

Core Courses (Alphabetized)

ACE 100 Agr Cons and Resource Econ: 4 hours. Principles of microeconomics; demand, production, supply, elasticity, markets, and trade are presented and used in the analysis of decisions of individuals relating to agricultural production, food and textile consumption, and natural resource use. Macroeconomic concepts are also introduced. Students receiving credit for [ECON 102](#) may not receive credit for [ACE 100](#). Students must register for one discussion and one lecture section. *This course satisfies the General Education Criteria in Fall 2012 for a UIUC Social Sciences course*

ACES 101 Contemporary Issues in ACES: 2 hours. Study of contemporary issues in the human, food and natural resource systems, and an overview of the role of the College of Agricultural, Consumer and Environmental Sciences and the University of Illinois in these systems. Required of and limited to freshmen enrolled in the College of ACES.

BADM 310 Mgmt and Organizational Beh: 3 hours. General analysis of management and organizational behavior from a systems point of view, including classical organizational theory and management, organizational behavior, and management science; environmental forces; planning, organizing, and control processes; motivation, incentives, leadership, communication, and interpersonal relations; and discussion of production and decision-making and mathematical models. Prerequisite: Junior standing

BADM 311 Individual Behavior in Orgs: 3 hours. Understanding the behavior of employees in work organizations; particular attention to the motivation of individuals to join and perform in organizations and to employee satisfaction with elements of the work environment; and emphasis on various management strategies to modify employee motivation and satisfaction. Prerequisite: [BADM 310](#).

BADM 313 Human Resource Management: 3 hours. Studies concepts and methods used by the staff personnel unit in building and maintaining an effective work force in an industrial organization; development of ability to design the personnel subsystem within the firm and to deal effectively with problems encountered in such areas as recruitment, selection, training, and wage and salary administration; and considerable emphasis on case

analysis, role playing, and research. Credit is not given for both [BADM 313](#) and [PSYC 245](#). Prerequisite: [BADM 310](#).

BIOC 455 Technqs Biochem & Biotech: 4 hours. Introduction to modern methods of experimentation with biochemical experimentation. Lectures and labs on the theory and practices underlying various methods and instrumentation. Includes protein purification and quantitative analyses, immunoassays, enzymology, peptide sequencing, lipid analysis, in vitro translation, carbohydrate analysis, and bioinformatics. Prerequisite: [CHEM 232](#) or [CHEM 236](#), or equivalent; credit in [MCB 251](#) or equivalent, and [BIOC 450](#) or [MCB 354](#) or equivalent, or consent of instructor. Students must register for one lab and one lecture section.

CHEM 102 General Chemistry I credit: 3 hours. For students who have some prior knowledge of chemistry. Principles governing atomic structure, bonding, states of matter, stoichiometry, and chemical equilibrium. Credit is not given for both CHEM 102 and CHEM 202. Prerequisite: Credit in or exemption from MATH 012; one year of high school chemistry or equivalent. All students enrolled in CHEM 102 should also enroll in CHEM 103. Students must register for a combination of one lecture and one quiz section beginning with the same letter. CHEM 102 and CHEM 103 are approved for General Education credit only as a sequence. Both courses must be completed to receive Natural Science and Technology credit. *This course satisfies the General Education Criteria for a: UIUC: Physical Sciences*

CHEM 103 General Chemistry Lab I credit: 1 hours. Laboratory studies to accompany CHEM 102. Prerequisite: Credit or concurrent registration in CHEM 102 is required. CHEM 103 is the laboratory course that accompanies CHEM 102. Students may not receive credit for both CHEM 103 and CHEM 203. CHEM 102 and CHEM 103 are approved for General Education credit only as a sequence. Both courses must be completed to receive Natural Science and Technology credit. *This course satisfies the General Education Criteria for a: UIUC: Physical Sciences*

CHEM 104 General Chemistry II credit: 3 hours. Lecture and discussions. Chemistry of materials, including organic and biological substances, chemical energetics and equilibrium, chemical kinetics, and electrochemistry. Credit is not given for both CHEM 104 and CHEM 204. Prerequisite: CHEM 102 or CHEM 202 or advanced placement

credit for one semester of college-level chemistry. All students enrolled in CHEM 104 should also enroll in CHEM 105. Students must register for a combination of one lecture and one quiz section beginning with the same letter. CHEM 104 and CHEM 105 are approved for General Education credit only as a sequence. Both courses must be completed to receive Natural Science and Technology credit. *This course satisfies the General Education Criteria for a: UIUC: Physical Sciences*

CHEM 105 General Chemistry Lab II credit: 1 hours. Laboratory studies to accompany CHEM 104. Prerequisite: CHEM 102 and CHEM 103; credit or concurrent registration in CHEM 104 is required. CHEM 105 is the laboratory course that accompanies CHEM 104. Students may not receive credit for both CHEM 105 and CHEM 205. CHEM 104 and CHEM 105 are approved for General Education credit only as a sequence. Both courses must be completed to receive Natural Science and Technology credit. *This course satisfies the General Education Criteria for a: UIUC: Physical Sciences*

CHEM 232 Elementary Organic Chemistry I credit: 0 TO 4 hours. Presents structural and mechanistic chemistry with emphasis on applications of this material to closely related areas. For students in agricultural, nutritional and biological sciences, as well as premedical, pre dental, and preveterinary programs. One-term survey course; may be followed by CHEM 332. 3 hours of credit is an option for those not registered in a discussion-recitation section. 4 hours of credit requires registration in a discussion-recitation section and an online section. Credit is not given for both CHEM 232 and CHEM 236. Prerequisite: CHEM 104 and CHEM 105, or CHEM 204.

CHEM 233 Elementary Organic Chem Lab I credit: 2 hours. Basic laboratory techniques in organic chemistry are presented with emphasis on the separation, isolation, and purification of organic compounds. For students in agricultural science, dairy technology, food technology, nutrition, dietetics, premedical, pre dental, and preveterinary programs. Credit is not given for both CHEM 233 and CHEM 237. Prerequisite: Credit or concurrent registration in CHEM 232. Students must register for one lab and one lecture section.

CHLH 210 Community Health Organizations: 2 hours. Overview of institutions and agencies which provide health information, education, services, and care. Includes historical foundations, constituencies,

organizational goals and structure, funding and expenditures, modes of service delivery, political and ethical issues.

CHLH 250 Health Care Systems: 3 hours. Overview of the major issues confronting health care systems from a macro perspective. Identification and analysis of the functions, major participants and trends in health care systems in the United States and abroad. Attention on current and emerging issues having implications for health care systems in industrialized nations.

CHLH 304 Foundations of Health Behavior: 4 hours. Examination of the application of the social and behavioral sciences to health and health behavior. Psychological, social psychological, and sociological approaches to health behavior are analyzed. Topics covered include development of health attitudes and behaviors, perceptions of health and illness, methods of changing health behavior and patient-provider interaction. Prerequisite: [CHLH 100](#), or consent of instructor; completion of the campus Composition I requirement. Students must register for one discussion and one lecture section. *This course satisfies the General Education Criteria in Spring 2012 for a UIUC: Behavioral Sciences course, and UIUC: Advanced Composition course*

CMN 101 Public Speaking: 3 hours. Preparation and presentation of short informative and persuasive speeches; emphasis on the selection and organization of material, methods of securing interest and attention, and the elements of delivery. Credit is not given for both [CMN 101](#) and either [CMN 111](#) or [CMN 112](#).

CMN 111 Oral & Written Comm I: 3 hours. Principles and practice in communication; stress on fundamentals of critical thinking in writing and speaking. The campus rhetoric requirement is fulfilled by this course in conjunction with [CMN 112](#). Credit is not given for both [CMN 111](#) + [CMN 112](#), and other courses that fulfill the Composition I requirement (i.e., [RHET 100](#), [RHET 101](#)+[RHET 102](#), [RHET 103](#)+[RHET 104](#), [RHET 105](#), [ESL 114](#)+[ESL 115](#)). Credit is also not given for both [CMN 111](#)+[CMN 112](#), and [CMN 101](#). [CMN 111](#)+[CMN 112](#) cannot be taken by students who have completed the University's Composition I requirement. All sections are restricted to Undergraduate students. *This course satisfies the General Education Criteria in Fall 2012 for a UIUC: Freshman Composition I course*

CMN 112 Oral & Written Comm II: 3 hours. Continuation of Oral & Written Comm I; stress on deliberation and fundamentals of communication and public argument through speaking and writing. The campus rhetoric requirement is fulfilled by this course in conjunction with [CMN 111](#). Credit is not given for both [CMN 111](#)+[CMN 112](#) and other courses that fulfill the Composition I requirement (i.e., [RHET 100](#); [RHET 101](#)+ [RHET 102](#); [RHET 103](#)+[RHET 104](#); [RHET 105](#); [ESL 114](#)+[ESL 115](#)). Credit is also not given for both [CMN 111](#)+[CMN 112](#) and [CMN 101](#). [CMN 111](#)+[CMN 112](#) may not be taken by students who have completed the University's Composition I requirement. Prerequisite: [CMN 111](#). *This course satisfies the General Education Criteria in Fall 2012 for a UIUC: Freshman Composition I course*

ECON 102 Microeconomic Principles: 3 hours. Introduction to the functions of individual decision-makers, both consumers and producers, within the larger economic system. Primary emphasis on the nature and functions of product markets, the theory of the firm under varying conditions of competition and monopoly, and the role of government in prompting efficiency in the economy. Students receiving credit for [ACE 100](#) may not receive credit for [ECON 102](#). Students must register for one quiz and one lecture section. *This course satisfies the General Education Criteria in Fall 2012 for a UIUC Social Sciences course*

ECON 103 Macroeconomic Principles: 3 hours. Introduction to the theory of determination of total or aggregate income, employment, output, price levels, and the role of money in the economy. Primary emphasis on monetary and fiscal policy, inflation, unemployment, economic growth, and international economics. Students with credit in [ECON 101](#) may receive 1 hour of credit in [ECON 103](#). You may take [ECON 103](#) before [ECON 102](#). There is no prerequisite. Students must register for one quiz and one lecture section. *This course satisfies the General Education Criteria in Fall 2012 for a UIUC Social Sciences course*

ECON 202 Economic Statistics I: 3 hours. Introduction of basic concepts in statistics including the presentation of data, descriptive statistics, probability theory, discrete and continuous distributions, sampling distributions, estimation, and hypothesis testing. The approach of the class includes both learning the concepts behind basic statistics and also how to apply these concepts in "real-life" situations. Utilizes a practical project format. To

complete the Business Statistics sequence, students must also complete [ECON 203](#). Credit is not given for [ECON 202](#) if credit for a college-level introductory statistics course such as [PSYC 235](#), [SOC 280](#), or [STAT 100](#) has been earned. Prerequisite: Credit or registration in one of [MATH 220](#), [MATH 221](#), [MATH 234](#). Instructions will be given during the first lecture as to where you should meet for your TA section. Evening examinations may be offered in this course. Students must register for one lab and one lecture section. *This course satisfies the General Education Criteria in Spring 2012 for a UIUC: Quant Reasoning I course*

EPSY 480 Educational Statistics: 4 hours. Designed for terminal value for professional training of students not intending to pursue advanced graduate work, and for introductory value for students continuing graduate study in education; descriptive statistics, introduction to correlation and regression, the normal curve, statistical inference, and the presentation and interpretation of statistical data in educational literature.

FSHN 101 Intro Food Science & Nutrition credit: 3 hours. Discusses the evolution of the food system to meet the needs and desires of a complex, heterogeneous society. Provides an overview of food in relation to nutrition and health, composition and chemistry, microbiology, safety, processing, preservation, laws and regulations, quality, and the consumer. This course satisfies the General Education Criteria for a: UIUC: Physical Sciences

FSHN 131 Introductory Food Laboratory credit: 3 hours. Application of food preparation principles and techniques in the preparation of standard food products; principles of food management and their application in the planning and preparation of meals. Prerequisite: FSHN 101 or concurrent registration. There may be a fee for Class Materials for some sections of this course.

FSHN 150 Introduction to Dietetics credit: 1 hours. Introductory course for students in dietetics. Addresses current issues, opportunities and careers in the dietetics profession. Freshmen or transfer student into dietetics given priority.

FSHN 220 Principles of Nutrition credit: 4 hours. Course focuses on the nutritive value of foods and metabolism of essential nutrients, as well as the application of principles of nutrition to the requirements of normal individuals throughout the

life cycle. Prerequisite: CHEM 102; MCB 244 and 246.

FSHN 302 Sensory Evaluation of Foods credit: 3 hours. This course is devoted to learning the 1) physiological and psychological basis of human subjects, 2) chemistry of aroma and taste, 3) basic sensory methodologies in food evaluation, and 4) analysis and interpretation of sensory data. Recommended to students in junior and senior levels. Recommended to have taken foundational statistics course, i.e., STAT 100, STAT 200 or FSHN 440. Lecture and lab instructional format. There may be a fee for Class Materials for some sections of this course.

FSHN 322 Nutrition and the Life Cycle credit: 3 hours. Examines physiological changes that occur during gestation, postnatal growth, and aging and the influence of these changes on nutritional requirements. Offered every other year. Prerequisite: FSHN 220 or consent of instructor.

FSHN 329 Communication in Nutrition credit: 3 hours. Application and integration of the principles of nutrition and their transmission to groups and individuals. Students will learn individual counseling techniques as well as how to present nutrition information to groups. Open to Dietetics and Human Nutrition juniors and seniors only. Prerequisite: FSHN 220 or equivalent.

FSHN 332 Science of Food Systems credit: 3 hours. (Or FSHN 414 in Fall) Application of chemical principles and physical behavior of ingredients in food systems and the effects processing and storage have on finished food products. Prerequisite: CHEM 102 and 103 or equivalent; CHEM 104 and 105 or equivalent; FSHN 131. There may be a fee for Class Materials for some sections of this course.

FSHN 340 Food Production and Service credit: 4 hours. Introduction to the management of commercial and noncommercial foodservice systems through the operation of Bevier Cafe. Students experience managing the procurement, production and service of food, as well as the sanitation and maintenance of equipment and facilities. Prerequisite: FSHN 332, credit or concurrent registration in FSHN 349 and FSHN 345.

FSHN 345 Hospitality Purchasing credit: 3 hours. Introduction to the principles and procedures for the purchasing, selection and procurement of food and

non-food items in the hospitality industry. Field Trips. Prerequisite: FSHN 131.

FSHN 349 Food Service Sanitation credit: 1 hours. Examines the dangers, costs and prevention of foodborne illness as well as the training and motivation of food service employees in sanitary food handling and quality assurance practices. Upon completion of this course, student will be eligible to apply for the food service sanitation certificate issued by the State of Illinois. Prerequisites: FSHN 101 and FSHN 131, or consent of instructor; MCB 100 and MCB 101 recommended. Course should be taken concurrently with FSHN 340. Restricted to students in the Food Science & Human Nutrition department. Self-paced.

FSHN 420 Nutritional Aspects of Disease credit: 3 hours. Examines nutritional, biochemical, and physiological aspects of disease processes and studies the role of nutrition in prevention, management, and treatment of disease. Same as NUTR 420. Prerequisite: FSHN 220 or comparable course with a physiology prerequisite; MCB 450 or equivalent.

FSHN 421 Pediatric Clinical Nutrition credit: 3 hours. Examines physiological, biochemical and nutritional aspects of disease processes relevant to infants, children and adolescents. Topics covered include prematurity, developmental disabilities, inborn errors of metabolism, food allergy, obesity and eating disorders. The role of nutrition in prevention, management and treatment of disease is also covered. Prerequisite: FSHN 420; FSHN 322 is highly recommended.

FSHN 426 Biochemical Nutrition I credit: 3 hours. The dietary and hormonal regulation of carbohydrate, lipid and amino acid metabolism. Emphasizes the regulation of enzyme activity and the different roles the major organs have in whole animal energy balance. Same as NUTR 426. Prerequisite: FSHN 220, or FSHN 120 and FSHN 414, and MCB 450 or concurrent enrollment.

FSHN 427 Biochemical Nutrition II credit: 3 hours. Biochemistry and metabolism of the water and fat soluble vitamins, and the biochemical role of minerals in animal biology. Emphasizes the digestion, transport, metabolism and intercellular function of these nutrients and how nutrient/food intake and physiological state affect these processes. Same as NUTR 427. Prerequisite: FSHN 426.

FSHN 428 Community Nutrition credit: 3 hours. Application of nutrition principles to needs assessments, program planning, delivery and evaluation in local, national, and international settings using behavioral theory frameworks. Offered every other year. Same as NUTR 428. Prerequisite: FSHN 220 or equivalent, one introductory statistics course, and one course in the social or behavioral sciences

FSHN 429 Nutrition Assessment & Therapy credit: 3 hours. Problem-based learning application (via cases) of the nutrition care process with emphasis on nutrition assessment, diagnosis, intervention, monitoring and evaluation, as related to the management and treatment of disease states. This course is the clinical capstone course for the dietetics curriculum. Prerequisite: FSHN 420, or concurrent enrollment required.

FSHN 442 HM Skills and Applications credit: 3 hours. Application of behavioral science and management techniques, methods and strategies to the hospitality industry. Applied management techniques will focus on those managerial behaviors needed to develop and maintain positive and productive relationships with subordinates, peers, supervisors and individuals external to the hospitality organization. 3 undergraduate hours. Prerequisite: FSHN 340 or consent of instructor.

FSHN 450 Dietetics: Professional Issues credit: 1 hours. Discussion of current topics in dietetics, professional issues (ethics, outcomes research, marketing, legislation, registered dietitian exam) and preparing for dietetic internships. Required of all dietetics students. Prerequisite: Senior standing in dietetics.

FSHN 471 Food & Industrial Microbiology credit: 3 hours. Relationship of microorganisms to food manufacture and preservation, to industrial fermentation and processing, and to food-borne illness. Same as MCB 434. Prerequisite: MCB 101 or MCB 301 or equivalent; credit or concurrent registration in organic chemistry laboratory.

FSHN 480 Basic Toxicology credit: 3 hours. Emphasizes the physiology, biochemistry and pharmacokinetics of absorption, distribution, metabolism and excretion of toxic compounds, drugs, non-nutrient dietary supplements and other compounds foreign to the body. An introduction to the process of cancer, how foreign compounds can initiate, enhance or prevent the process is also

included. Same as CB 449, CPSC 433 and ENVS 480. Prerequisite: MCB 406 or MCB 450; or consent of instructor.

FSHN 499 Cur Topics in FS & Human Nutr credit: 1 TO 3 hours. Group discussion or an experimental course on a special topic in food science and human nutrition. May be repeated in the same or subsequent terms to a maximum of 12 hours as topics vary. There may be a fee for Class Materials for some sections of this course.

HDFS 105 Intro to Human Development: 3 hours. Systematic overview of the psychological, biological, familial, and cultural factors related to human growth and development across the life span. Students must register for one discussion and one lecture section in Fall and Spring semesters. *This course satisfies the General Education Criteria in Spring 2012 for a UIUC: Behavioral Sciences course*

KIN 352 Bioenergetics of Movement: 3 hours. Study of the nature of energy transfer during physical activity; mechanisms of metabolic control, force production, cardiorespiratory support and adaptation relative to physical activity. Prerequisite: [MCB 103](#). Additional Class Materials fee required.

MATH 100 Statistics: 3 hours. First course in probability and statistics at a precalculus level; emphasizes basic concepts, including descriptive statistics, elementary probability, estimation, and hypothesis testing in both nonparametric and normal models. Same as [MATH 161](#). Credit is not given for both [STAT 100](#) and any one of the following: [ECON 202](#), [PSYC 235](#), or [SOC 485](#). Prerequisite: [MATH 012](#). Students who have completed a year of Calculus should enroll in [STAT 400](#) instead of [STAT 100](#). *This course satisfies the General Education Criteria in Spring 2012 for a UIUC: Quant Reasoning I course*

MATH 234 Calculus for Business I: 4 hours. Introduction to the concept of functions and the basic ideas of the calculus. Credit is not given for both [MATH 234](#) and either [MATH 220](#) or [MATH 221](#). Prerequisite: [MATH 012](#) and an adequate ALEKS score. Students must register for one discussion and one lecture section. *This course satisfies the General Education Criteria in Spring 2012 for a UIUC: Quant Reasoning I course.*

MCB 100 Introductory Microbiology credit: 3 hours. Introduction to the principal activities and properties of microorganisms, including bacteria,

yeasts, molds, and viruses; consideration of the role of natural processes, such as photosynthesis; and man's use and control of microorganisms in the production of antibodies and vaccines in industrial fermentations, in sanitation and public health, and in agriculture. Credit is not given for both MCB 100 and MCB 300. Prerequisite: There are no prerequisites for MCB 100, but some chemistry is recommended. *This course satisfies the General Education Criteria for a: UIUC: Life Sciences*

MCB 101 Intro Microbiology Laboratory credit: 2 hours. Laboratory introduction to the techniques employed in the investigation of microbial activities and properties; experiments designed to familiarize the student with the handling, identification, and characterization of microorganisms and their activities, particularly those of interest to man. Credit is not given for both MCB 101 and MCB 301. Prerequisite: Credit or concurrent registration in MCB 100.

MCB 244 Human Anatomy & Physiology I credit: 3 hours. Organ system biology with an emphasis on normal human anatomy and physiology, physiological processes and associated disease processes of the following systems: skeletal, muscle, nervous, sensory, and endocrine. Credit is not given for both MCB 244 and any of MCB 103, MCB 240, MCB 315, MCB 334. Prerequisite: Credit or concurrent enrollment in CHEM 101, CHEM 102, or equivalent; or consent of instructor.

MCB 245 Human Anat & Physiol Lab I credit: 2 hours. Laboratory exploration of normal human anatomy and physiology and relevant disease processes for the following systems: tissue, skeletal, nervous, muscular, sensory, and endocrine. Previously dissected human cadavers are an important part of the learning experience in this course, but students will not dissect human cadavers. Neither animal dissection or animal use are elements of this course. Credit is not given for both MCB 245 and any of MCB 104, MCB 315, MCB 334. Prerequisite: Credit or concurrent enrollment in CHEM 101, CHEM 102, or equivalent; or consent of instructor.

MCB 246 Human Anatomy & Physiology II credit: 3 hours. Organ system biology with an emphasis on normal human anatomy and physiology, physiological processes and associated disease processes of the following systems: digestion, cardiovascular, respiratory, renal, and reproductive. Credit is not given for both MCB 246 and any of

MCB 103, MCB 240, MCB 315, MCB 334. Prerequisite: Credit or concurrent enrollment in CHEM 101, CHEM 102, or equivalent or consent of instructor.

MCB 247 Human Anat & Physiol Lab II credit: 2 hours. Laboratory exploration of normal human anatomy and physiology and relevant disease processes for the following systems: digestive, cardiovascular, respiratory, renal, and reproductive. Previously dissected human cadavers are an important part of the learning experience in this course, but students will not dissect human cadavers. Neither animal dissection or animal use are elements of this course. Credit is not given for both MCB 247 and any of MCB 104, MCB 315, MCB 334. Prerequisite: Credit or concurrent enrollment in CHEM 101, CHEM 102, or equivalent; or consent of instructor.

MCB 450 Introductory Biochemistry credit: 3 hours. Chemistry and metabolism of carbohydrates, lipids, proteins, nucleic acids, vitamins, and coenzymes and their relation to the regulation and processes of organisms, cells, and subcellular components. Students who enter the University Fall 2011 or later are responsible for additional course-based tuition of \$300 unless they are already paying differential tuition during the term of course enrollment. Not intended for students in the MCB or biochemistry curricula. Credit is not given for both MCB 450 and MCB 354. Prerequisite: CHEM 232 or CHEM 236, or equivalent, or consent of instructor.

PSYC 100 Intro Psych: 4 hours. Study of human behavior with special reference to perception, learning, memory, thinking, emotional life, and individual differences in intelligence, aptitude, and personality; emphasis on the scientific nature of psychological investigations; and discussion of research methods and the relation of their results to daily life and everyday problems. Lectures, discussions, and six hours of participation as a subject in psychological experiments. Credit is not given for both [PSYC 100](#) and either [PSYC 103](#) or [PSYC 105](#). *This course satisfies the General Education Criteria in Spring 2012 for a UIUC: Behavioral Sciences course*

PSYC 235 Intro to Statistics: 3 hours. Development of skill and understanding in the application of statistical methods to problems in psychological research; topics include descriptive statistics, probability theory and distributions, point and interval estimation, and hypothesis testing.

Credit is not given for both [PSYC 235](#) and any of [STAT 100](#), [ECON 202](#), [EPSY 480](#), [PSYC 301](#), [SOC 485](#). Prerequisite: [PSYC 100](#) or [PSYC 103](#); college algebra or equivalent; or consent of academic advisor. Students must register for one lab and one lecture section. *This course satisfies the General Education Criteria in **Spring 2012** for a UIUC: Quant Reasoning I course*

PSYC 245 Industrial Org Psych: 3 hours. Systematic study of the application of psychological methods and principles in business and industry; emphasis on personnel selection and factors influencing efficiency. Prerequisite: [PSYC 100](#) or [PSYC 103](#); credit or concurrent registration in a statistics course.

RHET 105 Principles of Composition: 4 hours. Study of the methods of exposition, the problems of argument, the use of evidence, and style; practice in expository writing. This course fulfills the Campus Composition I general education requirement. Credit is not given for both [RHET 105](#) and any of these other Comp I courses: [RHET 101](#), [RHET 102](#), [RHET 103](#), [RHET 104](#), [CMN 111](#) or [CMN 112](#). Students whose second language is English should take an English placement test through the Division of English as an International Language, before signing up for rhetoric. Transfer students who have taken composition from another institution, but have not fully satisfied the U of I Comp I requirement can take the transfer writing test for proficiency credit. Engineering students must obtain a dean's approval to drop this course after the second week of instruction. *This course satisfies the General Education Criteria in **Fall 2012** for a UIUC: Freshman Composition I course*

SOC 280 Intro to Social Statistics: 4 hours. First course in social statistics for students without mathematics beyond the high school level; topics include the role of statistics in social science inquiry, measures of central tendency and dispersion, simple correlation techniques, contingency analysis, and introduction to statistical inference; includes the

statistical analysis of social science data using personal computers. Same as [GEOG 280](#). Credit is not given for [SOC 280](#) if credit for a college level introductory statistics course has been earned. Priority will be given to Sociology and Geography majors. This course satisfies the General Education Criteria in **Spring 2012** for a UIUC: Quant Reasoning I course

SOC 485 Intermediate Social Statistics: 3 OR 4 hours. Intermediate course in the theory and application of statistical methods to social science data. Coverage includes overviews of measurement issues, the logic of hypothesis testing and estimation, the general linear model, one-way analysis of variance, correlation and regression. The core of the course is multiple regression analysis and its extensions. Topics include dummy variable analysis, statistical interaction, model assumptions and violations, non-linear and logistic regression, and an introduction to path analysis. Emphasis on the application of statistical computing packages (e. g. SPSS) and the substantive interpretation of results. 3 undergraduate hours. 4 graduate hours. Credit is not given for both [SOC 485](#) and another course with a primary focus on applied multiple regression analysis such as [ECON 203](#), [STAT 420](#), or [PSYC 406](#). Graduate students must incorporate research literature involving statistical analysis from their discipline into their assignments and class discussions. Prerequisite: [SOC 280](#) or equivalent.

STAT 100 Statistics: 3 hours. First course in probability and statistics at a precalculus level; emphasizes basic concepts, including descriptive statistics, elementary probability, estimation, and hypothesis testing in both nonparametric and normal models. Same as [MATH 161](#). Credit is not given for both [STAT 100](#) and any one of the following: [ECON 202](#), [PSYC 235](#), or [SOC 485](#). Prerequisite: [MATH 012](#). Students who have completed a year of Calculus should enroll in [STAT 400](#) instead of [STAT 100](#). *This course satisfies the General Education Criteria in **Spring 2012** for a UIUC: Quant Reasoning I course*