

**International Agriculture Interdisciplinary Undergraduate Program  
Suggested Courses**

<b>Department</b>	<b>Course Number</b>	<b>Cr.</b>	<b>Course Description</b>
<b>Agricultural Education &amp; Studies</b>	<b>**Ag Ed S 496A</b>	1-3	<b>International Agricultural Travel Course</b> One to three credits each time taken. F.S.SS. Prereq: Permission of instructor. Limited enrollment. Extended field trips to study agriculture and education related topics. Location and duration of trips will vary. Pre-trip sessions arranged. Trip expenses paid by students.
	<b>*Ag Ed S 561</b>	3	<b>Agricultural &amp; Extension Education in Developing Countries</b> Alt. S., Prereq: Permission of instructor. Utilizing systematic approaches to identifying, analyzing, and solving problems in international agricultural education, with emphasis on the impact of agricultural education, formal and non-formal, on development.
<b>Agronomy</b>	<b>Agron 342</b>	3	<b>World Food Issues: Past &amp; Present</b> World food problems in context of historical development of agriculture in major cradles of civilization. Emphasis on population trends and socioeconomic policies to understand disparities between potential agricultural production and present energy and nutritional deficiencies in key areas of the developing world. Team projects. Materials fee. Same as FSHN 342, T SC 342, & U St 342.
	<b>*Agron 404/504</b>	3	<b>Global Change</b> Recent changes in global biogeochemical cycles and climate; models of future changes in climate system; impacts of global change on agriculture, water resources, and human health; ethical issues of global environmental change. Same as EnSci 404 & Mteor 404.
	<b>Agron 406</b>	2	<b>Climate of the Continents</b> Major climate controls and they affect world climate. Climate classification. Combining controls and classification to explain the pattern of climates of the different continents and the world.
	<b>Agron 446</b>	3	<b>World Agronomic Systems</b> Interdisciplinary study and comparison of agricultural systems of the world. Includes analysis of biophysical, social, economic, and political determinants of global systems. Evaluation of the productivity and sustainability of systems. Emphasis is on the interrelationships among system determinants, and the analysis of system constraints and solution strategies. Includes a team project and report.

\* Dual-listed courses: Courses primarily for graduate students, open to qualified undergraduate students. Contact the Instructor for more information.

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Department	Course Number	Cr.	Course Description
<b>Agronomy (Continued)</b>	<b>Agron 450</b>	2	<b>Issues in Sustainable Agriculture</b> Agricultural science as a human activity, contemporary agricultural issues from agro-ecological perspectives. Comparative analysis of intended and actual consequences of industrial agricultural development practices.
	<b>Agron 495</b>	Vary	<b>Agricultural Travel Course Preparation</b> This course is designed to be a pre-requisite preparation for the international travel course Agron 496. Students enrolled in this course intend to register for Agron 496 the following term. Topics include the agricultural industries, climates, crops, cultures, economies, geographies, histories, and livestock, marketing, and soils of the planned travel region.
	<b>**Agron 496A</b>	Vary	<b>International Agricultural Travel Course</b> <i>Pre-requisite:</i> Agron 495. Tour and study of production methods in major crop and livestock regions of the world. Includes the influences of climate, economics, geography, soils, landscapes, markets, and other factors on crop and livestock production. Location and duration of tours varies. Check with department for current offerings.
<b>Animal Science</b>	<b>**An S 496A</b>	Vary	<b>International Agricultural Travel Course</b> <i>Requisite:</i> Students must enroll in both AnS 496 and Agron 496 simultaneously. May be repeated (approximately one-half credit per week of travel in each AnS 496 and Agron 496 course taken). Tour and study of production methods in major crop and livestock regions of the world. Influence of climate, economics, geography, soils, landscapes, markets, and other factors on livestock and crop production. Locations and duration of tours will vary. Summer tours visit a northern hemisphere location, and winter tours visit southern hemisphere locations. Information is available approximately 9 months before departure. Check with departments for current offerings.
	<b>An S 580</b>	1	<b>Sustainable Agriculture Seminar</b> Issues, opportunities, and research associated with production systems for sustainable agriculture.

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<b>Animal Ecology</b>	<b>A Ecl 455</b>	3	<b>International Wildlife Issues</b> Biological, political, social, and economic factors affecting the management of international wildlife resources.
<b>Economics</b>	<b>Econ 101</b>	3	<b>Principles of Microeconomics</b> Resource allocation, opportunity cost, comparative and absolute advantage. Supply and demand. Marginal analysis. Theories of production and consumption, pricing, and the market system. Perfect and imperfect competition and strategic behavior. Factor markets. Present discounted value.
	<b>Econ 355</b>	4	<b>International Economics</b> Explanations of causes of international trade and the impact of trade on welfare and employment patterns. Analysis of government policies toward trade, such as tariffs, quotas, and free trade areas. Theory of balance of payments and exchange rate determination, and the role of government payments and exchange rate determinations, and the role of government policies. Examination of alternative international monetary arrangements.
	<b>Econ 370</b>	3	<b>Comparative Capitalism &amp; Economic Transitions</b> Comparative organization and performance of variants of market capitalism. Includes alternative government interventions and patterns of economic growth and income distribution; analysis of planning, incentives, and enterprise behavior in variants of socialism, study of comparative economic transformations of socialist economies; assessment of future capitalism and social market economies; includes an examination of the U.S., Europe, Japan, Russia, and China.

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<b>Economics (Continued)</b>	<b>Econ 385</b>	3	<b>Economic Development</b> Current problems of developing countries, theories of economic development, agriculture, and economic development measurement and prediction of economic performance of developing countries. Topics such as alternative policies and reforms required to satisfy basic needs of developing countries; and the interrelationships between industrialized countries and the developing world, including foreign aid, are discussed.
	<b>Econ 455</b>	4	<b>International Trade &amp; Finance</b> Rigorous treatment of theories of international trade and its impact on domestic and world welfare and the distribution of income. Theoretical analysis of government policies toward trade, such as quotas, tariffs, and free trade areas. Theory of exchange rate and balance of payments determination and the role of government policy, study of efficiency of the foreign exchange market. Examination of alternative international monetary arrangements.
	<b>Econ 460</b>	4	<b>Agricultural, Food, &amp; Trade Policy</b> Discussion, description, and analysis of economic problems of U.S. agriculture. Includes an explanation and economic analysis of government policies and programs to develop agriculture, conserve agricultural resources, address consumer food concerns, stabilize farm prices, and raise farm incomes. Also includes discussions on the influence of macro-policy, world economy, and international trade on U.S. agriculture.
	<b>**Econ 496</b>	1-3	<b>International Economics Travel Course</b> One to three credits each time taken. Tour and study of international agricultural and/or non-agricultural economies, markets and institutions. Locations and durations of tours vary.
<b>Environmental Science</b>	<b>Env S 484</b>	3	<b>Sustainable Communities</b> The theory and application of sustainability to the physical and social planning of communities. The course will examine environmental ethics as a basis for sustainability, the history of the idea of sustainability itself, and the movement toward indicators as outcome measurements both in the U.S. and internationally. The course will then explore how these ideas have been or might be applied in communities here and abroad.

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<b>Entomology</b>	<b>Ent 374</b>	3	<b>Insects &amp; Our Health</b> Identification, biology, and significance of insects and arthropods that attack people and animals, particularly those that are vectors of disease.
<b>Horticulture</b>	<b>**Hort 496</b>	1-3	<b>International Horticulture Travel Course</b> Credits may be repeated. Study and tour of production methods in major horticultural regions of the world. Influence of climate, economics, geography, soils, landscapes, markets, cultures, and histories of horticultural crops and regions. Locations and durations of tours vary.
<b>Political Science</b>	<b>Pol S 241</b>	3	<b>Introduction to Comparative Government &amp; Politics</b> Basic concepts and major theories; application to selected political systems, including non-western and communist political systems.
<b>Sociology</b>	<b>Soc 130</b>	3	<b>Rural Institutions &amp; Organizations</b> An introductory analysis of sociological concepts and theories as they relate to rural institutions and organizations. Emphasis on the static structure and function of these institutions and organizations and on their dynamic adaptation to changing societal, environmental, and economic conditions. General sociological principles and perspectives. Credits for only 130 or 134 may be applied toward graduation.
	<b>Soc 134</b>	3	<b>Introduction to Sociology</b> Social interaction and group behavior with emphasis on contemporary U.S. society, including issues relating to socialization, inequity, and changing rural and urban communities. Analysis of relationships among the institutions of family, religion, political participation, work, and leisure. Credit for only 130 or 134 may be applied toward graduation.
	<b>Soc 411</b>	3	<b>Social Change in Developing Countries</b> Social change and development in developing countries; international interdependence; the causes and consequences of persistent problems in agriculture, city growth, employment, gender equality, basic needs; and local and worldwide efforts to foster social change and international development.
	<b>**Soc 496</b>	3	<b>Agriculture and Rural Development in Ireland</b> Comparative analysis of the agricultural and rural development needs of Ireland and the U.S. Course involves a two week tour of the Irish countryside where students can observe and experience small town and farm life.

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<b>Technology &amp; Social Change</b>	<b>T SC 341</b>	3	<b>Technology: International, Social, &amp; Human Issues</b> An interdisciplinary study of the international significance of technology and of the societal and human issues attending its development and adoption. (Same as LAS 341.)
	<b>T SC 474</b>	3	<b>Communication Technology &amp; Social Change</b> (Same as JI MC 474). Examination of historical and current communication technologies, including how they shape and are shaped by the social practices and culture into which they are introduced.

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