

SENR/AEDE
Environment, Economy, Development & Sustainability
 121 Hours - Summer Semester 2013

| COURSE & NUMBER | Units | | COURSE & NUMBER | Units | |
|---|--------------------|--|---|------------------|--|
| UNIVERSITY REQUIREMENTS (GE) | | | EEDS CORE REQUIREMENTS: Problems & Solutions to Environment, Economy and Development Issues | 35 Hours | |
| Writing Skills | 6 Hours | | ENR 1100 (ENR Survey) | 1 | |
| English 1110 (First Year Writing Course) | 3 | | ENR 2500 Intro to Environment, Economy, Development, and Sustainability | 3 | |
| ENR 2367 (Communicating Environmental and Natural Resources Information) or Writing Level 2 GE Equivalent course | 3 | | AEDECON 4597.01 (Food, Population, and the Environment) | 3 | |
| Arts & Humanities | 12 Hours | | AEDECON 3680 (Regional Economics and Sustainable Growth) | 3 | |
| GE Literature Course ●▲ | 3 | | AEDECON 4310 (Environmental and Natural Resources Economics) | 3 | |
| GE Arts Course ●▲ | 3 | | AEDECON 4330 (The Sustainable Economy: Concepts and Methods) | 3 | |
| GE History Course ●▲ [Recommended: HISTORY 2700, 2701, 2702, 2704] | 3 | | BUS ADMIN 3640.02 (Intro to Sustainability in Business I: Principles & Concepts) | 3 | |
| GE Culture & Ideas or other Humanities course ●▲ [Recommended: ENR 3470 (Religion & Environmental Values in America)] | 3 | | BUS ADMIN 3642.02 (Intro to Sustainability in Business II: Applications, Solutions, & Project Experience) | 3 | |
| Social Sciences | 9 Hours | | ENR 3500 (Community, Environment & Development) | 3 | |
| RURLSOC 1500 ● (Recommended) or GE Social Science ●▲ | 3 | | ENR 3200 (Environmental and Natural Resources Policy) or AEDECON 4003 (Economics of Public Policy Analysis) | 3 | |
| ENR 2300 (Society and Natural Resources) | 3 | | FABE/ENVENG 5310 (Ecological Engineering & Science) or ENR 3900 (Sustainability Metrics) | 4 | |
| AED ECON 2001 or ECON 2001.01 (Microeconomics) | 3 | | RURLSOC 5500 (Diffusion of Innovations) | 3 | |
| Diversity Courses | overlapping | | EXPERIENTIAL LEARNING REQUIREMENTS | 5-8 Hours | |
| Social Diversity in US ● | ---- | | Capstone Course: AED ECON/ENR 4567 (Assessing Sustainability: Project Experience) | 3 | |
| Global Studies Course 1 ▲ | ---- | | Internship: ENR 4191 or AEDECON 4191 or Study Abroad: ENR 5797.01-.05, 5797.07, 5797.10-.11 FAES 3797 (Costa Rica), AEDECON 5797 (Czech Republic) | 2-5 | |
| Global Studies Course 2 ▲ | ---- | | | | |
| Analysis Methods and Tools | 10 Hours | | EEDS Specializations: | 21 Hours | |
| AED ECON 2005 or ENR 2000 (Recommended) | 3 | | Sustainability and Business Specialization | | |
| ENR 3700 (Intro to Spatial Info for Natural Resources)* or GEOG 5210 (Fundamentals of Geographic Inform Systems) | 3 | | Environmental Economics and Policy Analysis Specialization | | |
| Math 1130 (College Algebra for Business) or Math 1148 (College Algebra) | 4 | | Community Development Specialization | | |
| Natural Sciences Foundations | 14-15 Hours | | International Development Specialization | | |
| ENR 2100 (Intro to Environmental Science) | 3 | | | | |
| Biology 1101 (Intro Biology) or Biology 1113 (Biological Sciences: Energy Transfer & Development) | 4 | | | | |
| Physical Science (with lab) | 4-5 | | | | |
| GE Science Option: Choose from approved list† | 3 | | | | |
| Free Electives* | 5-9 Hours | | MINIMUM HRS FOR GRADUATION | 121 Hours | |

†GE Open Science Option List: EARTHSC 1151 (Natural Hazards), ENR 2155 (Energy and the Environment), EARTHSC 2203 (Environmental Geoscience), EARTHSC 2204 (Exploring Water Issues), EARTHSC 2210 (Energy, Mineral Resources and Society), ENR 3000 (Soil Science), GEOG 2800 (Our Global Environment), GEOG 3900 (Global Climate Change: Causes and Consequences)

EEDS ADDITIONAL COURSES BY SPECIALIZATION

| COURSE & NUMBER | UNITS |
|--|-----------|
| Sustainability and Business Specialization | |
| <i>Required Courses:</i> | 12 |
| AED ECON 2105 Managerial Records and Analysis or ACCTMIS 2000 Foundations of Accounting or ACCTMIS 2200 Introduction to Accounting I | 3 |
| AED ECON 3103 Principles of Agribusiness Finance or BUSFIN 3120 Foundations of Finance | 3 |
| AED ECON 4320 Energy, the Environment and the Economy | 3 |
| ENR 4400 Law and Legal Process or ECON 4700 Government and Business | 3 |
| <i>Specialization Electives- CHOOSE ONE from the following list:</i> | 3 |
| AED ECON 5330 Benefit-Cost Analysis | 3 |
| ENR 5210 US Environmental Impact Assessment | 3 |
| ENR 5211 International Environmental Impact Assessment | 3 |
| BUSML 3381 Logistics Management for EEDS & BUSML 4385 Building a Sustainable Supply Chain (1.5 each) | 3 |
| BUSML 4255 Sustainability Marketing for Consumers, Firms & Society | 3 |
| BUS ADMIN 2798 Green Business (Study Tour – International) | 3 |
| RURLSOC 5580 Social Impact Assessment | 3 |
| PUBAFRS 5750H Public Policy: The Business Government Relationship | 3 |
| <i>CHOOSE TWO more from the list of EEDS electives:</i> | 6 |
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| Sustainability and Business Specialization Total | 21 |

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| Sustainability and Business Specialization Total | 21 |
| University GE Total/SENR Core Total | 101 |
| Minimum Degree Total | 121 |

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| Environmental Economics and Policy Analysis Specialization | |
| <i>Required Courses:</i> | 12 |
| AED ECON 4001 Managerial Economics for Agribusiness, or ECON 4001.02 or ECON 4001.03 Intermediate Microeconomic Theory (MATH 1131 is a pre-requisite) | 3 |
| AED ECON 5330 Benefit-Cost Analysis (AED ECON 4001 or ECON 4001.02 or ECON 4001.03 Intermediate Microeconomic Theory is a pre-requisite) | 3 |
| AED ECON 4320 Energy, the Environment, and the Economy | 3 |
| ENR 5210 US Environmental Impact Assessment | 3 |
| <i>Specialization Electives- CHOOSE ONE from the following list:</i> | 3 |
| AED ECON 4003 Economics of Public Policy Analysis (if not taken in core) | 3 |
| ENR 5649 Wildlife Conservation Policy | 3 |
| ENR 4400 Law and Legal Process | 3 |
| CHOOSE TWO more from the list of EEDS electives: | 6 |
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| Environmental Economics and Policy Analysis Specialization Total | 21 |

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| Environmental Economics and Policy Analysis Specialization Total | 21 |
| University GE Total/SENR Core Total | 101 |
| Minimum Degree Total | 121 |

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| Community Development Specialization | |
| <i>Required Courses:</i> | 12 |
| CRP 3400 Planning for Sustainable Economic Development | 3 |
| RURLSOC 4500 Community Development in Practice | 3 |
| RURLSOC 5540 Population, Place, and Environment | 3 |
| RURLSOC 5580 Social Impact Assessment | 3 |
| <i>Specialization Electives- CHOOSE ONE from the following list:</i> | 3 |
| AEE COMLDR 3330 Program Development and Evaluation | 3 |
| CRP 2200 Sustainable Infrastructure Planning | 3 |
| CRP 3000 Planning Resilient Environments | 3 |
| CRP 3500 The Socially Just City | 3 |
| CRP 3600 Land Development Planning | 3 |
| CRP 4110 Transportation and Land Use Planning | 3 |
| CRP 5500 Energy Planning | 3 |
| ENR 4400 Law and Legal Process | 3 |
| ENR 5210 US Environmental Impact Assessment | 3 |
| GEOG 5402 Land Use Geography | 3 |
| SOCWORK 5194 Group Studies | 3 |
| CHOOSE TWO more from the list of EEDS electives: | 6 |
| | |
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| Community Development Specialization Total | 21 |

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|---|------------|
| Community Development Specialization Total | 21 |
| University GE Total/SENR Core Total | 101 |
| Minimum Degree Total | 121 |

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| International Development Specialization | |
| <i>Required Courses:</i> | 12 |
| AED ECON/INTSTDS 4532 Food Security and Globalization | 3 |
| AED ECON/INTSTDS 4535 International Economic Development | 3 |
| ENR 5211 International Environmental Impact Assessment | 3 |
| RURLSOC 3580 Social Groups in Developing Societies or ENR/WGSST 3530 Women, Environment and Development or ENR 5480 Local Peoples and International Conservation | 3 |
| <i>Specialization Electives- CHOOSE ONE from the following list:</i> | 3-4 |
| AED ECON/INTSTDS 4534 Comparative Challenges to Economic Development: Sub-Saharan Africa, Latin America, and China | 3 |
| AED ECON/ECON/INTSTDS 4537 Middle Eastern Economic Development | 3 |
| AED ECON/INTSTDS 4540 International Commerce and the World Economy | 3 |
| CRP 4597 The Global Environment in Planning | 3 |
| ECON 4500 Economic Development | 3 |
| ECON 4560 Cooperation and Conflict in the Global Economy | 3 |
| ECON 5150 Economic Transitions in the 20 th Century | 4 |
| ENR/WGSST 3530 Women Environment & Development | 3 |
| ENR 5480 Local Peoples and International Conservation | 3 |
| GEOG 3597.01 World Urbanization | 3 |
| GEOG 3702 - Life and Death Geographies: Global Population Dynamics | 3 |
| GEOG 5402 Land Use Geography | 3 |
| POLI SCI 3220 Politics of the Developing World | 3 |
| POLI SCI 4335 International Environmental Politics | 3 |
| RURLSOC 3580 Social Groups in Developing Societies | 3 |
| RURLSOC 5580 Social Impact Assessment | 3 |
| CHOOSE TWO more from the list of EEDS electives: | 6 |
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| International Development Specialization Total | 21 |

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|---|------------|
| International Development Specialization Total | 21 |
| University GE Total/SENR Core Total | 101 |
| Minimum Degree Total | 121 |

| EEDS ELECTIVES | |
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| COURSE & NUMBER | UNITS |
| <i>Business and Management</i> | |
| AED ECON 2105 Managerial Records and Analysis or ACCTMIS 2000 Foundations of Accounting | 3 |
| AED ECON 3101 Principles of Agribusiness Management | 3 |
| AED ECON 3102 Principles of Agribusiness Marketing | 3 |
| AED ECON 3103 Principles of Agribusiness Finance | 3 |
| AED ECON 4001 Managerial Economics for Agribusiness (Math 1132 is a pre-requisite) | 3 |
| <i>Communities and Social Groups</i> | |
| AEE/COMLDR 3330 Program Development and Evaluation | 3 |
| ECON 3048 - Ethics and Social Responsibility in Economic Life | 3 |
| ENR/WGSST 3530 Women Environment & Development | 3 |
| RURLSOC 3580 Social Groups in Developing Societies | 3 |
| RURLSOC 4500 Community Development in Practice | 3 |
| RURLSOC 5580 Social Impact Assessment | 3 |
| SOCIOL 2367.02 Urban Social Problems | 3 |
| SOCIOL 2391 Social Organization of Communities | 3 |
| SOCIOL 3597.01 World Problems in Global Context | 3 |
| SOCIOL 3597.02 World Population Problems | 3 |
| <i>Economics and Development</i> | |
| AED ECON 2580 Feast or Famine: The Global Business of Food | 3 |
| AED ECON/INTSTDS 4532 Food Security and Globalization | 3 |
| AED ECON/INTSTDS 4534 Comparative Challenges to Economic Development: Sub-Saharan Africa, Latin America, and China | 3 |
| AED ECON/ECON/INTSTDS 4537 Middle Eastern Economic Development | 3 |
| AED ECON/INTSTDS 4540 International Commerce and the World Economy | 3 |
| ECON 4560 Cooperation and Conflict in the Global Economy | 3 |
| <i>Environmental Policy, Law and Public Management</i> | |
| AED ECON 4003 Economics of Public Policy Analysis - if not taken in core (AED ECON 4001 or equivalent intermediate microeconomics course is a pre-requisite) | 3 |
| AED ECON 4320 Energy, the Environment, and the Economy | 3 |
| AED ECON 5330 Benefit-Cost Analysis (AED ECON 4001 or equivalent intermediate microeconomics course is a pre-requisite) | 3 |
| ECON 3710 Law and Economics | 3 |
| ENR 4400 Law and Legal Process | 3 |
| ENR 4450 Climate Change Policy | |
| ENR 4900.01 Environment and Natural Resources Management | 3 |
| ENR 5649 Wildlife Conservation Policy | 3 |
| POLI SCI 4335 International Environmental Politics | 3 |
| PUBAFRS 2110 Introduction to Public Affairs | 3 |
| PUBAFRS 2150 Introduction to Non-Profit Organizations | 3 |

| EEDS ELECTIVES | |
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| PUBAFRS 3140 Nonprofit Management and Governance | 3 |
| <i>Environmental Sciences</i> | |
| EARTHSCI 2204 Exploring Water Issues | 3 |
| EARTHSCI 2210 Energy, Mineral Resources and Society | 3 |
| EARTHSCI 3411 Water Security for the 21 st Century | 3 |
| ENR/EARTHSCI 2155 Energy and Environment | 3 |
| ENR 3000 Soil Science | 3 |
| ENR 3280 Water Quality Management | 2 |
| ENR 3300 Introduction to Forestry, Fisheries and Wildlife | 3 |
| ENR 5210 US Environmental Impact Assessment | 3 |
| ENR 5211 International Environmental Impact Assessment | 3 |
| ENR 5250.01 Wetland Ecology and Restoration | 3 |
| ENR 5280 Stream Ecology | 4 |
| GEOG 2800 Our Global Environment | 3 |
| GEOG 3900 Global Climate Change: Causes and Consequences | 3 |
| <i>Humans and Environment</i> | |
| ANTHROP 3411 - Human Ecological Adaptations (ANTHROP 2200 - Introduction to Physical Anthropology is a pre-requisite) | 3 |
| ENR 2155 Energy and Environment | 3 |
| ENR 3400 Psychology of Environmental Problems | 3 |
| ENR 3470 Religion & Environmental Values in America | 3 |
| ENR 5600 Sustainable Agriculture and Food Systems | 3 |
| GEOG 3597.01 World Urbanization | 3 |
| GEOG/ENG 3597.03 Environmental Citizenship | 3 |
| GEOG 5700 Geography of Development | 3 |
| GEOG 3702 Life and Death Geographies: Global Population Dynamics | 3 |
| GEOG 3800 Geographical Perspectives on Environment and Society | 3 |
| GEOG 5402 Land Use Geography | 3 |
| GEOG 5802 Globalization and Environment | 3 |
| PHILOS 2342 Environmental Ethics | 3 |
| RURLSOC 5540 Population, Place & Environment | 3 |
| SOCIOL 3460 Environmental Justice | 3 |
| <i>Planning and Engineering</i> | |
| AEDE/PUBAFRS/CRP 5900 Food System Planning and the Economy | 3 |
| ARCH 2220 Sustainability and the Built Environment | 3 |
| CRP 3400 Planning for Sustainable Economic Development | 3 |
| CRP 3600 Land Development Planning | 3 |
| CRP 4597 The Global Environment in Planning | 3 |
| FABENG 5550 Sustainable Waste Management | 3 |
| ISE 2040 Engineering Economics (permission of department required) | 2 |

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| EEDS ELECTIVES | |
| <i>Project Experience and Service Learning</i> | |
| AED ECON/ENR Study Abroad | 3 |