Environmental & Water Resource Economics

Minor Checklist

- 18 units of AREC coursework required
- Students must earn a 2.0 GPA in the minor to graduate
- Not all courses are offered each semester
- Junior class standing is recommended for upper division coursework
- Requirements current from Fall 2012 onwards

Required Courses:

(3 units each) Calculus is pre-req to all courses

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<th>Course</th>
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<td>AREC 304 (Fall)</td>
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<td>AREC/ECON 339 (Fall/Summer Pre-Session)</td>
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Choose four of the following courses:

AREC 360 (SP), AREC 373 (SP), AREC 464 (F), AREC 476 (SP), AREC 478, AREC 479 (F), ECON 373, ECON 478, ENVS 479, GEOG 479, HWRS 476, HWRS 479, RNR 476, RNR 479

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- See back for course descriptions and requirements.
- ECON200 and AREC major/minor are basic pre-requisites for all of our courses listed.
AREC 304 - INTERMEDIATE PRODUCTION & CONSUMPTION ANALYSIS (Spring) (pre-requisite: Calculus)
Production and consumption theory and techniques for the analysis of agricultural and resource economics issues.

AREC 339 - Economic Statistics - (Fall & Summer pre-session) (Pre-requisite: Calculus)
Application and interpretation of statistical measures to problems in economics.

AREC 360 - THE POVERTY AND DEVELOPMENT OF NATIONS (Spring)
Exploration and analysis of the multi-dimensionality of hunger, poverty, and economic growth, with special emphasis on the cases of lower-income nations. Both microeconomic (e.g. technology, education) and macroeconomic (e.g. foreign aid, trade) factors are examined.

AREC 373 / ECON 373 – ENVIRONMENTAL ECONOMICS (Fall and Spring)
Analysis of current environmental problems and their potential solutions. (Eller controls enrollment in this course, please contact econreg@eller.arizona.edu when trying to enroll in this course).

AREC 464 - ECONOMICS OF POLICY ANALYSIS (Fall) (pre-requisite: Calculus, & AREC315, or AREC304 or ECON301)
Applied economic theory and method of policy analysis and public choice. Emphasis is on policies impacting agriculture and rural America-especially historical and continuing government intervention in agricultural markets.

AREC 476 / HWRS 476 / RNR 476 - ENVIRONMENTAL LAW AND ECONOMICS (Spring)
A complex set of laws has developed to control the environmental risks posed by potentially polluting activities. In this course, a survey and an economic evaluation are presented of major environmental legislation designed to protect air, land and water resource quality.

AREC 478 / ECON 478 - ECONOMICS OF THE NATURAL ENVIRONMENT (Spring, not often offered)
Economics is used to study the allocation, management, and ownership of such natural resources as air, fisheries, forests, global resources, minerals, natural areas, oil & gas, water, and wildlife. The course is comprised of theoretical models and detailed applications - including the relationship between economic development and environment, the economics of climate change, and the economics of public land management. Emphasis is placed on the causes and effects of alternative institutions governing the use of the natural environment with a focus on property rights, legal rules, regulations, and administrative agencies.

AREC 479 / ENVS 479 / GEOG 479 / HWRS 479 / RNR 479 - ECONOMICS OF WATER MANAGEMENT AND POLICY (Fall) (Pre-requisite: Calculus)
This course focuses on economic tools and methods useful to water managers and policymakers. Case studies focus on water supply and demand, pricing and transactions, river basin management, recreation and environmental uses, inter-jurisdictional conflicts.