

Elective courses

- GE6000** Urban climate and climate planning (7.5 hec)
- KGA114** Sustainable mobility (7.5 hec)
- GVN330** Climate data analysis (7.5 hec)
- GVN340** Applied climatology (7.5 hec)
- KGA106** Sustainable landscapes (7.5 hec)
- KGA111** Qualitative and Quantitative Methods (7.5hec)
- KGA112** Globalization, urbanisation and unequal development (7.5 hec)
- NGN210** Geographical information Systems 4 (7.5 hec)
- NGN240** Remote sensing and GIS (7.5 hec)
- GM1205** International Migration (7.5 hec)
- GVN 380** GHG Inventories and Policies (7.5 hec)



Vegetation in urban areas provide a number of ecosystem services such as noise reduction, recreation, climate mitigation, reducing air pollutants etc.



Hemispherical photographs is commonly used in urban climate research

Geography, master program 120 hp

Year	Season	Courses
YEAR 1	Autumn	GE5000 Urban Sustainable Development (7,5 hec)
		KGA106 Sustainable landscapes (7.5 hec)
		NGN200 Geographical information Systems 3 (7,5 hec)
	Spring	KGA108 History of ideas and theory in Geography (7,5 hec)
		GVN380 GHG Inventories and Policies 7.5 hec
		KGA111 Qualitative & Quantitative Methods (7.5hec)
YEAR 2	Autumn	KGA114 Sustainable mobility (7.5 hec)
		KGA112 Globalization, urbanisation and unequal development
		KGA107 Project management and Project planning (7,5 hec)
	Spring	GVN330 Climate data analysis 7.5 hec
		GM1205 International Migration (7.5 hec)
		GE6000 Urban climate and climate planning (7.5 hec)
Autumn	NGN210 Geographical information Systems 4 (7.5 hec)	
	GVN340 Applied climatology (7.5 hec)	
	GE245 Master Degree Project (45 hec)	
Spring	NGN240 Remote sensing and GIS (7.5 hec)	
	GE230 Master Degree Project (30 hec)	
	GE230 Master Degree Project (45 hec)	
		GE260 Master Degree Project (60 hec)
		GE260 Master Degree Project (60 hec)

Compulsory courses
 Elective courses

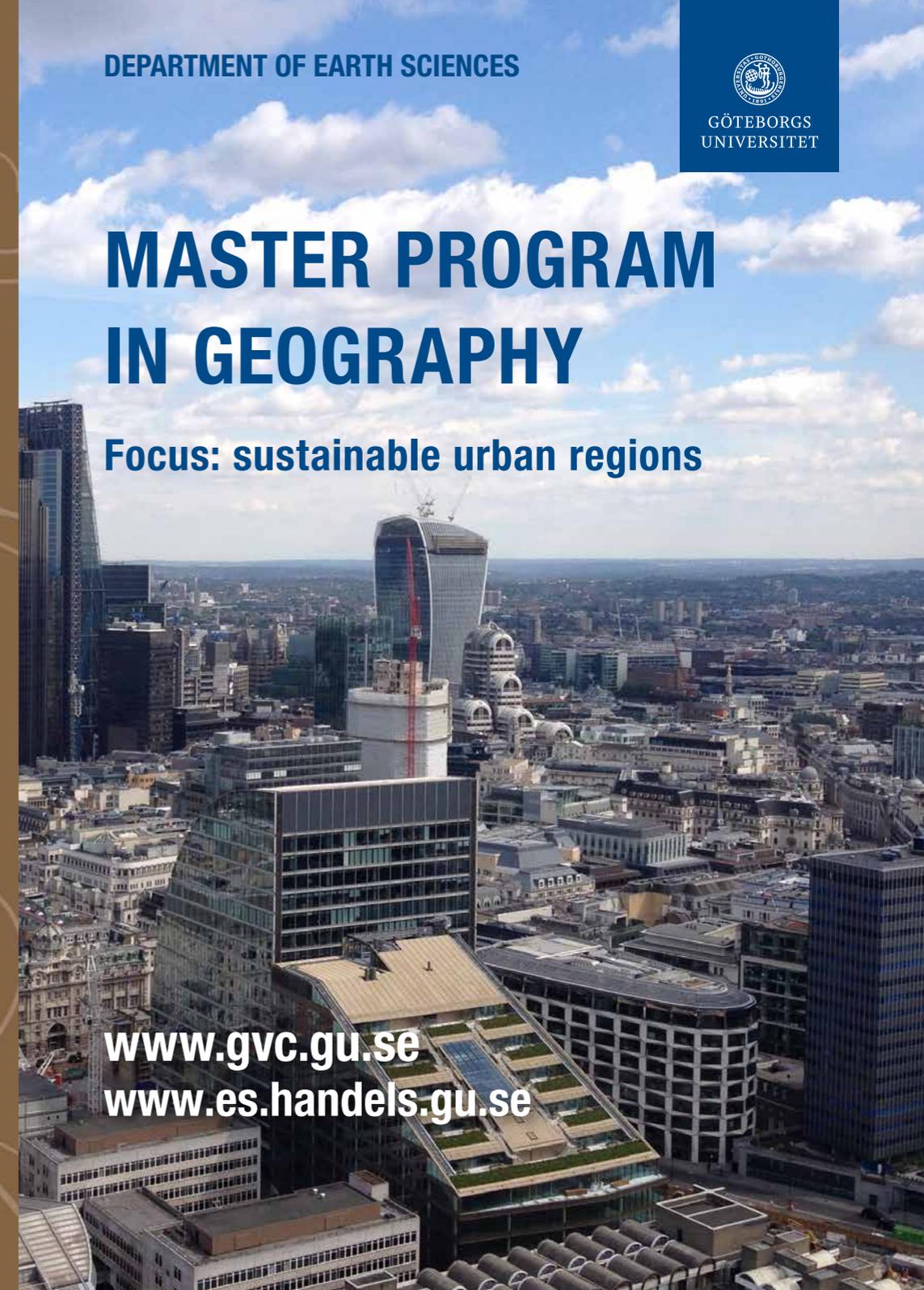
Apply through the Admissions Office (www.antagning.se).
The application period for the Autumn term 2015 is open from 15/3 to 15/4.

Creative Support 2015



MASTER PROGRAM IN GEOGRAPHY

Focus: sustainable urban regions



www.gvc.gu.se
www.es.handels.gu.se

Master Program in Geography with focus in urban regions

Why does an ever increasing proportion of the world's population live in urban areas and what can explain the concentration of business and production in urban regions? How do such structural transformations articulate with and influence people's lives and environments, short and long range resource chains, as well as land and resource use?

Achieving the task of sustainably planning and developing tomorrow's cities places the need for holistic thinking firmly on the agenda. The discipline of geography, which bridges the social and natural sciences, is particularly suited to such a challenge.

The overriding goal of the Master Program in Geography is to train students in the aforementioned thematic problem areas in a way that knowledge, skills and analytical expertise provide excellent career opportunities in related fields of employment.

Program aims

The Master Program aims to provide geographers with sufficient expertise in the discipline of geography to be able to work independently with complex geographical

problems and to carry out advanced plans and evaluations in the fields of sustainable urban development, urban – rural relations as well as between cities and regions.

Depending on the profile of the individual student, the Master Program aims to provide specialist competency in specific thematic areas of urban sustainability including land issues, mobility, planning and globalization, and in methods including GIS. A further important program aim is to provide students with sufficient levels of knowledge and analytical proficiency in the above mentioned thematic problem areas to make them attractive in related areas of employment. The program will also prepare students for doctoral studies in geography.

Program entry requirements

University degree in Geography (180hp) or an equivalent degree including a minimum of 7,5hec in GIS (geographical information systems). Certified English language proficiency equivalent to English 6 / English B or an internationally certified certificate such as TOEFL or IELTS.

Compulsory courses

GE5000 Urban Sustainable Development (7,5 hec)

The course takes a broad geographical perspective concerning processes of urbanization. The program aims to enable candidates to be able to explain the forces that drive urban growth as well as to describe and analyze the opportunities and problems that present and future urban landscapes face in achieving sustainable development. Emphasis is placed on planning and measures to mitigate the consequences of a changing climate at the local level.

KGA108 History of ideas and theory in Geography (7,5 hec)

How can we understand the origins and subsequent development of the discipline of geography? What have geography's central foci, aims, and purposes been over time and what concepts have been developed to meet these foci, aims and purposes? This course provides students with deepened knowledge in the history of geographical



ideas, and in major theoretical perspectives in the discipline of geography.

NGN200 Geographical information Systems 3 (7,5 hec)

The course aims to provide candidates with the necessary levels of knowledge and skills to be able to make use of advanced computational tools in order to conduct advanced analysis of issues such as potential areas of conflict in urban planning, regional accessibility and visualizing geographic data in 3D. Candidates will also learn to make use

of open source GIS software and techniques and how these can be used in geographical applications and research. GIS is an essential tool that candidates will make use of in several courses within the program.

KGA107 Project management and Project planning (7,5 hec)

The course focuses on how to plan, manage and evaluate projects and to provide the students with practical tools (concepts, models and perspectives) relevant to their future careers. Fundamental to this are issues relating to the organization and management of projects in a constantly changing society.

Hence, the course combines academic knowledge about project management and planning with practical skills of value for work in the private and public sectors, as well as in civil society.

GE0230/GE0245/GE0260 Master Degree Project (30 hec/45 hec/60 hec)

In the Master Degree Project students independently design, carry out and defend an advanced research work. The degree project provides the opportunity for the individual student to study a chosen specific thematic problem area in depth which will provide each student with a unique educa-

tion profile. It is recommended that a part of the degree project comprise fieldwork. This can preferably be linked to a workplace within Sweden or abroad. The thesis can be written in English or Swedish.



Järvafältet, an area of suburban nature in Stockholm. What roles will such suburban areas play in urban futures?



Pollution emissions from traffic constitute a major health hazard in many urban areas around the world.