



## Course syllabus

Faculty of Arts and Humanities

Department of Cultural Sciences

1GG03U Geografi för lärare åk 7-9, 1-45 hp, ingår i Lärarlyftet, 45 högskolepoäng

Geography for Teachers, 45 credits

### Main field of study

Geography

### Subject Group

Earth Sciences

### Level of classification

First Level

### Progression

G1N

### Date of Ratification

Approved 2012-05-30

Revised 2020-04-08 by Faculty of Arts and Humanities. Revised prerequisites.

The course syllabus is valid from autumn semester 2020

### Prerequisites

Qualifying degree in education. Upon application, the form "Huvudmannens Godkännande" should also be included.

## Objectives

Objectives for the course as a whole

After completing the course, the student should be able to:

- account for basic characteristics of the teaching profession in relation to the subject and its didactics,
- identify and formulate subject-didactic problems in relation to the areas covered by the programme,
- identify geographical perspectives and identify and apply aspects which strengthen the applicability of teaching,
- in general terms account for didactic models used in the teaching of geography,
- apply didactic theories and learning processes and evaluate policy documents,
- use the knowledge and competence they have acquired to plan teaching in school years 7–9,
- in general terms account for the content and development of geography as a subject, including its development in schools,
- include didactic perspectives in their writing,
- apply the method of field studies on the basis of geographical phenomena,
- problematise the teaching of geography in school years 7–9 through field studies in schools, focusing on aspects concerning grading and assessment,

- apply the method of excursions as a form of teaching with clear applicability,
- collect, process and present geographic information,
- in general terms problematise the world's food production in relation to sustainable water use,
- discuss sustainable development from a number of geographic perspectives,
- account for and discuss the water cycle, meteorological processes, the climate and climate change,
- in general terms account for climate scenarios and models, and discuss strategies and models for climate change adaptation and for decreasing emissions,
- account for the structure of and central concepts in geographic information systems (GIS), and apply basic forms of spatial methods for analysis using GIS,
- discuss forms of teaching used in geography, on the basis of current policy documents and subject didactics,
- account for changes and processes in society and relate these to the effect they have on cityscapes and cultural landscapes as well as people,
- problematise population development in relation to resource use and conflicts of interest stemming from this,
- account for population development and migration from the perspectives of new arrivals as well as gender,
- with a certain degree of independence formulate research questions relevant to human geography and the earth sciences,
- apply established methods for academic writing,
- demonstrate an awareness of an inclusive approach to new arrivals and their cultural background,
- discuss the treatment of pupils in need of extra support.

#### **Module 1 Global water use and food production 7.5 credits**

After completing the module, the student should be able to:

- analyse parts of the world's food production and its environmental impact,
- in general terms problematise the world's food production in relation to sustainable water use,
- account for human exploitation of resources in connection to food production and its environmental impact,
- in general terms account for the content and development of geography as a subject, including its development in schools,
- account for geographical perspectives which strengthen the applicability of the teaching.

#### **Module 2 Meteorology, climate and climate change, 7.5 credits**

After completing the module, the student should be able to:

- account for basic meteorology including fundamental parameters and their impact on the weather,
- explain the meteorological bases for different climatic regions on Earth and explain natural and anthropogenic reasons for climate change,
- in general terms account for emissions scenarios and climate models,
- discuss strategies and models for climate change adaptation and for decreasing emissions,
- discuss current policy documents in relation to geography,
- problematise the teaching of geography in school years 7–9 through field studies in schools, focusing on aspects concerning grading and assessment.

#### **Module 3 Communications and sustainable development 7.5 credits**

After completing the module, the student should be able to:

- analyse how people's increasing mobility affects geography, the media and the virtual world, in terms of spatial and social planning for sustainable development,



- analyse the numerous dimensions of globalisation,
- analyse division of labour, transnational companies, industrial districts, transports and communication from the perspective of geography,
- exemplify the phenomenon of time geography in their own case study,
- in general terms account for didactic models used in the teaching of geography,
- apply the method of field studies as a form of applicable teaching, by using geographical concepts.

#### **Module 4, Conceptions of the world, maps and GIS, 7.5 credits**

After completing the module, the student should be able to:

- account for different ways to view, map and represent the world,
- account for the structure of a Geographic Information System (GIS) and define central concepts in GIS,
- account for the use of simple forms of geographic information systems,
- identify the possibilities of GIS and remote sensing in teaching in school years 7–9,
- discuss forms and content of teaching used in geography, on the basis of current policy documents and subject didactics,
- discuss generic skills and competences.

#### **Module 5 Cities, population and cultural landscapes 7.5 credits**

After completing the module, the student should be able to:

- account for the way in which the processes of industrialisation, urbanisation and globalisation have affected and still affect settlement patterns and cultural landscapes,
- discuss the development and urbanisation of cities and the development of cultural landscapes,
- problematise population development in relation to resource use and conflicts of interest stemming from this,
- discuss the treatment of pupils in need of extra support,
- account for population development and migration from the perspectives of new arrivals as well as gender,
- demonstrate an awareness of an inclusive approach to new arrivals and their cultural background,
- apply the method of excursions as a form of teaching with clear applicability.

#### **Module 6 Independent project, 7.5 credits**

After completing the module, the student should be able to:

- with a certain degree of independence formulate research questions relevant to human geography and the earth sciences,
- with a certain degree of independence identify and apply appropriate theories and methods for information retrieval and analysis in relation to their research questions,
- apply established methods for academic writing,
- interpret signs of progression at various levels of knowledge in the subject of geography,
- include didactic perspectives in their writing.

### **Content**

The course includes the following 6 modules:

#### ***Module 1 Global water use and food production 7.5 credits***

The students acquire knowledge and understanding of human exploitation of resources in connection to food production and its environmental impact. Issues concerning sustainable water use are discussed in the module. By studying food production and



water use the students develop their understanding of global connections. This module introduces a holistic, global perspective. The module also includes an introduction to the content and development of geography as a subject. The development of geography as a school subject is especially emphasised.

***Module 2 Meteorology, climate and climate change 7.5 credits***

This module includes an introduction to meteorology, climate and climate change and their consequences for people and the environment. The module discusses emission scenarios, climate models (GCM, General Circulation Models), and strategies for climate change adaptation and for decreasing emissions. Sustainable development is discussed in relation to the content of the module. Current policy documents are introduced and discussed in relation to geography. Grades and assessments are discussed on the basis of constructed assignments/tests based on field studies at schools.

***Module 3 Communications and sustainable development 7.5 credits***

People's increasing mobility is discussed with regard to geography, the media and the virtual world, and how this affects the ways in which society is planned in terms of sustainable development. The content aims to develop the students' knowledge of communications. The time geographic perspective is covered in regional analyses in case studies. Didactic models for teaching geography are analysed and tested. On the basis of geographical concepts and phenomena, the module discusses the method of field studies as a form of applicable teaching.

***Module 4 Conceptions of the world, maps and GIS 7.5 credits***

The module focuses on different ways to view and represent the world through pictures, reports, maps and geographic information systems (GIS). Basic cartography is introduced, as well as basic methods for analysis in GIS. The module also discusses a number of skills in the subject of geography, in relation to generic skills and competences. The students develop these skills for use both in school and in other contexts.

***Module 5 Cities, population and cultural landscapes 7.5 credits***

This module covers the development of modern, urban society. Cities as a form of settlement and their development are discussed, as well as the development of cultural landscapes. Issues concerning populations and urbanisation in relation to sustainable development are central parts. The module problematises the connections between population development, access to resources, resource use, and conflicts of interest. Migration is also discussed from the perspectives of new arrivals as well as gender, focusing on an inclusive approach. The module problematises the fast global process of urbanisation with growing cities and the impact this has on the development of society. The module discusses perspectives which strengthen the applicability of teaching outside the classroom. In terms of subject didactics, the module covers forms of teaching used in geography, on the basis of current policy documents. The module demonstrates and discusses the method of excursions as a form of teaching with clear applicability.

***Module 6 Independent project 7.5 credits***

This module includes a project specialising in a geographic field of the student's own choice, and using theories, sources and methods in geography. The topic is chosen in consultation with the supervisor. The students have the possibility to develop their knowledge in both human geography and the earth sciences, with a compulsory didactic perspective. Knowledge requirements in geography include signs of progression at different levels of knowledge in the subject. These include expressions such as "basic knowledge of...", "good knowledge of..." etc. This module includes a didactic examination in the interpretation of these.

**Type of Instruction**

The course is completely distance-based and includes no meetings on campus. Teaching is delivered in the form of lectures, exercises, laboratory sessions and supervision. All teaching is carried out on the online learning platform MyMoodle. Some parts of the



teaching will be recorded for the students.

## Examination

The course is assessed with the grades Fail (U), Pass (G) or Pass with Distinction (VG).

The modules are examined through written assignments. Assessment of the students' performance is usually provided in written form, in connection to each module. In order to receive the grade of Pass, the student must achieve the objectives. Grading criteria for the grade of Pass with Distinction will be specified when the course starts. In order to receive the grade of Pass with Distinction, the student must have received the grade of Pass with Distinction on at least 30 credits.

Repeat examination is offered in accordance with Local regulations for courses and examination at the first and second-cycle level at Linnaeus University. If the university has decided that a student is entitled to special pedagogical support due to a disability, the examiner has the right to give a customised exam or to have the student conduct the exam in an alternative way.

## Course Evaluation

During the implementation of the course or in close conjunction with the course, a course evaluation is to be carried out. Results and analysis of the course evaluation are to be promptly presented as feedback to the students who have completed the course. Students who participate during the next course instance receive feedback at the start of the course. The course evaluation is to be carried out anonymously.

## Other

Validation is offered to enable credit transfer from previous studies.

## Required Reading and Additional Study Material

Links to digital resources are available on the learning platform.

### Didactic literature for all modules

- Lambert, D. och M. Jones.: *Debates in geography education*. Abingdon, Oxon, Routledge. The latest edition. 312 p.
- Sanderöth, I.: *Plats, identitet, lärande: närområdesstudier i skolan*. Studentlitteratur, Lund. The latest edition. 267 p.
- Skolverket: *Läroplan för grundskolan, förskoleklassen och fritidshemmet, LGR 11* (digital resource), ca 300 p.
- Current research within geography didactics (article compendium) ca 500 p.

### Module 1 Global water use and food production 7.5 credits

- Comprehensive Assessment of Water Management in Agriculture (2007): *Water for Food, Water for Life: A Comprehensive Assessment of Water Management in Agriculture*. London: Earthscan, and Colombo: International Water Management Institute. Swedish summary. Digital resource. 48 p.
- Daniels, Peter, Bradshaw, Michael, Shaw, Denis & Sidaway, James. (2012). *An introduction to human geography: Issues for the 21st century*. 3rd edition. Harlow: Pearson Education. ISBN: 9780273740704. Chap. 7 and 15, ca 40 p.
- Jägerskog, A., Clausen, T.J. (eds.), (2012): *Feeding a Thirsty World – Challenges and Opportunities for a Water and Food Secure Future*. Report Nr. 31. SIWI. Digital resource. 52 p.
- Jägerskog, A., Clausen, T. J., Holmgren, T., Lexen, K., (eds.), (2014): *Energy and Water: The Vital Link for a Sustainable Future*. Report Nr. 33. SIWI. Digital resource, 64 p.
- Lundqvist, J., de Fraiture, C., Molden, D. (2008): *Saving Water: From Field to Fork – Curbing Losses and Wastage in the Food Chain*. SIWI Policy Brief. SIWI. Digital resource, 36 p.



- Nellemann, C., MacDevette, M., Manders, T., Eickhout, B., Svihus, B., Prins, A. G., Kaltenborn, B. P. (Eds), (2009): *The environmental food crisis – The environment's role in averting future food crises. A UNEP rapid response assessment*. United Nations Environment Programme, GRIDArendal, www.grida.no. ISBN: 9788277010540. 104 p.
- SIWI-IWMI (2004): *Water – More Nutrition Per Drop*. Stockholm International Water Institute. Digital resource, 36 p.
- United Nations Development Programme (UNDP), (2006): *Beyond scarcity: Power, poverty and the global water crisis*. Human Development Report. ISBN 0230500587. Swedish summary. Digital resource, 68 p.
- Compendia provided by the department. Texts about water and food relevant to the module: extracts from literature and reports and articles, ca 350 p.

## **Module 2 Meteorology, climate and climate change, 7.5 credits**

- Andréasson, Per-Gunnar (ed): *Geobiosfären, en introduktion*. Lund: Studentlitteratur. The latest edition. 300 p.
- Bogren, Jörgen; Gustavsson, Torbjörn; Loman Göran: *Klimatförändringar. Naturliga och antropogena orsaker*. Studentlitteratur. The latest edition. 270 p.
- Additional literature chosen in consultation with the teacher. ca. 200 p.

## **Module 3 Communications and sustainable development 7.5 credits**

- Rodrigue JeanPaul, Comtois, Claude and Slack, Brian. (2013). *The Geography of Transport Systems*. (3 ed.), Abingdon: Routledge. ISBN 9780415822541. 416 p.
- Thulin, Eva and Vilhelmson, Bertil (2010): *The Internet, Mobile Phones and the Geography of Everyday Life*. In: Hermelin, Brita & Jansson, Ulf (eds) *Placing Human Geography: Sweden through Time and Space*. Ymer (årsbok). The Swedish Society for Anthropology and Geography. Stockholm. pp. 277–309.
- Compendia provided by the department. Texts about communications and sustainable development relevant to the module: extracts from literature and reports and articles, ca 350 p.

## **Module 4, Conceptions of the world, maps and GIS, 7.5 credits**

- Gren, Martin and Per-Olof Hallin (2003): *Kulturgeografi: en ämnesteoretisk introduktion*. Malmö: Liber. ISBN: 9147065044. ca. 200 p.
- Hall, Ola; Alm, Göran; Ene, Stefan; Jansson, Ulf: *Introduktion till kartografi och geografisk information*. Studentlitteratur. Latest edition. ca. 200 p.
- Additional literature chosen in consultation with the teacher. ca. 200 p.

## **Module 5 Cities, population and cultural landscapes 7.5 credits**

- Daniels, P., Bradshaw, M., Shaw, D. & Sidaway, J. (2012): *An introduction to human geography: Issues for the 21st century*. (3rd ed.). Harlow: Pearson Education. ISBN: 9780273740704. Chap. 4–5, 9–11. ca 100 p.
- Jansson, U & Wästfelt, A. (2010): *Rural Landscape Changes from a Longterm Perspective: Farming, Policy, Economy and Society from 1750 to Today*. In: Hermelin, B. & Jansson, U. (eds) *Placing Human Geography: Sweden through Time and Space*. Ymer (årsbok). The Swedish Society for Anthropology and Geography. Stockholm. pp. 113–141.
- Malmberg, B (2010): *Population and Development in Sweden 1750–2000*. In: Hermelin, B. & Jansson, U. (eds). *Placing Human Geography: Sweden through Time and Space*. Ymer (årsbok). The Swedish Society for Anthropology and Geography. Stockholm. pp. 143–161.
- Müller, D. (2010): *Second Homes in Sweden: Between common Heritage and Exclusive Commodity*. In: Hermelin, B. & Jansson, U. (eds). *Placing Human*

Geography: Sweden through Time and Space. Ymer (årsbok). The Swedish Society for Anthropology and Geography. Stockholm. pp. 185–207.

- Öhman, Jan (2010): *The Swedish City System: Spaces of Competition 1800–2005*. In: Hermelin, B. & Jansson, U. (eds) *Placing Human Geography: Sweden through Time and Space*. Ymer (årsbok). The Swedish Society for Anthropology and Geography. Stockholm. pp.163–184.
- Compendia provided by the department. Texts about cities, population and cultural landscapes relevant to the module: extracts from literature and reports and articles, ca 600 p.

#### **Module 6 Independent project, 7.5 credits**

- Björklund, Maria and Paulsson, Ulf (2003): *Seminarieboken: att skriva, presentera och opponera*. Lund: Studentlitteratur. ISBN: 914404125X. 138 p.
- Trost, J. (2008): *Att skriva uppsats med akribi*. 3rd [revised] edition. Lund, Studentlitteratur. ISBN: 9789144053400. 88 p.