*Join us for an exciting and
life changing fieldwork experience!*

Pune, India
Photo by: Emmanuel Alejandro Pérez Banda

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 | may.uran@ntnu.no

Address:
Sentralbygg 1, 3 etg. Alfred Getz vei 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

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**

Roshanpura, India
Photo by Aratrika Debnath

NTNU
Norwegian University of
Science and Technology

Kampala, Uganda
Photo by Hans Skotte

Panaji, India

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

Svartlamoen, Norway
Photo by Sara Hafezi

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

NTNU
Norwegian University of
Science and Technology

Pune, India
Photo by Marcin Sliwa

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 contextual urban planning issues using inclusionary, territorial, strategic and incremental methods of cognition. The programme especially strives to support the call of the SDG's and the New Urban Agenda's call for "Participatory, integrated and sustainable human settlement planning" (SDG 11.3).

ABOUT THE UNIVERSITY

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 strategic spatial change, 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 FIELDWORK

Being a practice-based program, UEP is structured around group and individual fieldwork, which consist of a wide range of activities, such as internships, project work, data collection as well as direct community and stakeholder engagement.

In the first semester, our program starts right in the field in a relevant context. Students spend up to 8-12 weeks in a developing country to understand the challenges and strengths of neighbourhoods within dense urban areas, and deliberate on how to create opportunities for spatial, environmental and livelihood improvements. During the past years, fieldwork has taken place in Uganda, Nepal, India and Norway. Fieldwork from 2022 to 2024 will take place in India, South Africa and Europe.

PARTNERSHIPS AND OPPORTUNITIES

As a requirement, the Master's thesis in UEP has to be based on field work research or an internship. 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 ongoing field-based projects at NTNU, in our city Trondheim, and elsewhere.

Some of the most recent examples include:

- Trondheim Climathon competition
- Internships at Pådriv and StudyTrondheim
- 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 fieldwork-based 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 totalling 30 ECTS. After the first semester (which is dedicated to immersive fieldwork in Norway or abroad), students undertake various 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.

S1 Fall	Urban Informality: Project Course (15 ECTS)		Methods for Participatory Planning, co-Design & Localizing SDGs (7.5 ECTS)	Theories in Urban Ecological Planning (7.5 ECTS)
S2 Spring	Globalisation and Urban Development (7.5 ECTS)	Urban Contingency Practice and Planning (7.5 ECTS)	Integrated Land Use and Transnsportation Planning (7.5 ECTS)	Elective course (7.5 ECTS)
S3 Fall	Theories and Methods for Master Thesis (7.5 ECTS)	Urban Theory and Planning Theory (7.5 ECTS)	Project Development and Process (7.5 ECTS)	Elective course (7.5 ECTS)
S4 Spring	M.Sc. Thesis in Urban Ecological Planning (30 ECTS)			

All M.Sc. 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.

Bhopal, India
Photo by Rūta Slavinskaitė