M.Sc. Master Program
URBAN ECOLOGICAL PLANNING
Faculty of Architecture and Design

CONTACT INFORMATION
Academic Program Director:
Rolee Aranya, Study Program Leader | rolee.aranya@ntnu.no
Program Coordinator:
Mrudhula Koshy, Assistant Professor | mrudhula.koshy@ntnu.no
Administrative Coordinator:
May Uran, Senior Executive Officer | mayuran@ntnu.no
Address:
Søndre typen 1, 3 trg. Alfred Getz vel 3
7491 Trondheim, Norway

All photographs included are registers from the latest UEP fieldworks.
Leaflet designed by Marcela Moraga Zarate and Bhuvana Nanaiah, students in Urban Ecological Planning, NTNU

Join us for an exciting and life changing fieldwork experience!

M.Sc. Master Program
URBAN ECOLOGICAL PLANNING
Faculty of Architecture and Design

ADMISSION REQUIREMENTS
• Applicants should have a B.Sc./ B.Eng/ BA university degree in an urban discipline, preferably in Urban Planning, Architecture or Civil Engineering. Other candidates with a BA degree in Social Sciences relevant to the field of Urban Planning and Design need to demonstrate additional practice/ work experience of at least 12 months in relation to key areas of Urban Ecological Planning to be considered for admission.
• Applicants should have at least have a relevant bachelor’s degree with a grade point average of at least C. This must have been completed by the start of the semester at NTNU in August.
• Applicants should submit their CV with relevant projects.
• Applicants must demonstrate proficiency in written and spoken English.
• Only citizens from countries outside the EU/EEA/Switzerland need to document funding in order to obtain a Norwegian student visa. Nevertheless, there are no tuition fees at NTNU.

APPLICATION DEADLINES
Non-EU / non-EEA citizens: 1st December
EU / EEA citizens: 1st March
Nordic citizens: 15th April

LEARNING OUTCOMES
On completion of the M.Sc. Programme in Urban Ecological Planning, the candidates have:
• A practice based understanding of complex urban issues and can relate these issues to key theoretical urban concepts
• Critical knowledge of the participatory and strategic modes of urban planning and development
• An understanding of dynamic and complex urban contexts especially in situations of uncertainty and contingency
• The ability to use, adjust and adapt multidisciplinary methods for participatory engagement with urban communities
• The ability to link theoretical concepts and empirical observations to analyse urban contexts and formulate well-grounded arguments and narratives for research and collaborative design and action planning
NTNU is a university with an international focus, with a main profile in science and technology. There are a variety of programmes of professional study and great academic breadth. Collaboration across disciplines enables us to develop innovative ideas and create solutions that change our daily lives.

ABOUT THE PROGRAMME

Urban Ecological Planning (UEP) is a practice based program that enables students to develop skills and knowledge to address complex urban issues in rapidly changing social, cultural, political and environmental contexts. The program stresses an integrated approach to spatial decision making, with a specific focus on participatory, inclusive and developmental planning practice.

The UEP program is relevant to urban realities in both developed countries and the Global South. There is an urgent need to change outdated laws and regulations and the technocratic approaches that do not work, but are still prevalent in many cities around the world. We believe that urban planning should focus on the people and the only way to address urban challenges effectively is by working directly with the communities.

Consequently, the program focuses on the complex interdependence between people, institutions and the built environment in pursuit of equity, efficiency and sustainability.

The main research themes include:

- Various aspects of informality in urban areas
- Access to land, housing and basic services for the urban poor
- Planning in situations of crisis, such as natural disasters and post-conflict reconstruction
- Participatory processes in planning for excluded and marginalised communities
- Institutional alternatives for planning in resource scarcity

ABOUT THE UNIVERSITY

The master’s programme in Urban Ecological Planning is primarily designed to address real, on-the-ground, urban issues. Cities are estimated to hold 68% of the world’s population by 2050. While the programme evolves constantly to reflect on the current challenges of urbanisation, the core is to address and re-analyse different local and global contexts using inclusionary, territorial, strategic, spatial and temporal methods of cognition. The programme especially contextualises urban planning issues using inclusionary, territorial, strategic, spatial and temporal methods of cognition.

The programme evolves constantly to reflect on the current challenges of urbanisation, the core is to address and re-analyse different local and global contexts using inclusionary, territorial, strategic, spatial and temporal methods of cognition. The programme especially contextualises urban planning issues using inclusionary, territorial, strategic, spatial and temporal methods of cognition.

The UEP program is relevant to urban realities in both developed countries and the Global South. There is an urgent need to change outdated laws and regulations and the technocratic approaches that do not work, but are still prevalent in many cities around the world. We believe that urban planning should focus on the people and the only way to address urban challenges effectively is by working directly with the communities.

Consequently, the program focuses on the complex interdependence between people, institutions and the built environment in pursuit of equity, efficiency and sustainability.

The main research themes include:

- Various aspects of informality in urban areas
- Access to land, housing and basic services for the urban poor
- Planning in situations of crisis, such as natural disasters and post-conflict reconstruction
- Participatory processes in planning for excluded and marginalised communities
- Institutional alternatives for planning in resource scarcity

ABOUT THE FIELDWORK

As a requirement of the Master’s degree in urban ecological planning, students are encouraged to conduct individual field works or internships in their home cities or chosen developing countries, but they also have the option to do it in Norway or elsewhere. So far, individual field works and internships have taken place all over the world, including Africa, Asia, Europe, South America, and North America.

The UEP program is relevant to urban realities in both developed countries and the Global South. There is an urgent need to change outdated laws and regulations and the technocratic approaches that do not work, but are still prevalent in many cities around the world. We believe that urban planning should focus on the people and the only way to address urban challenges effectively is by working directly with the communities.

Consequently, the program focuses on the complex interdependence between people, institutions and the built environment in pursuit of equity, efficiency and sustainability.

The main research themes include:

- Various aspects of informality in urban areas
- Access to land, housing and basic services for the urban poor
- Planning in situations of crisis, such as natural disasters and post-conflict reconstruction
- Participatory processes in planning for excluded and marginalised communities
- Institutional alternatives for planning in resource scarcity

PARTNERSHIPS AND OPPORTUNITIES

As a requirement of the Master’s degree in urban ecological planning, students are encouraged to conduct individual field works or internships in their home cities or chosen developing countries, but they also have the option to do it in Norway or elsewhere. So far, individual field works and internships have taken place all over the world, including Africa, Asia, Europe, South America, and North America.

There are also many other fieldwork and internship possibilities with our partner institutions and alumni network around the world. UEP students actively participate in many other on-going field-based projects at NTNU, in our city Trondheim, and elsewhere.

Some of the most recent examples include:

- Trondheim Climathon competition
- Internships at Pål Tønshavn
- Collaboration with Bærekraftssenteret (Sustainability Center)
- Collaboration with the School of Planning and Architecture, Delhi (India) and University of Cape Town (South Africa)
- Campus Workshop at NTNU for Shared Spaces for Innovation
- UTFORSK-NISA concerns student mobility for two month joint studio courses in cities in India and South Africa, where students collaborate on real-life complexities, in close interaction with local non-academic actors.

ACADEMIC CURRICULUM

The program is divided into four semesters, each of which comprises of courses totaling 30 ECTS. After the first semester (which is dedicated to immersive fieldwork in Norway or abroad), students undertake other courses designed to address theoretical and practical aspects of urban planning. A sustainable approach is assumed to concentrate on building local responsibility and capacities for action planning.

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Credits</th>
<th>Course</th>
<th>Credits</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>Urban Informality: Project Theory (15 ECTS)</td>
<td>15 ECTS</td>
<td>Methods for Participatory Planning (7.5 ECTS)</td>
<td>7.5 ECTS</td>
<td>Theories in Urban Ecological Planning (7.5 ECTS)</td>
<td>7.5 ECTS</td>
</tr>
<tr>
<td>Spring</td>
<td>Globalisation and Urban Development (7.5 ECTS)</td>
<td>7.5 ECTS</td>
<td>Urban Contingency Planning and Practice (7.5 ECTS)</td>
<td>7.5 ECTS</td>
<td>Integrated Land Use and Transportation Planning (7.5 ECTS)</td>
<td>7.5 ECTS</td>
</tr>
<tr>
<td>Fall</td>
<td>Theories and Methods for Master Thesis (7.5 ECTS)</td>
<td>7.5 ECTS</td>
<td>Urban Theory and Planning Theory (7.5 ECTS)</td>
<td>7.5 ECTS</td>
<td>Project Development and Process (7.5 ECTS)</td>
<td>7.5 ECTS</td>
</tr>
<tr>
<td>Spring</td>
<td>MSc. Thesis in Urban Ecological Planning (30 ECTS)</td>
<td>30 ECTS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

All MSc. courses in the program are taught in English and take place either at the Gløshaugen campus in Trondheim or in the field. Fieldwork is fully funded, including both airfare and allowance for accommodation for the duration of the activity.