

3.) **Environmental and Land Use Planning**

The environmental and physical planning specialization offered by the Department of Urban and Regional Planning at UB involves the study of how to use the planning process to resolve three broad sets of problems: (1) minimizing the negative effects of environmental problems on human health and urban and regional systems; (2) minimizing the negative effects of human settlements on ecosystems; and (3) planning the development of cities, suburbs, and rural areas to be sustainable.

Curriculum (4 courses are required to complete the specialization)

Intro Course (required)

- PD 568 Environmental Planning and Policy

Methods Course

(Select one of the following two courses. The course not selected to meet the “methods course” requirement may be used to meet part of the “elective courses” requirement.)

- PD 578 Environmental Planning Methods
- PD 602 Environmental Planning Support Systems

Elective Courses (minimum two)

- PD 505 Urban Planning and Environmental Change: Cities and Climate Change
- PD 562 Transportation, Land Use, and Urban Form
- PD 567 Planning Law
- PD 601 Advanced GIS Applications
- AMS 520 Perspectives on Ecological and Environmental Restoration
- ARC 576 Landscape Architecture
- BIO 514 Topics in Advanced Ecology
- CIE 500 Ecosystem Restoration
- CIE 535 Geo-environmental Engineering
- CIE 552 Water Resources Planning
- ENS 542 Intro to Environmental Science
- GEO 515 Biogeography/Landscape Ecology
- GEO 544 Environmental Change
- GEO 545 Ecological Restoration
- GEO 549 Fluvial Geomorphology
- GEO 559 GIS and Environmental Modeling
- GEO 570 Integrated Watershed Management
- GEO 575 Landform Development
- GLY 514 Hydrogeology
- SPM 549 Environmental Health

Culminating Exercise (choose one)

- Thesis on topic in Environmental Planning
- Professional Project on Environmental Planning

Specialization Director

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