

JPN 208 Intermediate Japanese II (5). U Continuation of JPN 204. Prerequisite: JPN 204. LEC

JPN 226 Japanese in Context—Intermediate (3). U Supervised and individualized study and practice of language skills through direct experience in interviews and guided practical applications in various public settings in Japan. Some conventional classroom instruction in grammar included. Offered only during the Summer Institute in Hiratsuka, Japan. Prerequisite: Two semesters or the equivalent of Japanese language study. LEC

JPN 233 Special Skills in Japanese: _____ (1-4). U Instruction in special skills in Japanese, such as pronunciation, recognition of Chinese characters, comprehension of broadcast media, etc. at the freshman/sophomore level. Course work must be arranged through the office of KU Study Abroad and approved by the Department of East Asian Languages and Cultures. May be repeated for credit if content varies. LEC

JPN 306 Advanced Japanese Conversation I (2). H/W Intensive practice of communicative skills at the advanced level. Prerequisite: JPN 208 or equivalent. LEC

JPN 310 Advanced Japanese Conversation II (2). H/W Continuation of JPN 306. LEC

JPN 326 Japanese in Context—Advanced (3). U Supervised and individualized study and practice of language skills through direct experience in interviews and guided practical applications in various public settings in Japan. Some conventional classroom instruction in grammar and usage. Offered only during the Summer Institute in Hiratsuka, Japan. Prerequisite: Four semesters or the equivalent of Japanese language study. LEC

JPN 333 Special Skills in Japanese: _____ (1-4). U Instruction in special skills in Japanese, such as pronunciation, recognition of Chinese characters, comprehension of broadcast media, etc. at the junior/senior level. Course work must be arranged through the office of KU Study Abroad and approved by the Department of East Asian Languages and Cultures. May be repeated for credit if content varies. LEC

JPN 386 Advanced Japanese Conversation III (1-3). U Instruction in discussion in formal contexts and speech making. Prerequisite: JPN 504 or equivalent. LEC

JPN 498 Directed Readings in Japanese (1-4). H/W Readings in Japanese on a subject selected by a student with the advice and direction of the instructor. Individual meetings and reports. Prerequisite: Consent of instructor. IND

JPN 504 Advanced Modern Japanese I (3). H/W Readings in selected modern Japanese texts on various topics: history, education, language, society, business, and literature. Meets three hours per week. Prerequisite: JPN 208 or equivalent. LEC

JPN 508 Advanced Modern Japanese II (3). H/W Continuation of JPN 504. Prerequisite: JPN 504 or equivalent. LEC

JPN 509 Business Japanese (3). U Study of Japanese language especially appropriate to business situations. Although the course emphasizes developing conversational ability, the primary focus is on strengthening reading and writing in the specialized area. The course includes discussion of non-verbal aspects of Japanese business practices as well. Prerequisite: The first semester of third-year Japanese or the equivalent. LEC

JPN 542 Introduction to Classical Japanese I (3). H/W Introductory grammar and readings in classical Japanese texts. Prerequisite: JPN 508. LEC

JPN 544 Introduction to Classical Japanese II (3). H Continued readings of classical Japanese texts, on the intermediate and advanced level. Introduction to the elements of kambun (Sino-Japanese) and sorobun (epistolary) styles. Prerequisite: JPN 542 or equivalent. LEC

JPN 562 Modern Japanese Texts I (3). H/W Readings and interpretation of modern Japanese texts from various fields. Continued study of the language in the form of oral discussion and written reports. Prerequisite: JPN 508. LEC

JPN 564 Modern Japanese Texts II (3). H/W A continuation of JPN 562. Prerequisite: JPN 562 or equivalent. LEC

JPN 569 Advanced Business Japanese (3). U This course strengthens reading and writing skills and continues developing conversational ability. It assumes a higher level of competency in Japanese than JPN 509 and includes both verbal and non-verbal aspects of Japanese business practices. Prerequisite: Completion of third-year Japanese or equivalent. LEC

JPN 598 Readings in: _____ (1-3). H/W Students will read selections from materials on a given topic or topics. May be repeated for credit. Prerequisite: JPN 564 or permission of instructor. IND

JPN 690 Seminar in: _____ (1-3). H/W Varying topics with varying prerequisites. LEC

■ Korean Courses

KOR 104 Elementary Korean I (5). U Five hours of class and two hours of drill in the spoken language each week. Grammar and readings in selected texts. LEC

KOR 108 Elementary Korean II (5). U Continuation of KOR 104. Prerequisite: KOR 104. LEC

KOR 204 Intermediate Korean I (5). U Five hours of class and two hours of spoken drill. Readings in selected texts in modern Korean. Prerequisite: KOR 108 or equivalent. LEC

KOR 208 Intermediate Korean II (5). U Continuation of KOR 204. Prerequisite: KOR 204. LEC

KOR 498 Directed Readings in Korean (1-4). H/W Readings in Korean on a subject selected by a student with the advice and direction of the instructor. Individual meetings and reports. Prerequisite: Consent of instructor. IND

KOR 504 Advanced Modern Korean I (3). H/W Five hours of class and two of drill. Readings in selected modern Korean texts on various topics: history, literature, society, and language. Prerequisite: KOR 208 or equivalent. LEC

KOR 508 Advanced Modern Korean II (3). H/W Continuation of KOR 504. Prerequisite: KOR 504 or equivalent. LEC

■ Uyghur Courses

UYGR 104 Elementary Uyghur I (5). U Uyghur is an important Central Asian Turkic language spoken by nine million people in China. The first semester is designed to give the student basic communicative competency, including pronunciation and intonation, structure, and syntax. Effective oral and written communication are stressed. LEC

UYGR 108 Elementary Uyghur II (5). U Uyghur is an important Central Asian Turkic language spoken by nine million people in China. The second semester continues building on basic communicative competency, expanding communicative domains, vocabulary, and structural range. Effective oral and written communication are stressed. Prerequisite: UYGR 104. LEC

Ecology and Evolutionary Biology

Interim Chair: Christopher Haufler, vulgare@ku.edu
Haworth Hall, 1200 Sunnyside Ave., Room 2041
Lawrence, KS 66045-7534, www2.ku.edu/~eeb

M.A. and Ph.D. degrees are offered in ecology and evolutionary biology, botany, and entomology. In addition, students may concentrate in ecology and evolutionary biology by seeking a B.S. in biology. See Biology Undergraduate Program in this chapter of the catalog.

Economics

Chair: Joseph Sicilian
Snow Hall, 1460 Jayhawk Blvd, Room 415
Lawrence, KS 66045-7585, www.economics.ku.edu, (785) 864-3501
Degrees offered: B.A., B.G.S., B.S., M.A., Ph.D.

Why study economics? Because it will give you the tools you need to understand our increasingly interconnected world.

The study of economics offers students insight into some of the most fundamental issues facing societies today: what goods and services should we produce, how should they be produced, and how should they be distributed around the world? Economics is outstanding preparation for a career in finance, business, policy analysis, international relations, or any other field that requires rigorous analytic thinking. It also makes an excellent foundation for graduate study in economics, business, law, political science, or public administration.

Courses for Nonmajors

ECON 104 is recommended for students who want only an introductory course. Students planning to teach social sciences should consult the School of Education chapter of this catalog. Students who plan to enter the School of Business in the junior year should consult the School of Business chapter. Students who plan to enter the School of Journalism should see School of Journalism and Mass Communications.

Majors

First- and Second-year Preparation. Students considering an economics major should enroll in ECON 142/ ECON 143 Principles of Microeconomics or ECON 144/ ECON 145 Principles of Macroeconomics no later than the sophomore year. For the B.A. or B.G.S., a statistics course in the mathematics department fulfills the statistics requirement for the economics major and the second mathematics course requirement. For the B.S., students should complete ECON 520 and MATH 122 by the end of the sophomore year.

Requirements for the B.A. or B.G.S. Major. A total of 27 hours in economics and 3 or 4 hours in statistics is required. Economics courses must include

ECON 142/ECON 143 Principles of Microeconomics	3
ECON 144/ECON 145 Principles of Macroeconomics	3
ECON 520/ECON 521 Microeconomics	3
ECON 522/ECON 523 Macroeconomics	3
Five additional courses in economics	15

The statistics course requirement may be fulfilled by taking MATH 365 or DSCI 301 or MATH 526.

At least three of the required elective courses must be taken from the KU Department of Economics. ECON 310, ECON 496, and ECON 497 do not satisfy this elective course requirement.

ECON 140, a previously offered 4-hour introduction to microeconomics and macroeconomics, can be substituted for ECON 142 and ECON 144.

Requirements for the B.S. Degree. A total of 124 credit hours is required, as follows:

General Education Requirements (55-57 hours)

- English: same as Bachelor of Arts degree requirements; see College of Liberal Arts and Sciences: General Requirements 9
- Western civilization 6
- Mathematics: completion of MATH 115, MATH 116, and MATH 122; or MATH 121 and MATH 122 10-11
- Statistics: MATH 526 or DSCI 301 3-4
- Principal course requirements: same as Bachelor of Arts degree requirements; see http://collegesas.ku.edu/advising/principal_courses.shtml 27

Non-economics Electives. At least three courses at the 300 level or above.

Junior/Senior Credit Hours. Forty-five hours at the 300 level or above.

Economics Requirements (36 or 37 hours)

Economics Core Courses (18 or 19 hours). These courses are required:

- ECON 142/ECON 143 Principles of Microeconomics 3
- ECON 144/ECON 145 Principles of Macroeconomics 3
- ECON 520/ECON 521 Microeconomics 3
- ECON 522/ECON 523 Macroeconomics 3
- ECON 715 Elementary Econometrics 3
- ECON 700 Survey of Microeconomics 3

ECON 140, a previously offered 4-hour introduction to microeconomics and macroeconomics, can be substituted for ECON 142 and ECON 144. Note that ECON 700 and ECON 715 are only offered in the fall semester.

Economics Area Courses (18 hours). The student must complete two courses in each of three of the following areas (6 hours in three areas equals 18 hours in area courses):

1. Public and Resource Economics: ECON 510, ECON 515, ECON 550, ECON 610, ECON 622, ECON 675, ECON 760, ECON 761.
2. Growth and Development and Area Economics: ECON 536, ECON 560, ECON 562, ECON 563, ECON 582, ECON 583, ECON 584, ECON 586, ECON 587, ECON 740, ECON 741.
3. Economic History and History of Economic Thought: ECON 505, ECON 530, ECON 535, ECON 540, ECON 635, ECON 705, ECON 766, ECON 768.
4. Applied Microeconomics: ECON 590, ECON 630, ECON 631, ECON 640, ECON 730, ECON 770.
5. Macroeconomics and International Trade: ECON 600, ECON 604, ECON 605, ECON 701, ECON 750. ECON 700, ECON 715, and at least four of the six required electives must be taken from the KU Department of Economics. The prerequisites for ECON 700 and ECON 715 include completion of ECON 142, ECON 144, ECON 520, and ECON 522 with a grade-point average of at least 3.0 (B).

Electives. The student may choose elective hours to bring the total to 124 for the degree, with the following conditions: At least 9 credit hours of electives must be at the 300 level or above outside of economics. No more than 45 hours in economics may be counted within the 124 hours required for the degree.

Requirements for the Minor. A total of 18 hours in economics is required. Economics courses must include

- ECON 142/ECON 143 Principles of Microeconomics 3
- ECON 144/ECON 145 Principles of Macroeconomics 3
- Four economics courses at the 300 level or above 12

Honors. Graduation with honors in economics is limited to majors who have fulfilled these requirements:

1. Completed all economics major requirements and achieved a grade-point average of 3.5 or above in all economics courses and an overall average of 3.25 or above at the time of graduation.
2. Completed ECON 497 Senior Research, Honors.
3. Submitted and defended a research paper before at least three faculty members of the Department of Economics.

Honors candidates should consult the department honors coordinator before enrolling the first semester of the senior year and file a declaration of intent form with the coordinator at that time.

■ Economics Courses

ECON 104 Introductory Economics (4). SF S An introduction to modern economics designed primarily for students who do not plan to major in economics. Topics include economic history, the operation of economic institutions, and the formation and execution of economics policies to meet the current problems of the do-

mestic and international economy. Prerequisite: MATH 101 or MATH 104, or eligibility for MATH 115 or MATH 121. LEC

ECON 105 Introductory Economics, Honors (4). SF S An introduction to modern economics designed primarily for students who do not plan to major in economics. Topics include economic history, the operation of economic institutions, and the formation and execution of economic policies to meet the current problems of the domestic and international economy. Prerequisite: Consent of the Economics Department and MATH 101 or MATH 104, or eligibility for MATH 115 or MATH 121. LEC

ECON 110 The Economics of Globalization (3). S The course emphasizes the application of economic methods of analysis to the public policy issues that globalization creates. Topics covered may include the following: winners and losers from trade; links between trade and labor markets; links between trade and foreign investment; the international financial system and exchange rates; outsourcing and multinational corporations; international institutions and regional trade agreements. LEC

ECON 142 Principles of Microeconomics (3). SF S An analytical introduction to microeconomics. Topics include theory of markets, public policy, international trade, economic efficiency, and equity. Prerequisite: MATH 101 or MATH 104, or eligibility for MATH 115 or MATH 121. LEC

ECON 143 Principles of Microeconomics, Honors (3). SF S An honors section of ECON 142. An analytical introduction to microeconomics. Topics include theory of markets, public policy, international trade, economic efficiency, and equity. Prerequisite: Consent of the Economics Department and MATH 101 or MATH 104, or eligibility for MATH 115 or MATH 121. LEC

ECON 144 Principles of Macroeconomics (3). SF S An analytical introduction to macroeconomics. Topics include determination of aggregate income, employment, inflation, exchange rates, and the role of fiscal and monetary policy in dealing with unemployment, inflation, and economic growth. Prerequisite: MATH 101, MATH 104, or eligibility for MATH 115 or MATH 121. LEC

ECON 145 Principles of Macroeconomics, Honors (3). SF S An honors section of ECON 144. An analytical introduction to macroeconomics. Topics include determination of aggregate income, employment, inflation, exchange rates, and the role of fiscal and monetary policy in dealing with unemployment, inflation, and economic growth. Prerequisite: Consent of the Economics Department and MATH 101, MATH 104, or eligibility for MATH 115 or MATH 121. LEC

ECON 250 Study Abroad Topics in: ____ (1-5). S This course is designed for the study of special topics in economics at the freshman/sophomore level. Course work must be arranged by the office of KU Study Abroad and approved by the Economics Department. This course may be repeated for credit if content varies. LEC

ECON 310 Topics in Applied Economics: ____ (3). S (Topic, instructor, and specific prerequisites to be announced in the Schedule of Classes.) This course will focus on an area of applied economics of current interest. This course cannot be used to fulfill the elective course requirements for the Economics major or the Economics minor. LEC

ECON 450 Study Abroad Topics in: ____ (1-5). S This course is designed for the study of special topics in economics at the junior/senior level. Course work must be arranged by the office of KU Study Abroad, approved by the Economics Department, and may count as an economics elective for economics majors. This course may be repeated for credit if content varies. LEC

ECON 496 Research in Economics (1-3). S A directed reading and research course for economics majors. The course involves the preparation of a research paper under the supervision of a faculty member whose area of interest and specialization corresponds with the area of study selected by the student. Prerequisite: Approval of major adviser and selected faculty member. IND

ECON 497 Senior Research, Honors (1-3). S Open to seniors in the College who have a grade-point average of 3.5 or above in economics and a grade-point average of 3.25 or above in all courses. A directed reading and research course for qualifying seniors. Involves preparation of a research paper under the supervision of a faculty member whose area of interest and specialization corresponds with the area of study selected by the student. Prerequisite: Approval of major adviser and selected faculty member. IND

ECON 498 Oswald Undergraduate Seminar in Economics (3). S Examine issues in economics of contemporary interest. Enrollment is limited to current Oswald, Boynton, and Pritchard scholarship holders. May be repeated for credit, but does not fulfill the elective course requirements for the Economics major or minor. Prerequisite: ECON 520, ECON 522, and permission of department. LEC

ECON 505 History of Economic Analysis (3). S The history of intellectual efforts to understand economic phenomena and the impact of these efforts on the social and economic development of the modern world. Prerequisite: ECON 104 or ECON 142 and ECON 144. LEC

ECON 510 Energy Economics (3). S The application of basic economic concepts and methods to the analysis of energy markets, regulation, and policies. Topics covered include energy trends and projections, economic growth and resource exhaustion, the organization and regulation of fossil fuel industries, nuclear power and non-conventional energy technologies, the world oil market, energy conservation, environmental pollu-

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tion, and national energy policies in the U.S. and other developed as well as developing countries. Prerequisite: ECON 142 and ECON 144 or permission of instructor. LEC

ECON 515 Income Distribution and Inequality (3). S An analysis of the distribution of income and wealth in the United States and a few other developed countries. The concepts of economic inequality, economic justice, statistical measures of inequality and their applications will be discussed. Various theories of income distribution (e.g., Ricardian, Marxian, neoclassical, and neo-Keynesian) will be covered. Prerequisite: ECON 142 and ECON 144. LEC

ECON 516 Income Distribution and Inequality, Honors (3). H This course examines the definition and impact of social and economic inequality. Beginning with a review of economic and philosophical perspectives of inequality, the course considers the measurement of inequality, current trends in U.S. and international inequality, and policies designed to eliminate inequality. The course requires both writing and quantitative analysis and includes a term paper. Students should be comfortable with methods of quantitative social science. The Honors section is taught as a seminar where philosophical perspectives on inequality are debated and discussed. Prerequisite: ECON 142 and ECON 144. Open only to students who have been admitted to the University Honors Program, or by consent of instructor. LEC

ECON 520 Microeconomics (3). S The theory of consumption, production, pricing, and resource allocation. Not open for credit to students with credit in ECON 524. Prerequisite: ECON 142 and ECON 144. LEC

ECON 521 Microeconomics, Honors (3). S The theory of consumption, production, pricing, and resource allocation. Prerequisite: ECON 142 and ECON 144 and consent of department. LEC

ECON 522 Macroeconomics (3). S The theory of national income and employment, the analysis of aggregate demand, the general degree of utilization of productive resources, the general level of prices, and related questions of policy. Prerequisite: ECON 142 and ECON 144. LEC

ECON 523 Macroeconomics, Honors (3). S The theory of national income and unemployment, the analysis of aggregate demand, the general degree of utilization of productive resources, the general level of prices, and related questions of policy. Prerequisite: ECON 142 and ECON 144 and consent of department. LEC

ECON 530 American Economic Development (3). H An introductory study of the development of the American economy from colonial times to the present. Investigates long-term trends in output, population, and output per capita, as well as short-term fluctuations, and the variables and institutions that determined these fluctuations and trends. (Same as HIST 628.) Prerequisite: ECON 104 or ECON 142 and ECON 144. LEC

ECON 535 Economic History of Europe (3). S An introductory study of European economic history from the Middle Ages to the 1980s. Investigates the sources of economic growth, and the interaction between economic forces and social institutions. Topics covered will include the rise of commerce, the agricultural and industrial revolutions, imperialism, the Great Depression, and European recovery after World War II. (Same as HIST 528.) Prerequisite: ECON 104 or ECON 142 and ECON 144. LEC

ECON 536 Economic Issues of the European Union (3). S A survey of the economies of the European Union, with a focus on the economic development of the member states since World War II, and an examination of the various economic issues confronting them today. (Same as EURS 536.) Prerequisite: ECON 104 or ECON 144. LEC

ECON 540 Recent American Economic History (3). S An empirically oriented examination of the American economy designed to apply economic concepts to a wide variety of topics such as monetary and fiscal policy, income distribution, the Great Depression, poverty, population growth, the defense sector, education, research and development, technological change, and industrial organization. Prerequisite: ECON 104 or ECON 142 and ECON 144; ECON 520 and/or ECON 522 recommended. LEC

ECON 550 Environmental Economics (3). U This course provides an overview of the theory and empirical practice of economic analysis as it applies to environmental issues. Topics include externalities (a type of market failure), the valuation of nonmarket goods, the practice of benefit-cost analysis, and the efficiency and cost effectiveness of pollution control policies. Most importantly, the course permits students to perform economic field research, using state-of-the-art techniques in a manner accessible to undergraduate students. (Same as EVRN 550.) Prerequisite: ECON 104 or ECON 142. LEC

ECON 560 Economic Systems (3). S Critical analysis of economic theories underlying such economic systems as capitalism, different types of socialism, communism, and fascism. Comparative study of economic planning, production, distribution, price formation, economic institutions, and forms of government in countries under different economic systems. Prerequisite: ECON 104 or ECON 142 and ECON 144. LEC

ECON 562 The Russian Economy (3). S/W An analytical survey of Russian economic development, with emphasis on the structure and operation of the Russian economy and transition issues. Prerequisite: ECON 104 or 142 and ECON 144 and consent of instructor. LEC

ECON 563 Current Economic Issues of East Europe (3). S An institutional and theoretical analysis of the issues arising from the transition from a command economy to a free market-oriented economy. With emphasis on the former Soviet Union, topics will include: assessment of the central planning experience; changes in property rights and their effect on resource allocation; market mechanisms and how they work when market institutions are at the formative stage; and public interest under privatization. Prerequisite: ECON 142 and ECON 144. LEC

ECON 564 Topics in Applied Economics: _____ (3). S This course will focus on an area of applied economics of current interest. This course can be used to fulfill the elective course requirement for the Economics major. Prerequisite: ECON 142 and ECON 144. LEC

ECON 582 Economic Development (3). S An introduction to economic growth and development in high and low income countries, problems of development, and development policy. Prerequisite: ECON 104 or ECON 142. LEC

ECON 583 Economic Issues of East Asia (3). S This course will study the economics of the East Asian countries, especially China, Japan, Korea, and Taiwan. Topics

to be covered include economic growth, development and change, international trade, inflation, unemployment, income distribution, and urbanization. Emphasis will be on the post World War II period. Prerequisite: ECON 104 or ECON 142 and ECON 144. ECON 522 recommended. LEC

ECON 584 Economic Development of Latin America (3). S This course explores development strategies followed in the countries of Latin America and the Caribbean, and analyzes current debates over development strategy. Topics covered include: debt, structural adjustment, and multilateral lending agencies; trade policy, and regional or hemispheric integration; state intervention in the economy; the role of elites; environmental degradation and sustainable development; land reform and agricultural policy; transnational enterprises and foreign investment; women in work and the household; migration (rural-urban, and international); and grassroots development projects. Prerequisite: ECON 104 or ECON 144. LEC

ECON 586 Economic Issues in China (3). S This course studies the Chinese economy, especially during the post-1979 reform period, and its relationship to the development of the Greater China Circle (China, Hong Kong, and Taiwan). Topics to be covered include economic development during the pre-1979 reform period, economic reform, and its impacts on China, Hong Kong, Taiwan, and lessons from the Chinese economic reforms. Prerequisite: ECON 142 and ECON 144. LEC

ECON 587 Economic Development of Africa (3). S This course studies current economic issues facing African countries. It studies the general characteristics of several African economies and examines the impact of economic development policies, including those of international organizations, on the economies of Africa. Topics include poverty, income inequality, debt, foreign investment policies, trade policies, and government regimes. Prerequisite: ECON 104 or ECON 142 and ECON 144. LEC

ECON 590 Game Theory (3). S Analysis of strategic choice problems. Firms, voters, bargainers, animals, sports competitors, and persons in everyday life choose alternative options with the outcomes depending on the choices of one or more other similar decision makers. Strategies of rational choices will be derived and analyzed in economic and other environments. Prerequisite: ECON 142. LEC

ECON 600 Money and Banking (3). S The basic principles of money, credit, and banking and their relation to prices and business fluctuations; a study of commercial and central banking and the problems of credit control. Prerequisite: ECON 522. LEC

ECON 604 International Trade (3). S An introduction to the nonmonetary theory of international trade, the cause and pattern of trade, the gains from trade, and the contemporary issues in international economic policy. Prerequisite: ECON 520 or ECON 524. LEC

ECON 605 International Finance (3). S This course surveys theories of exchange rate and balance of payments determination. Included are the elasticity approach, Keynesian models, and the monetary approach. The mechanics of foreign exchange trading, balance of payments accounting, and the working of the international monetary system are also discussed. Prerequisite: ECON 522. LEC

ECON 609 Sports Economics (3). S The course covers the microeconomics of the sports industry. Topics include analysis of teams, leagues, players, incomes, strategies, history, and government policy. Prerequisite: ECON 520 or permission of instructor. LEC

ECON 610 Resource Economics and Environmental Policy (3). Survey of the economics of natural resources, designed to introduce the student to the economic models and analytical methods commonly used in natural resource problems and policy issues. Topics covered include environmental pollution and regulation, environmental case studies and applications of cost-benefit analysis, theoretical models, policy issues in the utilization of renewable and nonrenewable resources, sustainable development, and global environmental problems. Prerequisite: ECON 520 or ECON 524 or permission of instructor. LEC

ECON 620 Elements of Mathematical Economics (3). S Selected aspects of economic theory with emphasis on those parts where the spirit of mathematical analysis, rather than dexterity, is utilized. The simplification of the subject matter is accomplished by stressing complete treatment of special cases such as a two commodity-two individual world. Prerequisite: ECON 520 or ECON 524 and MATH 116 or MATH 121. LEC

ECON 622 Public Finance (3). S A general introduction to the science of public finance. Topics covered include public expenditures, public revenues and public credit, and the shifting and incidence of taxation. Prerequisite: ECON 520 or ECON 524. LEC

ECON 630 Industrial Organization and Antitrust Policy (3). S An examination of the structure, conduct and performance of American industry applying the concepts and techniques of economic analysis. Topics covered include the theories of monopoly, competition and oligopoly, concentration, barriers to entry, price-fixing and other restrictive practices, mergers, technological change, and public regulation. The course will also focus on the historical development of American antitrust law. Prerequisite: ECON 520 or ECON 524. LEC

ECON 631 Economics of Regulation (3). S This course studies topics in the economic effects of industry regulation by administrative agencies as a substitute for market competition. Topics include various theories of regulatory behavior, the theory of natural monopoly, the economic effects of rate of return regulation on the performance of electric utilities, and the effects of recent social and environmental regulation. Prerequisite: ECON 520 or ECON 524. LEC

ECON 635 Science and Technology in Economic Growth (3). S An analytical and historical exploration of the roles that science and technology have played in the economic growth of industrial societies. This course will examine the forces that have shaped the rate and direction of technological change, and the impact of technological change on Western living standards. Topics covered will include factors influencing the pace of innovation, the diffusion of new technologies, international technology transfers, growth accounting, and models of aggregate economic growth. Prerequisite: ECON 520 or ECON 524. LEC

ECON 640 Labor Economics (3). S Analysis of labor markets and differences in wage rates and incomes. Topics include returns to education and training, labor unions, unemployment, anti-poverty programs, and other government policies influencing the labor market. Prerequisite: ECON 520 or ECON 524. LEC

ECON 675 Introduction to Welfare Economics (3). S This course provides a non-technical introduction to optimal resource allocation from the societal point of view as well as alternative individual mechanisms for achieving such an optimum. Prerequisite: ECON 520 or ECON 524. LEC

ECON 680 Economic Growth (3). S This course studies growth with an emphasis on national evidence and macroeconomic policy issues. Classic and modern growth theories are developed and evaluated on the basis of how well they fit empirical evidence. Theories are developed in which productivity growth results from endogenous changes in technology or in the efficiency with which factors are utilized. The fundamental factors that affect productivity are examined, and they may include government policies, income inequality, geography, climate, resources and other factors. Prerequisite: ECON 522. LEC

ECON 700 Survey of Microeconomics (3).

ECON 701 Survey of Macroeconomics (3).

ECON 705 Development of Economic Thought (3).

ECON 715 Elementary Econometrics (3).

ECON 716 Econometric Forecasting (3).

ECON 730 Topics in Industrial Organization (3).

ECON 735 Science and Technology in Economic Growth (3).

ECON 740 Theory of Economic Growth and Development (3).

ECON 741 Economic Planning (3).

ECON 750 The Theory of International Finance (2-3).

ECON 760 The Theory of Public Finance (3).

ECON 761 Public Sector: Urban and Regional Finance (3).

ECON 765 Advanced American Economic Development (3).

ECON 766 Economic History (3).

ECON 768 The Industrial Revolution (3).

ECON 769 Financial Economics (3).

ECON 770 Economics of the Labor Market (3).

English

Chair: Dorice Elliott, delliott@ku.edu

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Degrees offered: B.A., B.G.S., M.A., Ph.D.

Why study English language and literature? The study of English language and literature fosters self-knowledge and cultural understanding.

The department teaches students to write clearly and effectively and to read good literature with understanding and pleasure. It offers courses in three general divisions. (1) Literature: Through reading, discussion, and writing, the student develops powers of appreciation and criticism. (2) Language: Courses describe and explain the historical development of the English language and its present structure. They also may introduce the student to works written in earlier forms of the language. (3) Writing: Through reading, discussion, and practice, the student learns to write informative and imaginative prose. Courses in the writing of fiction, poetry, playwriting, screenwriting, and nonfiction prose are offered.

English Courses Required for All Students

For the B.A. and B.G.S. degrees in the College of Liberal Arts and Sciences, for the Schools of Journalism and Mass Communications and Social Welfare, and for students in the School of Education concentrating in secondary education, these English courses are required: ENGL 101 and ENGL 102 (or ENGL 105 if eligible for honors), and one course chosen from among ENGL 203, ENGL 205 (if eligible for honors), ENGL 209, ENGL 210, and ENGL 211. For B.S. degrees from the College, and for other schools, see school or department listings.

Students should earn credits in the required first- and second-year courses at the earliest opportunity. All new students must enroll immediately and continuously in ENGL 101 and ENGL 102, or equivalents, until they have completed this por-

tion of the College requirement. Admission to English courses numbered 300 and above normally is limited to students who have completed the first- and second-year requirements.

Courses for Nonmajors

Listings of principal courses appear at http://collegesas.ku.edu/advising/principal_courses.shtml. English principal courses under the Literature and the Arts heading are designated HL. Prospective English teachers in the public schools should consult the requirements of the School of Education. Students not required to take a 200-level English course must seek English department permission to enroll in junior/senior English courses.

Placement in English

Advanced Placement Examination. The English literature and composition test and the language and composition test are administered by the Educational Testing Service (a subsidiary of the College Entrance Examination Board) to high school seniors. Scores range from 1 to 5.

5 on the literature and composition test: Exemption from first- and second-year English and 6 hours of credit.

5 on the language and composition test: Placement in ENGL 205, completion of which satisfies the English requirement, and 3 hours of credit.

For both the literature and composition test and the language and composition test, scores of 1 to 4 have the following effects at KU:

4: Student receives 3 hours of credit in English and is placed in ENGL 205, completion of which satisfies the English requirement.

3: No credit is awarded. Student is placed in ENGL 105, and the English requirement is reduced to 6 hours.

2: No credit is awarded. Student is placed in ENGL 101 (unless ACT score in English is 31 or higher) but is eligible to take the English department's Honors Placement Examination for possible admission to ENGL 105, which reduces the English requirement to 6 hours.

1: No effect.

ACT Examinations. If students are accepted into the Honors Program, a score of 31 or higher on the ACT English test places them in ENGL 105, and their English requirement is reduced to 6 hours. They may satisfy this requirement by completing ENGL 105 and one of the following: ENGL 205, ENGL 203, ENGL 209, ENGL 210, or ENGL 211. An ACT score of 27 to 30 places them in ENGL 102, and they are eligible to take the English department's Honors Placement Examination for possible admission to ENGL 105. An ACT score of 26 or lower places them in ENGL 101. If students are **not** accepted into the Honors Program, an ACT score of 34 or higher places them in ENGL 105; an ACT English test score of 31 to 33 places them in ENGL 102, and they are eligible to take the Honors Placement Examination. An ACT score of 30 or lower places them in ENGL 101.

Departmental Freshman Honors Placement Committee. This standing committee consists of a suitable number of members of the full-time staff. It designs and administers a writing sample examination for students who request reassignment from ENGL 102 to ENGL 105 and from ENGL 203 (or equivalent) to ENGL 205. The committee, at its discretion, also interviews and examines the records of applicants for placement in first-year honors courses. The placement examination normally is administered a few days before the start of the fall semester and at the end of the fall semester. Information and details on time and place are available in the freshman/sophomore English office, 3001 Wescoe Hall.

Eligibility Requirements for Majors in English

There are three eligibility requirements for admission to the English major:

1. A grade-point average of 2.5 or higher in the second and third English courses (ENGL 102 or ENGL 105 and a 200-level course).

2. An overall grade-point average of 2.0 or higher.

3. At least 30 hours of college credit completed.

Students with questions about these requirements should meet with the undergraduate director, who can also furnish information about appealing an initial refusal or making up aca-