	*)
HIST3012	Department of History and Classical Studies	30	Autumn	*)

Course	Department	Credits	Term	Admission
GEOG3011	Department of Geography	22.5	Autumn	*)
GEOG3012	Department of Geography	30	Autumn	*)
POL3011	Department of Sociology and Political Science	22.5	Autumn	*)
POL3012	Department of Sociology and Political Science	30	Autumn	*)
IØ3011	Department of Industrial Economics and Technology Management	22.5	Autumn	*)

*) Requires admission to the programme of study (MSc in Globalization).

V. Courses: Codes for the Master's thesis *)

Course	Department	Credits	Term	Admission
RVI3910	Department of Archaeology and Religious Studies	30	Spring	*)
HIST3910	Department of History and Classical Studies	30	Spring	*)
GEOG3910	Department of Geography	30	Spring	*)
POL3910	Department of Sociology and Political Science	30	Spring	*)
KULT3910	Department of Interdisciplinary Studies of Culture	30	Spring	*)
SANT3910	Department of Social Anthropology	30	Spring	*)
IØ3910	Department of Industrial Economics and Technology Management	30	Spring	*)
TPK4900	Departement of Production and Quality Engineering	30	Spring	*)

*) Requires admission to the programme of study (MSc in Globalization).

STRUCTURE

Joint Activities and Courses across both Specializations

The Master's programme in Globalization is a two year programme, which awards a total 120 ECTS credits, 30 credits per semester over four semesters. A breakdown of each semester is given in the tables below.

- **First semester:** In the first semester, the course GEOG3518 Knowledge Management in a Global Economy will be taken by students in both Global Technology Management and Global Politics and Culture specializations. The Global Technology Management students may also take HIST3295 Contemporary International Economic History as an elective course in first semester. This course is compulsory for students in Global Politics and Culture.
- **Second semester:** Students in both specializations will take the course SOS3050 Empirical Research Methods in the second semester.
- **Third semester:** In the third semester, the students in both specializations will take Internship/Work Project. The Global Politics and Culture students will spend this third semester undertaking an internship in a global corporation or organization, while the Global Technology Management students will undertake a work project at NTNU. During this third semester, students who take the 22.5 credits internship will also take the distance learning course SANT3507 Globalization, Culture and Identity.

- **Fourth semester:** Master's Thesis in Globalization (30 credits) should be completed in the fourth semester of study. For Global Technology Management students, the thesis will be written while they are located in a global corporation.

Global Technology Management Specialization (in addition to the joint courses)

- **First semester:** In the first semester, in addition to the joint course GEOG3518 Knowledge Management in a Global Economy, The Global Technology Management students will also take TIØ4295 Managerial Economics, TPK4160 Value Chain Control and Applied Decision Support and then select one additional course from the following courses: TIØ4195 Environmental Management - strategy, systems and governance, TDT4245 Cooperation Technology, TPK5100 Project Planning and Control or HIST3295 Contemporary International Economic History.
- **Second semester:** In the second semester, in addition to SOS3050 Empirical Research Methods, they will take the courses TIØ4175 Purchasing and Logistics Management, TPK4180 Manufacturing Strategy and TPK4135 Logistics and Production Management.

Global Politics and Culture Specialization (in addition to the joint courses)

- **First semester:** In the first semester, in addition to the joint course and activities mentioned above, the Global Politics and Culture students will take KULT3320 Globalization Theory and GEOG3053 Theories of Development and Globalization.
- **Second semester:** In the second semester they will take SOS3050 Empirical Research Methods, with the exception of students who have already taken the SOS1002 Research Methods in the Social Sciences exam. These students must replace SOS3050 with SOS3004 Qualitative Research Methods. In addition, students will also take POL3005 Research Design and Methods for Interdisciplinary Studies, and chose one of the following courses: RVI2115 Religion and Politics in the Age of Globalization or POL3517 International Development: The effects of Politics, Institutions and International Economy.

SEMESTER BREAKDOWN

Global Technology Management

Term	7.5 credits	7.5 credits	7.5 credits	7.5 credits
4th sem. Spring	Master's Thesis in Globalization (in an international company or organisation) ***)			
3rd sem. Autumn	Work Project (at NTNU) ***)			SANT3507 Globalization, Culture and Identity
2nd sem. Spring	TIØ4175 Purchasing and Logistics Management	TPK4180 Manufacturing Strategy	TPK4135 Logistics and Production Management	SOS3050 Empirical Research Methods **)
1st sem. Autumn	TIØ4295 Managerial Economics	TPK4160 Value Chain Control and Applied Decision Support	TIØ4195, TDT4245, TPK5100 or HIST3295	GEOG3518 Knowledge Management in a Global Economy

*) Choose one of these four courses.

***) Students who already have already passed SOS1002 *Research Methods* in the Social Sciences (15 cr.) must replace SOS3050 with SOS3004 *Qualitative Research Methods* (7.5 cr.).
 ****) The course code depends on the student's departmental belonging.

Global Politics and Culture

Term	7.5 credits	7.5 credits	7.5 credits	7.5 credits
4th sem. Spring	Master's Thesis in Globalization (normally at NTNU) ****)			
3rd sem. Autumn	Internship (in an international company or organisation) ****)			SANT3507 Globalization, Culture and Identity ****)
	Internship (in an international company or organisation) ****)			
2nd sem. Spring	SOS3050 Empirical Research Methods **) or SOS3004 ****) Qualitative Research Methods	POL3005 Research Design and Methods for Interdisciplinary Studies	RVI2115 Religion and Politics in the Age of Globalization*) or POL3517 International Development: The effects of Politics, Institutions and International Economy *)	
1. sem. Autumn	GEOG3518 Knowledge Management in a Global Economy	HIST3295 Contemporary International Economic History	KULT3320 Globalization Theory	GEOG3053 Theories of Development and Globalization

*) Choose one of these two courses.

***) Compulsory for all students, except those who have already taken SOS1002 *Research Methods* in the Social Sciences.

****) Compulsory for all students who have already taken SOS1002 *Research Methods* in the Social Sciences.

*****) The course code depends on the student's departmental belonging. All Global Politics and Culture students will take the 22.5 credit internship and SANT3507, apart from those Global Politics and Culture students undertaking their internship outside Norway with support from Norwegian State Educational Loan Fund ('Lånkassen'). They will take the 30 credit internship and will not take SANT3507.

INTERNSHIP (GLOBAL POLITICS AND CULTURE)

The internship scheme related to the Global Politics and Culture specialization provides a unique opportunity for students to develop and build their personal, academic and professional capacities by managing an individual project. The internship project should contribute an interdisciplinary perspective and should be relevant to the needs and requirements of the company/organization. It should lead to the production of a written academic assignment, which will be undertaken under the supervision of a supervisor at NTNU, and a corporate or organizational supervisor.

- **First semester:** In the first semester, students in Global Politics and Culture will receive information about the range of internships and will complete CVs.
- **Second semester:** At the beginning of the second semester the internships will be allocated. In the case where the companies and organizations have specific requirements, the company or organization will make the choice based on the CVs of the eligible candidates. For all other internships, the assignment will in the first instance be made on a random basis, after which the students may exchange internships amongst themselves, if they

so wish, on a voluntary basis. If students wish to find their own internships, then they must submit their proposed internship project for approval to the MSc in Globalization Academic Coordinator at the beginning of the second semester. During this semester, all students will find an NTNU supervisor from a list provided by the programme, and be assigned an internship supervisor by the company or organization, both of whom will follow their progress. The students will also complete a one to two page academic proposal (of 500-1000 words) relating to the internship assignment.

- **Third semester:** At the end of the third semester, the students will submit their internship assignment (around 35 pages for the 22.5 credit version, and 45 pages for the 30 credit version - 12 pt, 1.5 spacing).
- **Fourth semester:** In the beginning of the fourth semester, following their internship, the students will give a presentation of their internship project and assignment to the MSc in Globalization students and NTNU internship supervisors.

WORK PROJECT (GLOBAL TECHNOLOGY MANAGEMENT)

Students will spend their third semester undertaking a work project at NTNU, linked to the university's cooperation projects with industry, on a topic relevant for globalization. Education in Global Technology Management is based on students experiencing and exploring real-life industrial challenges in global enterprises. Theoretical topics are exemplified and discussed based on cases from Norwegian and international companies and research projects. The work project will be geared at solving industrial challenges within areas such as Production Strategy, Technology and ICT Management, Supply Chain Management, Operations Management or Project Management. Students will be required to produce a written academic assignment, relating to the internship/work project (between 30 and 40 pages; 12 pt, 1.5 spacing), which should be submitted to NTNU by the end of the second semester (22.5 credits). The assignment should relate to the taught element of the programme and fulfill the academic requirements of a Master's level programme.

MASTER'S THESIS

The 30 ECTS credit Master's thesis should be between 50 and 70 pages in length (12 pt, 1.5 spacing). The contents of the thesis should fulfill an academic level appropriate to a Master's level course. Furthermore, it should relate to the interdisciplinary framework of the taught course element of the Master's programme. A project summary of 300 words should be written in the third semester followed by a more detailed proposal in the form of a written outline of the thesis (around 5 pages) at the beginning of the fourth semester. The thesis should be written over a 20-week period in the fourth semester. The deadline for submission of the thesis is normally May 1st. The students may apply for a two week extension. Students must have passed all the courses on the Masters programme before submitting the Masters thesis. Students must have passed their Master's thesis in order to present themselves for the 30-minute oral exam related to the Master's thesis. The grade for the Master's thesis may be adjusted after the oral exam. The Global Technology Management students will write their thesis while located at an international company. The Global Politics and Culture students will normally write their thesis at NTNU, and may relate its contents to the internship assignment associated with Internship/Work Project.

STUDY ENVIRONMENT

The Master's programme is part of NTNU's highly interdisciplinary Globalization Programme, which comprises 180 researchers and research fellows from across the university.

Students will benefit from this NTNU-wide Programme, which organizes regular seminars, as well as workshops and international conferences. Students on this Master's programme will be working within an interdisciplinary environment in which social contacts and professional cooperation with researchers from the Globalization Programme and with fellow students will be an important component. The programme of study

ADMISSION REQUIREMENTS

Who can apply to the MSc in Globalization?

For the Global Politics and Culture Specialization:

- Students with a BA in the Humanities or Social Sciences with a specialization of minimum 80 ECTS Credits in a discipline with relevance to the MSc in Globalization's academic components or equivalent from a university or college defined as:
 - Political Science
 - Sociology
 - Social Anthropology
 - History
 - Geography
 - European Studies
 - Economics
 - Development Studies
 - Cultural Studies
 - Cultural Heritage Studies
 - Religious Studies
 - International Relations
- For the Global Politics and Culture Specialization, English language requirements for international students are TOEFL 550/230/80 paper based /computer based/internet based or IELTS with 6.0 or better.

For the Global Technology Management Specialization:

- Students with a BSc in a Technological or Engineering discipline or equivalent from a university or college. For the Global Technology Management Specialization: Students at selected departments at NTNU who have finished the first 3 years of a 5-year Master's of Technology/Engineering programme. These students may opt into the Master's in Globalization programme by applying to the relevant Study Board(s) of their current programme. They will remain within their original department and graduate with a Civil Engineering ('siv.ing.') degree /Norwegian Engineering degree (in their original subject), with a specialization in Globalization.
- For the Global Technology Management Specialization, English language requirements for international students are TOEFL 550/213/79 paper based /computer based/internet based or IELTS with 6.0 or better.

For both specializations:

- International students with equivalent backgrounds are encouraged to apply.

- Successful applicants must have achieved a minimum of the equivalent of a C grade (Norwegian grading system) in their undergraduate degree to be accepted onto this Master's programme, in accordance with NTNU regulations.

COURSE DESCRIPTIONS

Joint courses

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 endeavors 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		

SOS3050 Empirical Research Methods

Teaching: Spring: 7.5 Cr

Language of instruction: English

Credit reduction: IDRSA1004: 7.5 Cr, SOS6003: 7.5 Cr, SOS3060: 7.5 Cr, SOS3061: 7.5 Cr, SOS3280: 7.5 Cr, SOS1002: 7.5 Cr

Grade: Letter grade

Compulsory assignments: Approved term paper

Recommended previous knowledge: None.

Required previous knowledge: None.

Learning objectives: The aim of the course is to provide students with knowledge in the use of research methods in human relations and social sciences.

Academic content: The course provides an introduction to the most important empirical in human relations and social sciences. Techniques for the gathering of data include interview-

ing, observation and the use of written sources and public documents. A basic introduction to the analysis of data, emphasising charts, correlation and multivariat analysis will also be offered.

Course materials: To be announced at the beginning of the semester.

Teaching methods and activities: Teaching method and activities: Lectures 2 hours per week throughout the semester, group teaching 2 hours per week, lab work and supervision when writing term paper. Compulsory activity: Approved term paper. Form of assessment: 4 hours written exam. Students who already has an exam in SOS1002 Research Methods in the Social Sciences must replace SOS3050 with SOS3004 Qualitative Research Methods.

Assessment: Written examination

Forms of assessment	Time	Percentage	Deadline
Written examination	4 Hours		

SANT3507 Globalization, Culture and Identity

Teaching: Autumn: 7.5 Cr

Language of instruction: English

Grade: Letter grade

Compulsory assignments: Participation in discussion group on It's Learning

Required previous knowledge: A bachelor's degree or equivalent.

Learning objectives: The students will become versed in the concepts and forms of analysis which anthropology brings to globalization. They will acquire analytical skills which will enable them to more fully understand the social and cultural aspects of globalization.

Academic content: The course will examine social and cultural aspects of the globalization process. On the one hand, the intensification of global interconnectedness entails increased standardization, homogenization and universalization as Western ideologies circulate more widely. On the other hand, this process is given heterogeneous local expression, resulting in hybridization, creolization and various forms of resistance and accommodation to unifying impulses. The deterritorialization of culture, and the flow of commodities, advertising and media have established new premises for the construction of meaning and the formation of identities. New subjectivities and identities emerge, along with new social imaginaries and cultural repertoires. Through a survey of theories of globalization and an examination of several cases, the course will examine the variety of ways in which this occurs. The students will be required to participate in discussion fora on It's Learning. The evaluation will be based on a term paper (15 pages long) which is to be handed in before December 1st. The paper may be based on assigned readings, library research or their own experience of globalization, analyzed in terms of concepts and theories provided by the readings.

Course materials: See reading list available at the beginning of the semester.

Teaching methods and activities: Internet lectures and discussion groups on It's Learning.

Assessment: Assignment

Forms of assessment	Time	Percentage	Deadline
Semester assignment			

HIST3295 International Economic Contemporary History

Teaching: Autumn: 7.5 Cr

Language of instruction: English

Grade: Letter grade

Compulsory assignments: Approved assignment as part of group instruction/term paper

Recommended previous knowledge: None

Required previous knowledge: BA in History or equivalent

Learning objectives: Historical insight in the twentieth century economic globalization.

Academic content: Economic globalization processes cannot only be observed for the most

recent decades; rather they occurred also in earlier periods. This course will provide an overview about globalization and de-globalization during the last 150 years. It will especially try to answer the following questions: How did economic globalization develop and what different periods can be observed? What are the specific characteristics of these periods? Which factors caused globalization? Which conditions favored or hampered its development? What effects did globalization have in different respects? And what repercussions, in turn, did these effects have on the further development of globalization? We will further discuss, based on country case studies, why the economic effects of globalization and the reactions to globalization differed among different countries.

Teaching methods and activities: Lectures and seminars.

Assessment: Home examination

Forms of assessment	Time	Percentage	Deadline
Home examination	4 Days		

Global Politics and Culture

KULT3320 Globalization Theory

Teaching: Autumn: 7.5 Cr

Language of instruction: English

Credit reduction: KULT3315: 7.5 Cr

Grade: Letter grade

Compulsory assignments: Oral performance

Recommended previous knowledge: Completed Bachelor's degree and master's students at NTNU.

Learning objectives: The course objective is to provide students with insight into the concept of globalization and the discussions associated with it by studying the most significant literature on globalization theory.

Academic content: The term globalization is used to describe numerous phenomena and processes. The course focuses on social and cultural processes of change viewed in relation to economic globalization. Students will gain insight into theories of globalization as well as the driving forces behind various aspects of globalization. Important theoretical debates will be examined, such as questions like whether or not we are approaching a more homogenous world; the significance of the local in meeting with the global; and the question of change and continuity when global meets local. Via examples students will discuss if and how the concept of globalization can provide new and fruitful perspectives for understanding contemporary social developments. KULT3320 is a fundamental course in MSc in Globalization, and includes common activities such as courses in academic writing, computer courses, guest lectures and student presentations.

Teaching methods and activities: Before the students are allowed to do the final written assignment, they must pass an oral presentation.

Assessment: Home examination

Forms of assessment	Time	Percentage	Deadline
Home 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 examined 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		

POL3005 Research Design and Methods for interdisciplinary studies

Teaching: Spring: 7.5 Cr

Language of instruction: English

Credit reduction: POL3004: 7.5 Cr, POL3004(v.2): 7.5 Cr

Grade: Letter grade

Compulsory assignments: None

Recommended previous knowledge: Admission to the MSc in Globalization and other masters students with similar background.

Required previous knowledge:

Learning objectives: The course will introduce students with little or no experience in the social sciences to systematic social-science thinking. It will include an introduction to the philosophy of sciences as well as methodologies, methods and techniques commonly used in contemporary social sciences.

Academic content: The course will reflect the wide variety of methods and techniques in the contemporary social sciences. The aim of the course is to give students with backgrounds from different academic disciplines an introduction to systematic social science thinking which includes an introduction to the philosophy of sciences as well as methodologies, methods and techniques commonly used in contemporary social sciences. In addition, the aim is to give practical guidelines for students on the way to their master thesis. The course will encourage students to reflect on topics for their master thesis. Furthermore, students will gain first experience in formulating a research problem and different exercises will be undertaken which will help the students to write a first research proposal for their later master thesis.

Course materials: To be determined in the beginning of the semester.

Teaching methods and activities: 2 hours lectures/seminars per week.

Assessment: Assignment

Forms of assessment	Time	Percentage	Deadline
Assignment			

RVI2115 Religion, Politics and Science in Global Society

Teaching: Spring: 15.0 Cr

Language of instruction: English

Credit reduction: RVI2110: 7.5 Cr

Grade: Letter grade

Compulsory assignments: The studenten must attend at least 75 % of the teaching., 1 approved exercise assignment .

Recommended previous knowledge: Skills equivalent to one year of university studies, including basic courses in religious studies.

Required previous knowledge: None.

Learning objectives: The objective is to train students to: - Analyse the roles which religion plays both for trans-national actors and international organisations, and their conceptions of nation, ethnicity and science. - Analyse how religion is expressed by these actors and organisations in current global debates about democracy, human rights, and science, and their reception in national debates about multiculturalism and integration. - Distinguish between research problems and policy problems.

Academic content: The course focuses on the activities of trans-national actors and international organisations, and the conceptions of religion, nation, ethnicity and science which guide them. Regional focus is mainly (but not exclusively) the Middle East. Examples of relevant problem-areas are debates about multiculturalism and integration on national levels, and the corresponding debates about democracy, human rights, science, natural resources, and security on the level of the global society. The course will also provide further study of the methodological and theoretical issues related to the study of religion, as well as deeper study of selected topics in the history of the discipline. The course will thereby provide a further understanding of various approaches, how theories are formed, and related issues.

Course materials: The required reading list will be available at the beginning of the semester.

Teaching methods and activities: The teaching consists of lectures and seminars. The lectures and seminars aim at outlining broad frameworks for thinking about the issues which are treated in the course readings, and raising the policy issues touched upon. In order to take the exam the students are required to attend a minimum of 75% of the teaching, and a written exercise assignment (2000-2500 words) must be submitted and approved by a deadline announced at the beginning of the semester. The exam consists of a written assignment (3000-4000 words).

Assessment: Assignment

Forms of assessment	Time	Percentage	Deadline
Assignment	4 Weeks		

POL3517 International development: The Effects of Politics, Institutions and International Economy

Teaching: Spring: 15.0 Cr

Language of instruction: English

Grade: Letter grade

Compulsory assignments: Approved 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			

Global Technology Management

TIØ4295 Managerial Economics

Teaching: Autumn: 7.5 Cr

Language of instruction: Norwegian

Credit reduction: TIØ4116: 3.7 Cr, TIØ4115: 3.7 Cr

Grade: Letter grade

Compulsory assignments: None

Recommended previous knowledge: TIØ4258 Technology Management or similar courses.

Learning objectives: This course will give the students an introduction to managerial economics and decision science with basis in industrial cases.

Academic content: The content will cover basic managerial economics and managerial decision science. The course starts with the role of management accounting in the organization. Other topics covered are; cost- and profit analysis, adapting to different market environments, budgeting, product optimization under various restrictions, capital investment analysis, performance measurement, and financial statement analysis. Applications of methods/theory are performed with relevant data and usage of Excel.

Course materials: Information is given at the start of the semester.

Teaching methods and activities: Lectures and mandatory exercises. In the evaluation the final exam (written) counts 100% for the final grade. Postponed/repeated exams may be oral.

Assessment: Written examination

Forms of assessment	Time	Percentage	Deadline
Written examination	4 Hours		

TPK4160 Value Chain Control and Applied Decision Support

Teaching: Autumn: 7.5 Cr

Language of instruction: English

Grade: Letter grade

Compulsory assignments: Exercises and a paper

Recommended previous knowledge: TPK4100 Operation Management, TPK4135 Production Logistics.

Learning objectives: Knowledge:

- Profound and specialized knowledge about modern management of logistic operations in the supply chain of manufacturing and trading enterprises, with emphasis on management and design, ICT, and decision support.
- Thorough understanding of the supply chain system, its components and processes, utilization of ICT and the establishment, management and improvement of supply chains.
- Understanding and application of relevant models, analytical tools and methods.
- Insight into what constitute core technologies within the respective processes.

- Training in scientific solution of industrial problems and report-writing.
- Skills:
- Ability to apply acquired knowledge for developing holistic solutions within management of industrial supply chains and identify opportunities for innovation.
- Ability to transform theories to practical application based on well-founded choices of relevant alternative solutions.
- Critically and independently evaluate analytical tools, methods, technical models and solutions.
- Carry out an independent and technical engineering research or development project under supervision.

General competence (attitudes):

- Understand the role of logistics in a broader societal perspective.
- Cooperate and contribute to multidisciplinary interaction.
- Communicate technical logistic problems and solutions.

Academic content: Logistical operations in the supply chain systems: This contains theoretical aspects of supply chain management as well as major characteristics of the supply chain as product, customer/market, deliveries and distribution, production, replenishment, ICT, planning and forecasting. Methods for mapping, analyzing, simulation and operation research will be applied for supply chain design and allocation of resources, localization of manufacturing, inventory and distribution and environment- and cost considerations.

Course materials: Will be given at the beginning of the semester. The literature and prescribed text is English.

Teaching methods and activities: The lectures will be given in English. The main learning model consist of the following elements: Ordinary lecturers, guest lecturers and industry visit, exercises consisting of case examples, simulation and supply chain management game, an industrial assignment. The written exam counts for 60% and the assignment for 40% of the final grade. 5 out of 8 exercises shall be approved and the assignment hand in before the exam. If there is a re-sit examination, the examination form may be changed from written to oral. 2-3 guest lectures from relevant industrial companies.

Assessment: Written examination/Work

Forms of assessment	Time	Percentage	Deadline
Written examination	4 Hours	60/100	
Work		40/100	

TIØ4195 Environmental Management and Corporate Governance

Teaching: Autumn: 7.5 Cr

Language of instruction: English

Credit reduction: SIS1047: 7.5 Cr, TIØ4195(v.1): 7.5 Cr

Grade: Letter grade

Compulsory assignments: Exercises

Recommended previous knowledge: The course is compulsory for students in the master programme of Safety, Health and Environment, and can be chosen by students at the Indecol programme.

Learning objectives: The subject shall give knowledge, understanding and skills to support the endeavors for sustainability, better environmental management and industrial practice under the vision of sustainable development and corporate social responsibility. The subject

shall give understanding of ethical dilemmas and show connections between environmental and social responsibility in global value chains.

Academic content: The course departs from the principles of UNs Global Compact, the Global Reporting Initiatives GRI and Corporate Social Responsibility CSR, national and international environmental status and policy. It gives further insight into how environmental requirement from customers, authorities and other stakeholder in industrial networks and society impact the organization's situation regarding competitiveness in a life cycle perspective. It further includes environmental management, CSR, legislation, international standards like EMAS and ISO-14000-standards. Special attention is given to tools for environmental management like environmental analyses, LCA, environmental accounting, performance indicators, business environmental, sustainability reporting, environmental product declarations and auditing methodology. The system perspective is fundamental for the understanding of the interactions between the companies and the society wherein they operate.

Course materials: Is given at semester start.

Teaching methods and activities: Lectures and group based student works like lecturer, presentations and project work / field work connected to a company. Portfolio assessment is the basis for the grade in the course. The portfolio includes a final written exam (60%) and exercises (40%). The results for the parts are given in %-scores, while the entire portfolio is assigned a letter grade. Postponed/repeated exams may be oral.

Assessment: Portfolio assessment

Forms of assessment	Time	Percentage	Deadline
Work		40/100	
Written examination	4 Hours	60/100	

TDT4245 Cooperation Technology

Teaching: Autumn: 7.5 Cr

Language of instruction: English

Credit reduction: AVS2220: 1.5 Cr, KULT2201: 3.0 Cr, AVS2220: 3.0 Cr, KULT2201: 1.5 Cr, SIF8058: 7.5 Cr

Grade: Letter grade

Compulsory assignments: Exercises

Recommended previous knowledge: TDT4140 Software Engineering, or contact the teacher.

Learning objectives: The course aims at giving students a basic knowledge of computer supported cooperative work (CSCW). This knowledge should allow students to compare and choose different solutions for supporting cooperative work as well as design new technologies.

Academic content: Computer supported cooperative Work (CSCW), coordination, shared workspaces, cooperation support for nomadic users, design and evaluation of cooperative technologies.

Course materials: Compendium available at course start.

Teaching methods and activities: Lectures and exercises. The course will be taught in English if there are students that do not speak Norwegian. If there is a re-sit examination, the examination form may change from written to oral.

Assessment: Written examination

Forms of assessment	Time	Percentage	Deadline
Written examination	4 Hours		

TPK5100 Project Planning and Control

Teaching: Autumn: 7.5 Cr

Language of instruction: English

Credit reduction: TPK4115: 7.5 Cr

Grade: Letter grade

Compulsory assignments: Assignments

Learning objectives: The course aims to give the students through:

- Understanding to characteristics and success factors for project work.
- Understanding and training in methods for scope planning, time planning, estimation, risk management, project monitoring and control.

Academic content: Management and project management, success factors, project goals and objectives. Project organization, Project phases and life-cycle, Project structure, scope, and WBS, Project time schedules, cost and resources planning. Monitoring and controlling projects, Reporting progress. Project risk management.

Course materials: To be given at start up.

Teaching methods and activities: Combination of lectures, in-class- assignments, hand-in exercises, group based assignments and student presentations. If there is a re-sit examination, the examination form may be changed from written to oral. Instructions are given in English

Assessment: Written examination

Forms of assessment	Time	Percentage	Deadline
Written examination	4 Hours		

TIØ4175 Purchasing and Logistics Management

Teaching: Spring: 7.5 Cr

Language of instruction: English

Credit reduction: SIS1036(v.2): 7.5 Cr

Grade: Letter grade

Compulsory assignments: None

Recommended previous knowledge: Requires TIØ4265 Strategic Management or similar background.

Learning objectives: The course aims to provide insight into purchasing and logistics, and in particular, how companies are connected to each other in value chains and networks dominated by economic transactions. It is expected that students who take the course understand and master central concepts within the field as well as the challenges that the management in a company face when organizing logistics and purchasing activities in order to contribute to value creation as well as interact with the environment of the company.

Academic content: Historical development of the discipline; strategic issues and co-ordination of manufacturing, purchasing and logistics; economic considerations related to logistical and purchasing decisions; logistics and purchasing as strategic tools; sourcing strategies and strategies for selection of suppliers; organization and control of the purchasing function; development of supplier relationships and networks; as well as use of information and communication technology within the fields of logistics and purchasing.

Course materials: To be announced by the start of the semester.

Teaching methods and activities: Lectures and assignments. The course will be taught in English and all course material is in English. Portfolio assessment is the basis for the grade in the course. The portfolio includes a final written exam (60%) and exercises (40%). The results for the parts are given in %-scores, while the entire portfolio is assigned a letter grade. If there is a re-sit examination, the examination form may change from written to oral.

Assessment: Portfolio assessment

Forms of assessment	Time	Percentage	Deadline
Work		40/100	
Written examination	3 Hours	60/100	

TPK4180 Manufacturing Strategy

Teaching: Spring: 7.5 Cr

Language of instruction: English

Grade: Letter grade

Compulsory assignments: Exercises

Recommended previous knowledge: TPK4100 Operations Management or similar knowledge.

Learning objectives: Knowledge:

The course provides knowledge about manufacturing strategy, and how such strategies can be developed for global enterprises.

Skills:

The course will provide skills to establish, structure, and manage global manufacturing enterprises in such a way that the overall competitiveness is improved.

General competence (attitudes):

Understand the challenges facing manufacturing enterprises as they compete on the global playing field, and cooperate and contribute to multidisciplinary interaction.

Academic content: In this course, manufacturing and logistics is viewed from a strategic perspective. The following topics will be covered: Globalization and the implications for manufacturing. Strategic concepts, decisions areas, and development processes. Localization of factories and processes. Engineering and establishment of manufacturing enterprises. Sourcing and automation strategies. Performance measurement, productivity improvement, and control in global value chains. Strategic network development, technology transfer, and use of best practices. The course includes several industrial cases, which will enhance the students' analytical and communicative skills within these topics.

Course materials: Beckman, Sara L., Rosenfield, Donald B. (2008) Operations Strategy: Competing in the 21st Century. McGraw Hill.

Teaching methods and activities: Lectures, exercises and project work. If the teaching is given in English the Examination papers will be given in English only. Students are free to choose Norwegian or English for written assessments. Admission to taking the exam requires 2/3 of the exercises to have been approved.

Assessment: Oral examination

Forms of assessment	Time	Percentage	Deadline
Oral examination			

TPK4135 Logistics and Production Management

Teaching: Spring: 7.5 Cr

Language of instruction: English

Credit reduction: SIO3047: 7.5 Cr

Grade: Letter grade

Compulsory assignments: Short article, Exercises

Recommended previous knowledge: Knowledge corresponding to TPK4100 Operation Management.

Learning objectives: The subject is to give the students basic understanding for the logistics- and control processes in a manufacturing company, together with knowledge about principles, tools and systems to analyze, develop and perform these processes.

Academic content: Operation and control models for production and logistics. Control principles. MRP/MRP II/ERP: Material Requirements Planning, Manufacturing Resource Planning, Enterprise Resource Planning. Japanese Production philosophy, Lean Manufacturing, Toyota Production System, Kanban, Optimized Production Technology. Inventory control.

Operational planning and control. Group technology, layout and material flow analysis. ICT-systems in Operations Management.

Course materials: Will be given at the beginning of the semester.

Teaching methods and activities: Lectures and team based exercises concerning a real case. The lectures and exercises are in English when students who do not speak Norwegian take the course. At postponed exam (re-sit examination), a written exam may be changed to an oral exam.

Assessment: Written examination

Forms of assessment	Time	Percentage	Deadline
Written examination	4 Hours		

Internship

RVI3011 Internship/Work Project

Teaching: Both autumn and spring: 22.5 Cr

Language of instruction: English

Grade: Pass/Fail

Compulsory assignments: None

Required previous knowledge: Bachelor's degree in humanities, social sciences or technology. Requires admission to the Master's programme in Globalization.

Learning objectives: The learning objectives are to develop and build the personal, academic and professional capacities of the students by allowing them to research and manage an individual work project within a global company/organization, or a work project at NTNU in cooperation with an international company/organization, using interdisciplinary approaches. The students will gain an interdisciplinary perspective on their studies. They will also gain insights in the relations between globalization processes and company strategies related to cross cultural management or technology and knowledge transfer across cultural boundaries, which happen in the interaction between economics and culture.

Academic content: The students in the Global Politics and Globalization specialization will undertake an internship project and must complete an assignment. The assignment has to fulfill the academic requirements of a master's level programme. The assignment has to be an academic piece of work which has to refer to, or include parts of, the internship project. The following are examples of the areas of research covered by the course, and which the internship project could relate to: International Political Economy, International Relations, Social Change, Marginalization and Mobility, Conflict and Peace, Cultural Knowledge, Cross-cultural Management, Knowledge and Technology Transfer and Translation. The students in the Global Technology Management specialization will undertake a work project at NTNU, linked to the university's cooperation projects with industry, on a topic relevant for globalization. The following are examples of the areas of research covered by the course, and which the internship project could relate to: Production Strategy, Technology and ICT Management, Supply Chain Management, Operations Management or Project Management. The Global Technology Management students must write an assignment which fulfils the academic requirements of a master's level programme. The assignment has to be an academic piece of work which has to refer to, or include parts of, the work project.

Teaching methods and activities: The students from both specializations will have individual supervision from both NTNU and the internship/work place. The assignment is to be submitted to the student's NTNU supervisor. A compulsory written assignment relating to the internship/work project (between 30 and 40 pages; 12 pt, 1.5 spacing) should be submitted to the NTNU supervisor by 15 December. The assignment will be given a pass/fail grade by the NTNU supervisor.

Assessment: Report

Forms of assessment	Time	Percentage	Deadline
Approved report			

RVI3012 Internship/Work Project

Teaching: Both autumn and spring: 30.0 Cr

Grade: Pass/Fail

Compulsory assignments: None

Required previous knowledge: Bachelor’s degree in humanities, social sciences or technology. Requires admission to the Master’s programme in Globalization.

Learning objectives: The learning objectives are to develop and build the personal, academic and professional capacities of the students by allowing them to research and manage an individual work project within a global company/organization, or a work project at NTNU in cooperation with an international company/organization, using interdisciplinary approaches. The students will gain an interdisciplinary perspective on their studies. They will also gain insights in the relations between globalization processes and company strategies related to cross cultural management or technology and knowledge transfer across cultural boundaries, which happen in the interaction between economics and culture.

Academic content: The students in the Global Politics and Globalization specialization will undertake an internship project and must complete an assignment. The assignment has to fulfill the academic requirements of a master’s level programme. The assignment has to be an academic piece of work which has to refer to, or include parts of, the internship project. The following are examples of the areas of research covered by the course, and which the internship project could relate to: International Political Economy, International Relations, Social Change, Marginalization and Mobility, Conflict and Peace, Cultural Knowledge, Cross-cultural Management, Knowledge and Technology Transfer and Translation. The students in the Global Technology Management specialization will undertake a work project at NTNU, linked to the university’s cooperation projects with industry, on a topic relevant for globalization. The following are examples of the areas of research covered by the course, and which the internship project could relate to: Production Strategy, Technology and ICT Management, Supply Chain Management, Operations Management or Project Management. The Global Technology Management students must write an assignment which fulfils the academic requirements of a master’s level programme. The assignment has to be an academic piece of work which has to refer to, or include parts of, the work project.

Teaching methods and activities: The students from both specializations will have individual supervision from both NTNU and the internship/work place. The assignment is to be submitted to the student’s NTNU supervisor. A compulsory written assignment relating to the internship/work project (between 50 and 55 pages; 12 pt, 1.5 spacing) should be submitted to the NTNU supervisor by 15 December. The assignment will be given a pass/fail grade by the NTNU supervisor.

Assessment: Report

Forms of assessment	Time	Percentage	Deadline
Approved report			

HIST3011 Internship/Work Project

Teaching: Autumn: 22.5 Cr

Language of instruction: English

Grade: Pass/Fail

Compulsory assignments: None

Required previous knowledge: Bachelor’s degree in humanities, social sciences or technology. Requires admission to the Master’s programme in Globalization.

Learning objectives: The learning objectives are to develop and build the personal, academic and professional capacities of the students by allowing them to research and manage an individual work project within a global company/organization, or a work project at NTNU in cooperation with an international company/organization, using interdisciplinary approaches.

Academic content: The students in the Global Politics and Globalization specialization will undertake an internship project and must complete an assignment. The assignment has to fulfill the academic requirements of a master's level programme. The assignment has to be an academic piece of work which has to refer to, or include parts of, the internship project. The following are examples of the areas of research covered by the course, and which the internship project could relate to: International Political Economy, International Relations, Social Change, Marginalization and Mobility, Conflict and Peace, Cultural Knowledge, Cross-cultural Management, Knowledge and Technology Transfer and Translation. The students in the Global Technology Management specialization will undertake a work project at NTNU, linked to the university's cooperation projects with industry, on a topic relevant for globalization. The following are examples of the areas of research covered by the course, and which the internship project could relate to: Production Strategy, Technology and ICT Management, Supply Chain Management, Operations Management or Project Management. The Global Technology Management students must write an assignment which fulfils the academic requirements of a master's level programme. The assignment has to be an academic piece of work which has to refer to, or include parts of, the work project.

Teaching methods and activities: The students from both specializations will have individual supervision from both NTNU and the internship/work place. The assignment is to be submitted to the student's NTNU supervisor. A compulsory written assignment relating to the internship/work project (between 30 and 40 pages; 12 pt, 1.5 spacing) should be submitted to the NTNU supervisor by 15 December. The assignment will be given a pass/fail grade by the NTNU supervisor.

Assessment: Report

Forms of assessment	Time	Percentage	Deadline
Approved report			

HIST3012 Internship/Work Project

Teaching: Autumn: 30.0 Cr

Grade: Pass/Fail

Compulsory assignments: None

Required previous knowledge: Bachelor's degree in humanities, social sciences or technology. Requires admission to the Master's programme in Globalization.

Learning objectives: The learning objectives are to develop and build the personal, academic and professional capacities of the students by allowing them to research and manage an individual work project within a global company/organization, or a work project at NTNU in cooperation with an international company/organization, using interdisciplinary approaches.

Academic content: The students in the Global Politics and Globalization specialization will undertake an internship project and must complete an assignment. The assignment has to fulfill the academic requirements of a master's level programme. The assignment has to be an academic piece of work which has to refer to, or include parts of, the internship project. The following are examples of the areas of research covered by the course, and which the internship project could relate to: International Political Economy, International Relations, Social Change, Marginalization and Mobility, Conflict and Peace, Cultural Knowledge, Cross-cultural Management, Knowledge and Technology Transfer and Translation. The students in the Global Technology Management specialization will undertake a work project at NTNU, linked to the university's cooperation projects with industry, on a topic relevant for globaliza-

tion. The following are examples of the areas of research covered by the course, and which the internship project could relate to: Production Strategy, Technology and ICT Management, Supply Chain Management, Operations Management or Project Management. The Global Technology Management students must write an assignment which fulfils the academic requirements of a master's level programme. The assignment has to be an academic piece of work which has to refer to, or include parts of, the work project.

Teaching methods and activities: The students from both specializations will have individual supervision from both NTNU and the internship/work place. The assignment is to be submitted to the student's NTNU supervisor. A compulsory written assignment relating to the internship/work project (between 50 and 55 pages; 12 pt, 1.5 spacing) should be submitted to the NTNU supervisor by 15 December. The assignment will be given a pass/fail grade by the NTNU supervisor.

Assessment: Report

Forms of assessment	Time	Percentage	Deadline
Approved report			

GEOG3011 Internship/Work Project

Teaching: Autumn: 22.5 Cr

Language of instruction: English

Grade: Pass/Fail

Compulsory assignments: Assignment

Required previous knowledge: Requires admission to the Master's programme in Globalization.

Learning objectives: The learning objectives are to develop and build the personal, academic and professional capacities of the students by allowing them to research and manage an individual work project within a global company/organization, or a work project at NTNU in cooperation with an international company/organization, using interdisciplinary approaches.

Academic content: The students in the Global Politics and Globalization specialization will undertake an internship project and must complete an assignment. The assignment has to fulfill the academic requirements of a master's level programme. The assignment has to be an academic piece of work which has to refer to, or include parts of, the internship project. The following are examples of the areas of research covered by the course, and which the internship project could relate to: International Political Economy, International Relations, Social Change, Marginalization and Mobility, Conflict and Peace, Cultural Knowledge, Cross-cultural Management, Knowledge and Technology Transfer and Translation. The students in the Global Technology Management specialization will undertake a work project at NTNU, linked to the university's cooperation projects with industry, on a topic relevant for globalization. The following are examples of the areas of research covered by the course, and which the internship project could relate to: Production Strategy, Technology and ICT Management, Supply Chain Management, Operations Management or Project Management. The Global Technology Management students must write an assignment which fulfils the academic requirements of a master's level programme. The assignment has to be an academic piece of work which has to refer to, or include parts of, the work project.

Teaching methods and activities: The students from both specializations will have individual supervision from both NTNU and the internship/work place. The assignment is to be submitted to the student's NTNU supervisor. A compulsory written assignment relating to the internship/work project (between 30 and 40 pages; 12 pt, 1.5 spacing) should be submitted to the NTNU supervisor by 15 December. The assignment will be given a pass/fail grade by the NTNU supervisor.

Assessment: Report

Forms of assessment	Time	Percentage	Deadline
Approved report			

GEOG3012 Internship/Work Project**Teaching:** Autumn: 30.0 Cr**Grade:** Pass/Fail**Compulsory assignments:** Assignment**Required previous knowledge:** Requires admission to the Master's programme in Globalization.**Learning objectives:** The learning objectives are to develop and build the personal, academic and professional capacities of the students by allowing them to research and manage an individual work project within a global company/organization, or a work project at NTNU in cooperation with an international company/organization, using interdisciplinary approaches.**Academic content:** The students in the Global Politics and Globalization specialization will undertake an internship project and must complete an assignment. The assignment has to fulfill the academic requirements of a master's level programme. The assignment has to be an academic piece of work which has to refer to, or include parts of, the internship project. The following are examples of the areas of research covered by the course, and which the internship project could relate to: International Political Economy, International Relations, Social Change, Marginalization and Mobility, Conflict and Peace, Cultural Knowledge, Cross-cultural Management, Knowledge and Technology Transfer and Translation. The students in the Global Technology Management specialization will undertake a work project at NTNU, linked to the university's cooperation projects with industry, on a topic relevant for globalization. The following are examples of the areas of research covered by the course, and which the internship project could relate to: Production Strategy, Technology and ICT Management, Supply Chain Management, Operations Management or Project Management. The Global Technology Management students must write an assignment which fulfils the academic requirements of a master's level programme. The assignment has to be an academic piece of work which has to refer to, or include parts of, the work project.**Teaching methods and activities:** The students from both specializations will have individual supervision from both NTNU and the internship/work place. The assignment is to be submitted to the student's NTNU supervisor. A compulsory written assignment relating to the internship/work project (between 50 and 55 pages; 12 pt, 1.5 spacing) should be submitted to the NTNU supervisor by 15 December. The assignment will be given a pass/fail grade by the NTNU supervisor.**Assessment:** Report

Forms of assessment	Time	Percentage	Deadline
Approved report			

POL3011 Internship/Work Project**Teaching:** Autumn: 22.5 Cr**Language of instruction:** English**Grade:** Pass/Fail**Compulsory assignments:** Assignment**Required previous knowledge:** Requires admission to the Master's programme in Globalization, specialization Global Politics and Culture.**Learning objectives:** The learning objectives are to develop and build the personal, academic and professional capacities of the students by allowing them to research and manage an individual work project within a global company/organization, or a work project at NTNU in cooperation with an international company/organization, using interdisciplinary approaches.

Academic content: The students in the Global Politics and Globalization specialization will undertake an internship project and must complete an assignment. The assignment has to fulfill the academic requirements of a master's level programme. The assignment has to be an academic piece of work which has to refer to, or include parts of, the internship project. The following are examples of the areas of research covered by the course, and which the internship project could relate to: International Political Economy, International Relations, Social Change, Marginalization and Mobility, Conflict and Peace, Cultural Knowledge, Cross-cultural Management, Knowledge and Technology Transfer and Translation. The students in the Global Technology Management specialization will undertake a work project at NTNU, linked to the university's cooperation projects with industry, on a topic relevant for globalization. The following are examples of the areas of research covered by the course, and which the internship project could relate to: Production Strategy, Technology and ICT Management, Supply Chain Management, Operations Management or Project Management. The Global Technology Management students must write an assignment which fulfils the academic requirements of a master's level programme. The assignment has to be an academic piece of work which has to refer to, or include parts of, the work project.

Teaching methods and activities: The students from both specializations will have individual supervision from both NTNU and the internship/work place. The assignment is to be submitted to the student's NTNU supervisor. A compulsory written assignment relating to the internship/work project (between 30 and 40 pages; 12 pt, 1.5 spacing) should be submitted to the NTNU supervisor by 15 December. The assignment will be given a pass/fail grade by the NTNU supervisor.

Assessment: Report

Forms of assessment	Time	Percentage	Deadline
Approved report			

POL3012 Internship/Work Project

Teaching: Autumn: 30.0 Cr

Grade: Pass/Fail

Compulsory assignments: Assignment

Required previous knowledge: Admission to the MSc Globalization

Learning objectives: The learning objectives are to develop and build the personal, academic and professional capacities of the students by allowing them to research and manage an individual work project within a global company/organization, or a work project at NTNU in cooperation with an international company/organization, using interdisciplinary approaches.

Academic content: The students in the Global Politics and Globalization specialization will undertake an internship project and must complete an assignment. The assignment has to fulfill the academic requirements of a master's level programme. The assignment has to be an academic piece of work which has to refer to, or include parts of, the internship project. The following are examples of the areas of research covered by the course, and which the internship project could relate to: International Political Economy, International Relations, Social Change, Marginalization and Mobility, Conflict and Peace, Cultural Knowledge, Cross-cultural Management, Knowledge and Technology Transfer and Translation. The students in the Global Technology Management specialization will undertake a work project at NTNU, linked to the university's cooperation projects with industry, on a topic relevant for globalization. The following are examples of the areas of research covered by the course, and which the internship project could relate to: Production Strategy, Technology and ICT Management, Supply Chain Management, Operations Management or Project Management. The Global Technology Management students must write an assignment which fulfils the academic re-

quirements of a master's level programme. The assignment has to be an academic piece of work which has to refer to, or include parts of, the work project.

Teaching methods and activities: The students from both specializations will have individual supervision from both NTNU and the internship/work place. The assignment is to be submitted to the student's NTNU supervisor. A compulsory written assignment relating to the internship/work project (between 50 and 55 pages; 12 pt, 1.5 spacing) should be submitted to the NTNU supervisor by 15 December. The assignment will be given a pass/fail grade by the NTNU supervisor.

Assessment: Report

Forms of assessment	Time	Percentage	Deadline
Approved report			

IØ3011

Master's Thesis

RVI3910 Master's Thesis in Globalization

Teaching: Spring: 30.0 Cr

Language of instruction: English

Grade: Letter grade

Compulsory assignments: Project proposal

Required previous knowledge: Bachelor's degree in humanities, social sciences or technology. Requires admission to the Master's programme in Globalization. The student must have completed 90 ECTS/credits within the programme.

Learning objectives: The students should be able to treat a specialized topic in an academic manner. The students will be trained in the formulation of research questions and in gathering and analyzing data. The students will achieve an extended competence in analyzing processes of change related to globalization.

Academic content: The academic content of the Master's thesis must include a scientific investigation of a theme related to globalization. The thesis must be written in English. It should be between 50 and 70 pages (12 pt, 1.5 spacing), and should demonstrate the student's ability to carry out an independent scientific research task. The contents of the thesis should fulfill an academic level appropriate to a Master's level course, and relate to aspects of the interdisciplinary framework of the taught course element of the Master's programme. The topic for the Master's thesis is selected in consultation with a supervisor. The students in the Global Technology Management specialization will write their thesis in an international company or organization. The students in the Global Politics and Culture specialization will normally write their thesis at NTNU.

Teaching methods and activities: Individual supervision. Compulsory assignments: A project summary of 300 words should be written in the third semester followed by a more detailed proposal in the form of a written outline of the thesis (around 5 pages) at the beginning of the fourth semester. Both project summary and project proposal should be submitted to the supervisor. Assessment: Thesis and oral examination. The deadline for submission of the Master's thesis is normally 1 May. The student must have passed all courses in the Master's programme before the Master's thesis can be submitted. The Master's thesis must be approved before the student can present herself/himself for the 30 minute oral examination related to the Master's thesis. The oral examination is held in English. The grade for the Master's thesis may be adjusted after the oral examination.

Assessment: Master's thesis

Forms of assessment	Time	Percentage	Deadline
Assignment	30 Minutes		
Oral examination		1/1	

HIST3910 Master’s Thesis in Globalization

Teaching: Spring: 30.0 Cr

Language of instruction: English

Grade: Letter grade

Compulsory assignments: Project proposal

Required previous knowledge: Bachelor’s degree in humanities, social sciences or technology. Requires admission to the Master’s Programme in Globalization. The student must have completed 90 ECTS/credits within the programme.

Learning objectives: The students should be able to treat a specialized topic in an academic manner. The students will be trained in the formulation of research questions and in gathering and analyzing data. The students will achieve an extended competence in analyzing processes of change related to globalization.

Academic content: The academic content of the Master’s thesis must include a scientific investigation of a theme related to globalization. The thesis must be written in English. It should be between 50 and 70 pages (12 pt, 1.5 spacing), and should demonstrate the student’s ability to carry out an independent scientific research task. The contents of the thesis should fulfill an academic level appropriate to a Master’s level course, and relate to aspects of the interdisciplinary framework of the taught course element of the Master’s programme. The topic for the Master’s thesis is selected in consultation with a supervisor. The students in the Global Technology Management specialization will write their thesis in an international company or organization. The students in the Global Politics and Culture specialization will normally write their thesis at NTNU.

Teaching methods and activities: Individual supervision. Compulsory assignments: A project summary of 300 words should be written in the third semester followed by a more detailed proposal in the form of a written outline of the thesis (around 5 pages) at the beginning of the fourth semester. Both project summary and project proposal should be submitted to the supervisor. Assessment: Thesis and oral examination. The deadline for submission of the Master’s thesis is normally 1 May. The student must have passed all courses in the Master’s programme before the Master’s thesis can be submitted. The Master’s thesis must be approved before the student can present herself/himself for the 30 minute oral examination related to the Master’s thesis. The oral examination is held in English. The grade for the Master’s thesis may be adjusted after the oral examination.

Assessment: Master’s thesis

Forms of assessment	Time	Percentage	Deadline
Assignment		1/1	
Oral examination	30 Minutes		

GEOG3910 Master’s Thesis in Globalization

Teaching: Spring: 30.0 Cr

Language of instruction: English

Grade: Letter grade

Compulsory assignments: Project proposal

Required previous knowledge: Requires admission to the Master’s programme in Globalization. The student must have completed 90 ECTS/credits within the programme.

Learning objectives: The students should be able to treat a specialized topic in an academic manner. The students will be trained in the formulation of research questions and in gathering and analyzing data. The students will achieve an extended competence in analyzing processes of change related to globalization.

Academic content: The academic content of the Master’s thesis must include a scientific investigation of a theme related to globalization. The thesis must be written in English. It

should be between 50 and 70 pages (12 pt, 1.5 spacing), and should demonstrate the student's ability to carry out an independent scientific research task. The contents of the thesis should fulfill an academic level appropriate to a Master's level course, and relate to some of the aspects of the interdisciplinary framework of the taught course element of the Master's programme. The topic for the Master's thesis is selected in consultation with a supervisor. The students in the Global Technology Management specialization will write their thesis in an international company or organization. The students in the Global Politics and Culture specialization will normally write their thesis at NTNU.

Teaching methods and activities: Individual supervision. Compulsory assignments: A project summary of 300 words should be written in the third semester followed by a more detailed proposal in the form of a written outline of the thesis (around 5 pages) at the beginning of the fourth semester. Both project summary and project proposal should be submitted to the supervisor. Assessment: Thesis and oral examination. The deadline for submission of the Master's thesis is normally 1 May. The student must have passed all courses in the Master's programme before the Master's thesis can be submitted. The Master's thesis must be approved before the student can present herself/himself for the 30 minute oral examination related to the Master's thesis. The oral examination is held in English. The grade for the Master's thesis may be adjusted after the oral examination.

Assessment: Thesis

Forms of assessment	Time	Percentage	Deadline
Thesis		1/1	
Oral examination	30 Minutes		

POL3910 Master's Thesis in Globalization

Teaching: Both autumn and spring: 30.0 Cr

Language of instruction: English

Grade: Letter grade

Compulsory assignments: Project proposal

Required previous knowledge: Requires admission to the Master's programme in Globalization. The student must have completed 90 ECTS/credits within the programme.

Learning objectives: The students should be able to treat a specialized topic in an academic manner. The students will be trained in the formulation of research questions and in gathering and analyzing data. The students will achieve an extended competence in analyzing processes of change related to globalization.

Academic content: The academic content of the Master's thesis must include a scientific investigation of a theme related to globalization. The thesis must be written in English. It should be between 50 and 70 pages (12 pt, 1.5 spacing), and should demonstrate the student's ability to carry out an independent scientific research task. The contents of the thesis should fulfill an academic level appropriate to a Master's level course, and relate to aspects of the interdisciplinary framework of the taught course element of the Master's programme. The topic for the Master's thesis is selected in consultation with a supervisor. The students in the Global Technology Management specialization will write their thesis in an international company or organization. The students in the Global Politics and Culture specialization will normally write their thesis at NTNU.

Teaching methods and activities: Individual supervision. Compulsory assignments: A project summary of 500 words should be written in the third semester followed by a more detailed proposal in the form of a written outline of the thesis (around 5 pages) at the beginning of the fourth semester. Both project summary and project proposal should be submitted to the supervisor. Assessment: Thesis and oral examination. The deadline for submission of the Master's thesis is May 15th. The student must have passed all courses in the Master's programme

before the Master's thesis can be submitted. The Master's thesis must be approved before the student can present herself/himself for the 30 minute oral examination related to the Master's thesis. The oral examination is held in English. The grade for the Master's thesis may be adjusted after the oral examination.

Assessment: Thesis

Forms of assessment	Time	Percentage	Deadline
Thesis		1/1	
Oral examination	30 Minutes		

KULT3910 Master's Thesis in Globalization

Teaching: Spring: 30.0 Cr

Language of instruction: English

Grade: Letter grade

Compulsory assignments: Project proposal

Required previous knowledge: Bachelor's degree in humanities, social sciences or technology. Requires admission to the Master's Programme in Globalization. The student must have completed 90 ECTS/credits within the programme.

Learning objectives: The students should be able to treat a specialized topic in an academic manner. The students will be trained in the formulation of research questions and in gathering and analyzing data. The students will achieve an extended competence in analyzing processes of change related to globalization.

Academic content: The academic content of the Master's thesis must include a scientific investigation of a theme related to globalization. The thesis must be written in English. It should be between 50 and 70 pages (12 pt, 1.5 spacing), and should demonstrate the student's ability to carry out an independent scientific research task. The contents of the thesis should fulfill an academic level appropriate to a Master's level course, and relate to aspects of the interdisciplinary framework of the taught course element of the Master's programme. The topic for the Master's thesis is selected in consultation with a supervisor. The students in the Global Technology Management specialization will write their thesis in an international company or organization. The students in the Global Politics and Culture specialization will normally write their thesis at NTNU.

Teaching methods and activities: Individual supervision. Compulsory assignments: A project summary of 300 words should be written in the third semester followed by a more detailed proposal in the form of a written outline of the thesis (around 5 pages) at the beginning of the fourth semester. Both project summary and project proposal should be submitted to the supervisor. Assessment: Thesis and oral examination. The deadline for submission of the Master's thesis is normally 1 May. The student must have passed all courses in the Master's programme before the Master's thesis can be submitted. The Master's thesis must be approved before the student can present herself/himself for the 30 minute oral examination related to the Master's thesis. The oral examination is held in English. The grade for the Master's thesis may be adjusted after the oral examination.

Assessment: Master's thesis

Forms of assessment	Time	Percentage	Deadline
Assignment		1/1	
Oral examination	30 Minutes		

SANT3910 Master's Thesis in Globalization

Teaching: Both autumn and spring: 30.0 Cr

Language of instruction: English

Grade: Letter grade

Compulsory assignments: None

Required previous knowledge: Requires admission to the Master's programme in Globalization. The student must have completed 90 ECTS/credits within the programme.

Learning objectives: The students should be able to treat a specialized topic in an academic manner. The students will be trained in the formulation of research questions and in gathering and analyzing data. The students will achieve an extended competence in analyzing processes of change related to globalization.

Academic content: The academic content of the Master's thesis must include a scientific investigation of a theme related to globalization. The thesis must be written in English. It should be between 50 and 70 pages (12 pt, 1.5 spacing), and should demonstrate the student's ability to carry out an independent scientific research task. The contents of the thesis should fulfill an academic level appropriate to a Master's level course, and relate to some of the aspects of the interdisciplinary framework of the taught course element of the Master's programme. The topic for the Master's thesis is selected in consultation with a supervisor. The students in the Global Technology Management specialization will write their thesis in an international company or organization. The students in the Global Politics and Culture specialization will normally write their thesis at NTNU.

Teaching methods and activities: Individual supervision. Compulsory assignments: A project summary of 300 words should be written in the third semester followed by a more detailed proposal in the form of a written outline of the thesis (around 5 pages) at the beginning of the fourth semester. Both project summary and project proposal should be submitted to the supervisor. Assessment: Thesis and oral examination. The deadline for submission of the Master's thesis is normally 1 May. The student must have passed all courses in the Master's programme before the Master's thesis can be submitted. The Master's thesis must be approved before the student can present herself/himself for the 30 minute oral examination related to the Master's thesis. The oral examination is held in English. The grade for the Master's thesis may be adjusted after the oral examination.

Assessment: Thesis

Forms of assessment	Time	Percentage	Deadline
Thesis			

IØ3910 Master's Thesis in Globalization

Teaching: Spring: 30.0 Cr

Language of instruction: English

Grade: Letter grade

Compulsory assignments: Project proposal

Required previous knowledge: Bachelor's degree in humanities, social sciences or technology. Requires admission to the Master's programme in Globalization. The student must have completed 90 ECTS/credits within the programme.

Learning objectives: The students should be able to treat a specialized topic in an academic manner. The students will be trained in the formulation of research questions and in gathering and analyzing data. The students will achieve an extended competence in analyzing processes of change related to globalization.

Academic content: The academic content of the Master's thesis must include a scientific investigation of a theme related to globalization. The thesis must be written in English. It should be between 50 and 70 pages (12 pt, 1.5 spacing), and should demonstrate the student's ability to carry out an independent scientific research task. The contents of the thesis should fulfill an academic level appropriate to a Master's level course, and relate to aspects of the interdisciplinary framework of the taught course element of the Master's programme. The topic for the Master's thesis is selected in consultation with a supervisor. The students in the Global Technology Management specialization will write their thesis in an international com-

pany or organization. The students in the Global Politics and Culture specialization will normally write their thesis at NTNU.

Teaching methods and activities: Individual supervision. Compulsory assignments: A project summary of 300 words should be written in the third semester followed by a more detailed proposal in the form of a written outline of the thesis (around 5 pages) at the beginning of the fourth semester. Both project summary and project proposal should be submitted to the supervisor. Assessment: Thesis and oral examination. The deadline for submission of the Master's thesis is normally 1 May. The student must have passed all courses in the Master's programme before the Master's thesis can be submitted. The Master's thesis must be approved before the student can present herself/himself for the 30 minute oral examination related to the Master's thesis. The oral examination is held in English. The grade for the Master's thesis may be adjusted after the oral examination.

Assessment: Thesis

Forms of assessment	Time	Percentage	Deadline
Thesis		1/1	
Oral examination	30 Minutes		

TPK4900 Production and Quality Engineering, Master Thesis

Teaching: Spring: 30.0 Cr

Language of instruction: English, norwegian

Grade: Letter grade

Compulsory assignments: None

Assessment: Thesis

Forms of assessment	Time	Percentage	Deadline
Thesis			