Environmental Studies Major Requirements (before Fall 2007)

**AREA 1** Lower Division Environmental Studies Core Requirements (3 courses):
ENVS 201 (Soc. Sci)  , ENVS 202 (Sci)  , ENVS 203 (Humanities)

**AREA 2** Lower Division Science and Math Requirements (5 courses):
Mathematics:  MATH 100 or above (Math 111 recommended)
Natural Sciences: One sequence, plus additional course from a different sequence

Four courses from the courses listed below, including courses from at least two different departments. Three of the courses must be from one of the introductory science sequences on the following list:

Sequence: ____________________, additional Sci. class __________________
• Life Sciences: BI 211-213 or BI 251-253 or CHEM 111, BI 211, BI 213
• Chemistry: CHEM 221-223, or equivalent
• Earth Sciences: GEOL 101-103 or GEOL 201-203
• Physical Sciences: CHEM 111, PHYS 161-162 or PHYS 201-203, or equivalent

Additional approved non-sequence lower-division science courses:
• ANTH 170
• BI 130, BI 131 (but not in conjunction with the Life Science sequence)
• CHEM 113
• GEOG 141

**AREA 3A**. Upper-Division Natural Science (2 courses/8 credits).
Please see ESCI major requirements sheet for a complete list of Area 3A courses. Also, check the UO catalog for prerequisites, as they may be strictly enforced.

1. Geosphere
   - GEOG 322 Geomorphology [SC]
   - GEOL 310 Earth Resources & Environment [SC]
   - GEOL 311 Earth Materials (5 credits)
   - GEOL 334 Sedimentology and Stratigraphy
   - GEOL 350 Structural Geology (3 credits)

2. Hydrosphere
   - BI 308 Freshwater Biology [SC]
   - ENVS 465 Wetland Ecology & Management
   - GEOG 360 Watershed Science & Policy [SC]

3. Atmosphere
   - GEOG 321 Climatology [SC]
   - PHYS 311 Physics of the Atmosphere

4. Biosphere
   - ANTH 468 Primate Conservation Biology
   - BI 306 Pollination Biology (prereq: BI 213 or 253) [SC]
   - BI 307 Forest Biology [SC]
   - BI 357 Marine Biology [SC]
   - BI 370 Ecology
   - BI 374 Conservation Biology
   - BI 469 Restoration Ecology
   - BI 478/479 Neotropical Ecology in Ecuador
   - GEOG 323 Biogeography [SC]
   - GEOG 433 Fire and Natural Disturbance
   - LA 441 Principles of Applied Ecology

5. Human Dimensions
   - ANTH 360 Human Ecology
   - GEOG 432 Climatological Aspects of Global Change (prereq: GEOG 321)
   - GEOG 353 Geological Hazards [SC]

6. Analytical Approaches
   - ENVS 355 Environmental Data Analysis & Modeling
   - GEOG 414 Advanced Geographic Data Analysis
   - GEOG 416 Introductory Geographic Information Systems
   - GEOG 418 Fundamentals of Remote Sensing

**AREA 3B** Upper-Division Social Science and Humanities Courses (10 courses).
All ENVS majors must complete two thematic groups (one preparatory course and three upper-division courses in each group)...or four upper-division courses plus two electives from other themes. One elective must be a humanities course. Upper division courses must be taken from a minimum two departments within a group. No more than four courses may be taken from a single discipline without adviser’s consent. ALL COURSES MUST BE GRADED. Up to four upper-division courses may be applied to a second major, or two for a minor. The five themes are:
- Landscape, History, and Place (LHP)
- Environmental Economics, Policy, and Politics (EEPP)
- Society and the Environment (SEnv)
- Environmental Representations and Values (ERV)
- Built Environment Sustainability, Health and Quality of Life (BEEnv)

**LHP (Landscape, History, and Place)**
Preparatory Courses:
- ANTH 252 Human Impacts on Ancient Environments
- HIST 273 Introduction to American Environmental History [SSC][AC]
- GEOG 142 Human Geography [SSC][IC]

Upper Division:
- ANTH 320 Native American History (LHP)[IP]
- ARH 463 Native American Architecture (AC)
- ARH 477 or 478 History of Landscape Architecture
- ENVS 411 Topics: Wilderness
- GEOG 343 Landscape Culture and Place [SSC][IP]
- GEOG 401 Environmental Alternatives
- GEOG 402 Historical and Contemporary Views of the Environment
- GEOG 463 Geography, Law, and the Environment
- GEOG 464 Forests and the Human Experience
- HIST 473 American Environmental History
- HIST 475 Topics in American Indian History (IP)
- LA 375 Contemporary American Landscape
- LA 484 Landscape Perception
- SOC 304 Community, Environment, Society [SSC]

Other approved course: ____________________________

**EEPP (Environmental Economics, Policy, and Politics)**
Preparatory Courses:
- EC 201 Introductory Microeconomics [SSC]
- PS 297 Introduction to Environmental Politics

Upper Division:
- EC 333 Resource and Environmental Economic Issues [SSC]
- EC 432 Economics of the Pacific Northwest
- EC 433 Resource and Environmental Economics
- ENVS 350 Ecological Footprint of Energy Generation
- GEOG 342 Geography of Globalization
- PPPM 331 Environmental Management
- PPPM 418 Introduction to Public Law
- PPPM 443 Natural Resource Policy
- PS 421 Science, Technology and International Relations
- PS 477 International Environmental Politics
- PS 497 Environmental Politics

Other approved course: ____________________________

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SEnv (Society and the Environment)
Preparatory Courses:
- HIST 103 Western Civilization [SSC]
- SOC 204 Introduction to Sociology [SSC]
- PS 297 Introduction to Environmental Politics

Upper Division:
- ANTH 365 Food and Culture
- ENVS 435 Environmental Justice
- ENVS 450 Political Ecology
- GEOG 341 Population & Environment [SSC] [IC]
- GEOG 461 Environmental Alteration
- GEOG 463 Geography, Law, and the Environment
- GEOG 464 Forests and the Human Experience
- HIST 473 American Environmental History
- INTL 421 Gender & International Development
- PS 434 Feminism and Ecology [IP]
- PS 497 Environmental Politics
- SOC 303 World Population and Social Structure [SSC] [IC]
- SOC 304 Community, Environment, and Society [SSC]
- SOC 415 Social Demography
- SOC 416 Issues in Sociology of the Environment
- WGS 331 Science, Technology & Gender [IP]

Other approved course:

ERV (Environmental Representations and Values)
Preparatory Courses:
- ENG 230 Introduction to Environmental Literature [A&L]
- PHIL 102 Ethics [A&L]

Upper Division:
- ARH 351 19th Century Art [A&L] (H)
- ARH 381 Nomadic Art of Eurasia [A&L] [IC] (H)
- ARH 382 Art of the Silk Route [A&L] [IC] (H)
- ARH 385 Chinese Art II [IC] (H)
- ARH 451 Romanticism (H)
- CHN 305, 306 Intro to Chinese Literature [A&L] [IC] (H)
- ENG 325 Literature of the Northwest (H)
- ENG 469 Literature and the Environment (H)
- ENVS 345 Environmental Ethics [A&L] (H)
- ENVS 440 Environmental Aesthetics (H)
- GEOG 462 Views of the Environment
- HIST 473 American Environmental History
- HUM/PHYS 361 Modern Science & Culture [A&L] (H)
- INTL 430 World Value Systems [IC]
- JPN 305, 306 Introduction to Japanese Literature I [A&L] [IC] (H)
- J 410 Environmental Writing in the Galapagos, Ecuador
- J 463 Specialized Reporting: Environmental Writing
- PHIL 339 Intro to Philosophy of Science [SSC] (H)
- PHIL 340 Environmental Philosophy [A&L] (H)
- PHIL 440 Top: Environmental Philosophy (H)
- PHYS 301 Physicists View of Nature [SC]
- PS 434 Feminism and Ecology [IP]

Other approved course:

BE Gov (Built Environment Sustainability, Health and Quality of Life)
Preparatory Courses:
- INTL 240 Perspectives on International Development [SSC] [IC]
- PPPM 201 Introduction to Planning, Public Policy and Management [SSC]
- PS 230 Introduction to Urban Politics [SSC] [AC]

Upper Division:
- ARCH 430 Architectural Contexts: Place & Culture
- ARCH 491 Environmental Control Systems I
- EC 330 Urban and Regional Economic Problems [IP] [SSC]
- GEOG 442 Urban Geography
- GEOG 465 Geography and Development [IC]
- INTL 420 International Community Development
- INTL 421 Gender & International Development
- LA 361 Land Analysis
- LA 440 Introduction to Landscape Planning Analysis
- PPPM 410 Sustainable Development
- PPPM 440 Land Use Planning and Growth Management
- PPPM 446 Socioeconomic Development Planning
- PS 410 Urban Politics
- SOC 442 Urbanization and the City
- SOC 450 Soc of Developing Areas [IC]

Other approved course:

Upper Division Electives (at least one Humanities course—unless completing ERV).

Or HONORS THESIS for one elective, SIP for both electives.

AREA 4. Environmental Issues (1 course).
- ENVS 411 Issues course, or other approved course as listed on tip sheet

AREA 5. Practical Learning Experience (PLE) Requirement:
All ENVS majors must complete 4 upper division credits of practical learning, which can be satisfied in any of the following ways:
- An environmentally-oriented internship or practicum (equivalent of four credits during junior or senior year; approval of the ENVS Internship Coordinator is required)
- A Student Initiated Project (or SIP) (approval of the SIP Coordinator is required)
- One term of study abroad (must include a substantial environmental component)
- One term of study at a field station such as OIMB or Malheur Field Station (must include a substantial environmental component)
- Other experiential learning opportunities as approved by the Head Adviser
- Participation in the Environmental Leadership Program (ELP)
- Completion of the Professional Distinctions Program
- LA 390 Urban Farm (4 credits)
- PEOL 301-455 (minimum 4 credits)
- Other approved course

All courses for the major must be taken for a grade.
Up to 16 upper-division credits (usually four courses) may be applied to a 2nd major.
You must meet with your adviser during the first term of your final year.

Student Name: ____________________________  ID #: ____________________________

Student Date: ____________________________  Approval Date: ____________________________

Date: 3/15/2010

Last updated 3/15/2010