Geography Specialization

Program Description:
The program emphasizes environmental geography, with coursework in human geography, physical geography, and geospatial analysis techniques. Faculty expertise includes economic geography, cultural geography, historical geography, urban planning, natural hazards planning, biogeography, climatology, soils, agriculture, paleoclimatology, and GIS. Regional specializations include Canada, the American West, and East Asia. Students have access to research facilities including the Spatial Analysis Lab, the Huxley Tree-Ring Lab, the Huxley Soils Lab, the Planning Studio, two research units: the Resilience Institute and the Spatial Institute.

Goals:
The MA in environmental studies and geography prepares students to address complex problems related to human-environment interactions using a highly interdisciplinary approach. The program prepares students in the collection, analysis, interpretation, and communication of geographic data and the application of geographic theories to further our understanding of the spatial patterns of physical and biological processes, human societies and practices, and human-environment interactions. This degree prepares students for careers in business, government, planning, consulting, teaching, geospatial data management and analysis, and research.

Specialization Requirements
Minimum of 45 credits are required, including:

- 7 credits of core classes: ENVS 501 (3), ENVS 502 (3), ENVS 503 (1)
- 26 credits of depth and specialization course work, including at least three courses from the area of specialization, or course substitutions, under advisement;
- 12 credits of ENVS 690 (thesis) or ENVS 691 (Field Project)

500-level GEOG Specialization Courses
ENVS 520 - GIS III: Analysis and Modeling
ENVS 521 - GIS IV: Advanced GIS Applications
ENVS 522 - Advanced Spatial Analysis
ENVS 526 - Understanding Soil Data
ENVS 528 - Advanced Topics in Biogeography
ENVS 529 - Pyrogeography
ENVS 530 - Borderlands: Resource Management
ENVS 531 - Pacific Rim: Environment, Economy, and Sustainability

400-level GEOG Specialization Courses
ENVS 410 - Agroecology and Sustainable Agriculture
ENVS 419 - Applications in GIS
ENVS 423 - GIS Processing and Analysis
ENVS 426 - Water Resources
ENVS 441 - Society, Space, and Natural Resources
ENVS 442 - Regional Environmental and Economic Resource Modeling
ENVS 443 - The Urban Environment
ENVS 444 - Colonial Landscapes in the Pacific Northwest