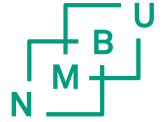
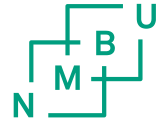


Norwegian University
of Life Sciences



- Scientific conference in the University of Lodz: EcoCity. Knowledge and Competences for the Needs of sustainable Urban Development
 - My contribution: The role of urban planners in order to achieve sustainable cities. Presentation of the Master program in Urban and Regional Planning at NMBU
 - Associate Professor Knut Bjørn Stokke
-

Department of Landscape Architecture and Spatial Planning at NMBU



- 700 students
- 100 employees
- 25 PhD

Four fields of study

- Landscape architecture
 - 5 year Master in landscape architecture
 - 3 year Bachelor in landscape engineering
- Property and law
 - 5 year Master in property
 - 2 year Master i property development
- Public health
 - 2 year Master in public health
- **Urban and regional planning**
 - **5 year Master in urban and regional planning**

Urban and regional planning

- Land use
- Urban development
- Urban design
- Community development
- Natural and cultural values
- Regional planning
- Planning processes/
Participation



competences



Regional development

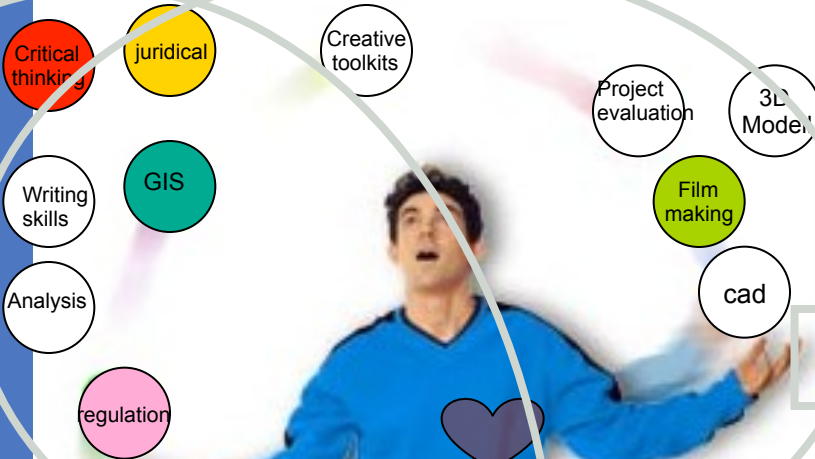
- urban growth
- Landscape protection
- development strategies
- transport systems

Project development and evaluation

- ownership
- feasibility studies
- Project quality: use, form, density,
- re-use, re-vitalization

Place making - local planning

- Urban morphology/ transformation
- landscaping
- dwelling qualities
- center structure
- transportation



tools

HEART VALUES

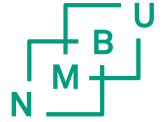
- health
- environment
- security

knowledge

Interdisciplinary knowledge foundation

Landscape theory	water	heritage	economy		
Urban form	Urban theory	transport	geology	Ideals in urbanisme	
Property Rights	Law	infrastructure	ecology	cartography	vegetation
Planning theory	history	architecture	Sociology	Demographics	Natural science

levels of Problems in Spatial planning



2nd level:

Two mandatory courses (LAA 250 /APL 250) place making, local planning efforts and relevant planning tools.

- creative idea development
- understand physical, functional and socio-cultural issues that will have an impact on the place/landscape.
- knowledge about different analysis traditions
- illustration plan, perspectives, diagrams
- elaborate formal plan proposals

3rd and 4th level:



focus

Plan making

Planning process

Project level

single building objects in relation to city/townscape as structure and human habitat.

theoretical framework and practical knowledge of choosing **urban form and urban density**

LAA 350

methods for **realization and evaluation** of projects, use of legislative and economical tools.

APL 350

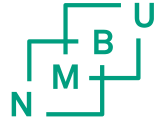
Regional level

complex landscape situations. – analysis as tool for landscape assessments, stakeholder involvement and strategic planning as described in the European Landscape Convention

LAA 360

Spatial planning as tool for territorial and functional urbanization. Regional infrastructure **strategies** in light of localization, land use patterns, development corridors and nodes

APL 360



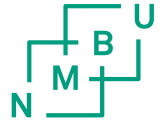
5th level:

- Planning theory – advanced level
- Academic immersion in own field of interest
- Master thesis:
 - 1) own choice of subject
 - 2) external suggestion
 - 3) part of research project
 - 4) supervisors research field

Research groups

- Sustainable urban development
- Planning and nature resource management
- Cultural heritage- «green heritage»
- Centre for Landscape democracy
- Dwelling and property
- Property and law
- Public health

The needs for an urban planner to achieve sustainable urban development



- A solid inter-disciplinary and analytical knowledge on urban sustainable development (what`s in it...)
- Critical thinking
- Skills about creative processes and feasibility studies (look into a possible sustainable future)
- Communication and collaborative skills
 - With local politicians
 - With private developers
 - With different state agencies
 - With the local public



Thanks for your
attention!