

# ADDITIONAL REGULATIONS – MASTER OF SCIENCE IN URBAN ECOLOGICAL PLANNING

Qualifications Framework for Urban Ecological Planning	
<b>Knowledge</b>	
<ul style="list-style-type: none"> <li>• Knowledge of two specific, underprivileged neighbourhoods (one in a developing country, the other in a Nordic country), their territorial strength in terms of organisation, resources, skills and access to land, but also their struggle, and changing livelihood conditions.</li> <li>• Experience in how to address both non-planned and planned neighbourhoods in urban centres and fringe areas for the purpose of livelihood improvements, tenure security and urban upgrading in contexts of conflicts of objectives of equity, environmental sustainability and civil society interests.</li> <li>• Understanding of specific cases of building strategic responsibility and action at higher levels of urban governance and management in terms of 'scaling up' local development initiatives.</li> </ul>	
<b>Skills</b>	
<ul style="list-style-type: none"> <li>• Knowledge of integrated action planning and integrated local planning processes building both on local defined priorities and local ownership and higher levels strategic action.</li> <li>• Competence in applying, examining and analyzing participative tools.</li> <li>• Ability to use geographical information systems (GIS) as an important tool in urban mapping, planning and management.</li> </ul>	
<b>General competence</b>	
<ul style="list-style-type: none"> <li>• Awareness of the struggle of the urban poor in terms of entitlements to land, work, and participation in the civil society, and overall livelihood improvements.</li> <li>• Understanding of what are contextual and general issues in local and higher level urban transition in both developing and Nordic countries as well as their localised and interrelated nature.</li> <li>• Knowledge on the interface and the potential conflicts between targeted strategies addressing urban poverty and urban environmental strategies.</li> </ul>	

## 1. Learning Goal

The goal of the Masters course in Urban Ecological Planning is to enable the candidates to act as planners in urban settings based on an understanding of the dynamics of urban change in a global context.

This is an international program primarily focused on the complex interdependencies between people, institutions and the built environment in pursuit of equity, efficiency and sustainability. Consequently, the program is based on the following main theoretical domains:

- Understandings of resilience as used among humanitarian aid agencies and thinktanks
- Livelihoods and entitlements approach to understanding poverty
- Concepts of territorialism and a focus on neighbourhoods as the scale of planning
- Informality in all its various dimensions – spatial physical, economic (livelihoods) and political economy.

## 2. Course Structure

This is a two year course where each of the four semesters comprises core modules and electives from the natural or social sciences depending on the candidate's interests or qualifications. There are also multidisciplinary courses, "Experts in Team" that may be chosen as electives.

*Semester I:* International 'Field Work and Project' taking place in a third country done in cooperation with students from other international universities and faculties of NTNU.

*Semester II:* Core courses (Challenges in Urban Practice; Research Methods; Innovations in digital mapping and social media; Urban Resilience).

*Semester III:* Core courses (Planning Theory, Methods) + electives.

*Semester IV:* (Internship and/ or Master thesis; analyses and final write-up.

Individual study plans for each semester has to be agreed upon with the course coordinator and submitted by deadlines set by the university

## 3. Career Prospects

The course will give the candidate in insight into the dynamics of urban change, and prevalent development challenges of the developing world, and furthermore advise on possible ways of dealing with the constitutive problems and possibilities. The candidate is thus qualified to fill positions within public administration, private and

public planning institutions, in private consulting businesses, NGOs, aside from positions in educational institutions. Our candidates have previously settled into all the mentioned positions.

#### **4. Entry Qualifications**

*1: International Students (excluding students from Nordic countries)* Students are required to have a B.Sc/ B. Engg/ BA university degree preferably in Urban Planning, Architecture or Civil Engineering. Candidates with a BA degree in Social Sciences that are relevant to the field of Planning such as Geography, Sociology, Cultural Studies etc in combination with 2 – 5 years work experience in Urban Planning will also be considered for admission.

*2: Students from Nordic countries:* Equivalent to those for international students. Nordic students may also apply on the basis of exams in relevant areas from the University Colleges (høgskolene).

#### *English Language Requirements:*

TOEFL Score 500/170

IELTS mark 5.0

#### **5. Studies at other universities**

Candidates may spend one of the four semesters as exchange student at another university on the condition that the courses taken are equivalent to those taught at our course.

#### **6. Contacts**

For further information on admission and administrative matters: [studadm@ab.ntnu.no](mailto:studadm@ab.ntnu.no).

For information on academic matters: [rolee.aranya@ntnu.no](mailto:rolee.aranya@ntnu.no)