

SOCIAL STUDIES

Millersville University's Secondary Education program produces passionate 7th to 12th grade teachers who are equipped to share their knowledge of their content area.

The BSE in Social Studies can be advised out of the History, Government, Economics or Geography departments.

the programs

- Social Studies, B.S.Ed. (<https://catalog.millersville.edu/undergraduate/college-arts-humanities-social-sciences/social-studies/social-studies-bsed/>)

the faculty

Criminology, Sociology and Anthropology

Arnold, Marlene; Professor

College of Arts, Humanities and Social Sciences

B.A., Macalester College, 1974; Ph.D., University of Pennsylvania, 1985

Garcia, Justin; Associate Professor

College of Arts, Humanities and Social Sciences

B.A., Millersville University, 2001; M.A., Temple University, 2008; Ph.D., Ibid., 2011

Jerstad, Stephanie; Assistant Professor

College of Arts, Humanities and Social Sciences

A.A.S., Harrison College, 2012; B.S., Ibid., 2014; M.S., University of Cincinnati, 2016; Ph.D., Southern Illinois University Carbondale, 2021

Mahaffy, Kimberly; Professor

College of Arts, Humanities and Social Sciences

B.S., Gordon College, 1987; M.S., Northeastern University, 1993; M.A., University of New Hampshire, 1995

Orr, Ryan; Associate Professor

College of Arts, Humanities and Social Sciences

B.G.S., University of Kansas, 2001; M.A., DePaul University, 2004; Ph.D., Iowa State University, 2009

Porter, Aaron; Assistant Professor

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B.A., Bloomsburg University, 1985; M.A., University of Pennsylvania, 1987; Ph.D., Ibid., 1993

Schmitt, Frederika; Associate Professor

College of Arts, Humanities and Social Sciences

B.A., Bucknell University, 1990; M.A., University of Delaware, 1994; Ph.D., Ibid., 1998

Smith, Carrie; Associate Professor

College of Arts, Humanities and Social Sciences

B.S., University of California, 1996; M.A., Vanderbilt University, 1998; Ph.D., Ibid., 2004

Trussell, Timothy; Associate Professor

College of Arts, Humanities and Social Sciences

B.S., Oregon State University, 1991; M.S., Ibid., 1997; Ph.D., Texas A&M University, 2004

Economics

Baker, Ronald; Associate Professor

College of Arts, Humanities and Social Sciences

B.S., St. Vincent College, 1981; M.A., Indiana University, 2000; Ph.D., Ibid., 2005

Gumpper, Michael; Professor

College of Arts, Humanities and Social Sciences

B.A., SUNY at Geneseo, 1987; M.A., University of Kentucky, 1993; Ph.D., Ibid., 1998

Madden, Kirsten; Associate Professor

College of Arts, Humanities and Social Sciences

B.A. University of Alabama at Tuscaloosa, 1986; Ph.D., University of North Carolina- Chapel Hill, 1995

McPherson, Sandra; Associate Professor

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B.A., Bemidji State University, 1991; M.A., Indiana University, 1993; Ph.D., Ibid., 1998

Smith, Kenneth; Associate Professor

College of Arts, Humanities and Social Sciences

B.S., University of Minnesota, 1986; M.S., University of Wisconsin-Madison, 1989; Ph.D., Ibid., 1993

Suliman, Osman; Professor

College of Arts, Humanities and Social Sciences

B.S., University of Khartoum (Sudan), 1977; M.A., Indiana University, 1979; Ph.D., Ibid., 1984

Geography

Cuthbert, Angela; Professor

College of Science and Technology

B.E.S., University of Waterloo (Canada), 1995; M.E.S., Ibid., 1996; Ph.D., McMaster University (Canada), 2001

Frost, Ethan; Assistant Professor

College of Science and Technology

B.A., Clark University, 2002; M.S., University of Delaware, 2006; Ph.D., Ibid., 2011

Geiger, Charles; Associate Professor

College of Science and Technology

B.S., Edinboro University, 1976; M.A., Kent State University, 1978; Ph.D., University of Toronto (Ontario), 1984

Kelly, Jessica; Associate Professor

College of Science and Technology

B.A., Boston University, 2003; M.A., Ibid., 2003; Ph.D., Rutgers University, 2009

Schreiber, Kathleen; Professor

College of Science and Technology

B.A., University of Delaware, 1983; M.S., Ibid., 1990; Ph.D., Ibid., 1996

Government, Policy, and Law

Bagchi, Nivedita; Professor

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B.A., Converse College, 2001; M.A., University of Virginia, 2003; Ph.D., Ibid., 2009

Bookmiller, Robert; Professor

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B.A., Indiana University of Pennsylvania, 1985; M.A., University of Virginia, 1989; Ph.D., Ibid., 1992

Bookmiller, Kirsten; Professor

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B.A., The Pennsylvania State University, 1986; M.A., University of Virginia, 1988; Ph.D., Ibid., 1992

Glenn, Richard; Professor
College of Arts, Humanities and Social Sciences
B.A., Carson-Newman College, 1990; M.A., University of Tennessee, 1991; Ph.D., Ibid., 1995

Lawrence, Adam; Associate Professor
College of Arts, Humanities and Social Sciences
B.A., Virginia Polytechnic Institute and State University, 1995; M.A., University of Akron, 1997; Ph.D., University of Pittsburgh, 2004

Owen, David; Associate Professor
College of Arts, Humanities and Social Sciences
B.S., University of Maryland, 1997; M.S., Troy University, 1998; M.S., Ibid., 2005; Ph.D., Southern Illinois University, 2011

History

Davis, Robyn; Associate Professor
College of Arts, Humanities and Social Sciences
B.A., Columbia University, 1993; M.A., University of Oklahoma, 2001; Ph.D., Ibid., 2009

Frankum, Ronald; Professor
College of Arts, Humanities and Social Sciences
B.A., Syracuse University, 1988, M.A., University of Kentucky, 1991; Ph.D., Syracuse University, 1997

Kevorkian, Tanya; Associate Professor
College of Arts, Humanities and Social Sciences
B.A., Mount Holyoke College, 1987; M.A., Johns Hopkins University, 1993; Ph.D., Ibid., 1997

Khiterer, Victoria; Professor
College of Arts, Humanities and Social Sciences
B.S., Kiev State Pedagogical Institute (Ukraine), 1992; M.A., Russian State University for Humanities, 1996; Ph.D., Ibid., 1996; Brandeis University, 2008

Maxwell, Clarence; Assistant Professor
College of Arts, Humanities and Social Sciences
B.A., St. Leo University (United Kingdom), 1985; B. A., University of Keele (United Kingdom), 1990; M.A., University of Hull (United Kingdom), 1995; Ph.D., University of Warwick (United Kingdom), 1999

Onek, Curthberth; Associate Professor
College of Arts, Humanities and Social Sciences
B.A., Makerere University (Uganda), 1985/ M.A., University of Toronto (Canada), 1991; M.S., York University (Toronto), 1997; M.A., The Royal Military College of Canada, 2005; Ph.D., University of Connecticut, 2009

Shelor, Erin; Associate Professor
College of Arts, Humanities and Social Sciences
B.A., Furman University, 1992; M.A., East Tennessee State University, 1996; Ph.D., University of Kentucky, 2003

Sommar, Mary; Assistant Professor
College of Arts, Humanities and Social Sciences
B.A., Temple University, 1975; M.Div., Yale University, 1990; Ph.D., Syracuse University, 1998

Psychology

Baker, Jason; Associate Professor

College of Education and Human Services
B.S., Juniata College, 1999; M.Ed., The Pennsylvania State University, 2002; Ph.D., Regent University, 2008

Banna, Kelly; Associate Professor
College of Education and Human Services
B.S., James Madison University, 1999; M.S., Auburn University, 2005; Ph.D., Ibid., 2007

Behun, Richard Joseph; Associate Professor
College of Education and Human Services
B.A., California University of Pennsylvania, 2005; M.S., The University of Pittsburgh School of Law, 2007; M.S.Ed., Duquesne University (School Counseling), 2008; M.S.Ed., Ibid. (School Administration), 2013; Ph.D., Ibid., 2013

Bland, Andrew; Associate Professor
College of Education and Human Services
B.S., University of Georgia, 2000; M.A., University of West Georgia, 2003; Ph.D., Indiana State University, 2013

Cook, Shaun; Associate Professor
College of Education and Human Services
B.S., Bridgewater State College, 1996; M.A., Brandeis University, 1999; Ph.D., University of Arizona, 2006

Gallagher, Shawn; Professor
College of Education and Human Services
B.S., The Pennsylvania State University, 1990; M.A., University of Delaware, 1999; Ph.D., Ibid., 2002

Garner, Nadine; Associate Professor
College of Education and Human Services
B.M., Westminster Choir College, 1991; M.S., Shippensburg University, 1992; M.Ed., Ibid., 1994; Ed.D., Duquesne University, 2000

Grady, Jessica; Associate Professor
College of Education and Human Services
B.S., Lebanon Valley College, 2006; M.S., West Virginia University, 2008; Ph.D., Ibid., 2011

Kaiser, Lauren; Associate Professor
College of Education and Human Services
B.S., University of Maryland, 1997; M.A., Ibid., 2003 and 2004; Ph.D., Ibid., 2007

MacIntyre, Rachel; Assistant Professor
College of Education and Human Services
B.S., Bucknell University, 2013; M.S., Old Dominion University, 2017; Ph.D., Ibid., Eastern Virginia Medical School, and Norfolk State University, 2021

Rush, Karena; Professor
College of Education and Human Services
A.B., Bryn Mawr College, 1991; Ed. M., Harvard University, 1994; M.A., Louisiana State University, 1997; Ph.D., Ibid., 2000

Thyrum, Elizabeth; Associate Professor
College of Education and Human Services
B.A., Millersville University, 1986; M.S., Rutgers University, 1989; Ph.D., Ibid., 1992

Vredenburg, Debra; Associate Professor
College of Education and Human Services

B.A., Slippery Rock University, 1990; M.A., Ibid., 1992; Ph.D., Ohio University, 1998

the courses

ANTH 121: 3 s.h.

Cultural Anthropology (G3)

Introduces basic concepts and topics: culture, fieldwork, communication, sex roles, social organization, politics, economics, belief systems, culture change and applied anthropology.

ANTH 121H: 3 s.h.

Hnrs:Cultural Anthropology (G3)

ANTH 122: 3 s.h.

Physical Anthropology (G3)

The anthropological study of human evolution: paleoanthropology, primatology and human population genetics, and the study of human variation— the ways humans adapt biologically to their environments. Offered annually.

ANTH 123: 3 s.h.

Introduction To Archaeology (G3)

Introduces methods and theory of contemporary archaeology using examples from Old and New World prehistory. The relationship of archaeology to anthropology is emphasized. Offered annually.

ANTH 179: 1-3 s.h.

Experimental

Experimental

ANTH 220: 3 s.h.

Ethnographic Methods (W)

Introduces ethnographic research methods through individual or group fieldwork, emphasizing the ethnographic interview and participant observation. Prereq: ENGL 110 or permission of instructor.

ANTH 222: 3 s.h.

American Indian (G3, W)

Examination of past and present cultures of the native peoples of North America. Offered periodically. Prereq: ENGL 110.

ANTH 223: 3 s.h.

People and Cultures Of Mediter (G3)

Comparison and contrast of the history and culture of rural and urban society in the Mediterranean region. Focus is on topics and themes of importance to the circum-Mediterranean culture area. Offered periodically.

ANTH 226: 3,6 s.h.

Compar Societs: (G3, W)

Comparative investigations of a topic or region of current interest in the field of anthropology. Offered annually. Prereq: ENGL 110.

ANTH 227: 3 s.h.

Culture Through Film (G3, W)

Comparative study of cultures through the medium of film using anthropological theories, perspectives and texts. Offered annually. Prereq: ENGL 110.

ANTH 227H: 3 s.h.

Culture Through Film (G3, W)

Comparative study of cultures through the medium of film using anthropological theories, perspectives and texts. Offered annually. Prereq: ENGL 110.

ANTH 233: 3 s.h.

Topics In Archaeology (G3)

Examines human cultural evolution before and after the advent of writing, using archaeological and related records. Topics vary from the rise of civilization to the decline of local communities. Offered annually.

ANTH 233H: 3 s.h.

Hon: Topics in Archaeology (G3)

ANTH 235: 3 s.h.

Historical Archaeology (G3)

A comparative study of methods and aims in the discipline of historical archaeology (the excavation of sites dating post-1500), including excavation and analysis techniques, approaches to archaeological research, and case studies of specific excavations.

ANTH 279: 3 s.h.

Experimental

Experimental

ANTH 300: 3-12 s.h.

Co-Op Ed Experience in Anthro

Co-Op Ed Experience in Anthro

ANTH 320: 3 s.h.

Archaeological Method and Theory

Focus on current developments in archaeological method and theory, with specific emphasis on contract archaeology, survey methods, artifact analysis and contemporary theoretical approaches. Offered annually. Prereq: ANTH 123 plus 3 additional hours of anthropology or permission of instructor.

ANTH 320H: 3 s.h.

Hon: Arch Method and Theory

ANTH 325: 3 s.h.

Medical Anthropology

Cross-cultural study of health and healing, including comparative medical systems, theories of disease, patients/healers in the context of culture, mental health, bioethics, interaction of culture, biology and environment, and the effects of cultural change. Offered periodically.

ANTH 326: 3 s.h.

Anthropology of Religion (G3)

A cross-cultural examination of religious diversity. Primary emphasis will be placed on the five major world religions, although other religious traditions may also be considered. The course examines religion as a form of cultural practice, how people utilize religion to orient themselves to the social worlds in which they live, and the ways in which religion shapes peoples' lives. Pre-req: C- or higher in ANTH 121, restricted to Juniors and Seniors, Majors and Minors in the Sociology/Anthropology department, or instructor permission.

ANTH 327: 3 s.h.

Urban Anthropology (G3)

This course focuses on urbanism (the social and cultural dynamics of humans living within a large, dense city environment). Various topics to be examined in this course include the rise of urbanism, globalization, the dynamic nature of ethnic and class relations within urban communities, social and political activism among urban populations, migration, and settlement. 3 credits. Pre-requisite: ANTH 121

ANTH 336: 3 s.h.**Language & Communication (G3)**

A Comparative Course that examines language as humans' primary means of communication. Although virtually all animals communicate in some form, language is considered distinctly human as a result of cognitive, cultural, and physiologically distinct features of our species. The course examines language as both a system and performance. The systematic approach towards language study examines the structural components of language: phonemes, morphemes, syntax, grammar, etc., while a performance approach towards language study examines the art and style of communication (regional accents and dialects, slang, etc.). Anthropologists widely consider language to be the single most important aspect of human culture, as language is the means by which culture is transmitted to others. Other key topics to be examined in the course include language and identity, bilingualism, the critical age of language development, language shift vs. language maintenance, the development of pidgins and Creole languages (with a particular focus on Black English Vernacular, Spang/ish, and the Ca/6 dialect of the Southwestern United States), the prescriptive vs. descriptive debate within linguistics, linguistic profile, language prejudice, and the rise of linguistic nationalism (as seen in cases such as the situation in Quebec among Franco-Canadian nationalists and the "English as the Official Language" debate in the United States. Pre-req: ANTH 121 and Junior class standing.

ANTH 344: 3 s.h.**Gender, Race, and Class (P)**

The intersecting role of gender, race and class on human social life in the U.S. and other cultures. An interdisciplinary and comparative examination of the ways social categories define, limit and liberate human potential. Offered annually. Prereq: COMM 100, ENGL 110, junior status and at least two social science courses.

ANTH 344H: 3 s.h.**Hnrs:Gender, Race, and Class (P)**

Hnrs:Gender, Race, and Class

ANTH 379: 3 s.h.**Experimental**

Experimental

ANTH 400: 3-12 s.h.**Co-Op Ed Experience in Anthro**

Co-Op Ed Experience in Anthro

ANTH 422: 3 s.h.**History of Anthropological Theory**

Examines, in a developmental fashion, the attempts made by anthropologists to explain human similarities and differences, and the dynamics of culture change. Offered annually. Prereq: junior/senior status and a minimum of 9 s.h. in anthropology.

ANTH 425: 1-6 s.h.**Field Study**

Individual or group research in any of the subdisciplines of anthropology, including archaeological field school and ethnographic field projects. Offered periodically. Prereq: permission of instructor.

ANTH 458: 3-6 s.h.**Seminar In Anthropology**

Research and group discussions for advanced students on various topics of interest. A total of 6 s.h. may be taken. Offered in alternate years. Prereq: permission of instructor.

ANTH 479: 3 s.h.**Experimental**

Experimental

ANTH 489: 1-4 s.h.**Honors Course**

Two to four semesters of supervised research by highly motivated students capable of conducting independent research projects. Prereq: 3.0 GPA and recommendation by faculty mentor. For further information, see the Special Academic Opportunities section.

ANTH 498: 1-6 s.h.**Independent Study**

For further information, see the Special Academic Opportunities section.

ANTH 499: 1-4 s.h.**Departmental Honors**

Two to four semesters of supervised research by highly motivated students capable of conducting independent research projects. Prereq: 3.0 GPA and recommendation by faculty mentor. For further information, see the Special Academic Opportunities section.

ANTH 500: 3-12 s.h.**Co-Op Ed Experience in Anthro**

Co-Op Ed Experience in Anthro

ECON 100: 3 s.h.**Introductory Economics (G3)**

Introduction to economics as a social science for nonmajors or students interested in taking ECON 101 or 102 who would like a preparatory course. Introduction to fundamental economic concepts, economic policy and global markets. Class activities and simulations complement an emphasis on current events. No credit towards an economics major or minor or BSE social studies major. Offered periodically.

ECON 101: 3 s.h.**Principles of Macroeconomics (G3)**

Introduction to macroeconomic analysis concentrating on national income, price levels, employment, monetary policy and fiscal policy with introductory analysis of the global economy. To be successful, it is recommended that students be proficient in algebra (the equivalent of successfully completing MATH 101 or MPT equivalent); however MATH 101 is not a pre-requisite. Offered in fall, spring.

ECON 101H: 3 s.h.**Hnrs:Prin of Macroeconomics (G3)**

Hnrs:Prin of Macroeconomics

ECON 102: 3 s.h.**Principles of Microeconomics (G3)**

Introduction to microeconomic analysis concentrating on consumer and producer behavior, competitive and other markets, public policy and government regulation. To be successful, it is recommended that students be proficient in algebra (the equivalent of successfully completing MATH 101 or MPT equivalent); however MATH 101 is not a pre-requisite. Offered in fall, spring.

ECON 102H: 3 s.h.**Hnrs:Prin of Microeconomics (G3)**

Hnrs:Prin of Microeconomics

ECON 179: 3 s.h.**Experimental**

Experimental

ECON 203: 3 s.h.**Introduction to World Economy (G3)**

An introductory course analyzing and comparing global economies, trade and economic development. This course does not count toward the major, but qualifies for BSE social studies major and for the minor. MATH 101 or MPT equivalent is highly recommended prior to taking this course. Offered in fall, spring. Prereq: ECON 100, 101 or 102.

ECON 215: 3 s.h.**Money, Credit, and Banking (G3)**

Survey of monetary and banking institutions, policies and practices, including study of monetary theory. Offered in fall, occasionally in spring. Prereq: ECON 101.

ECON 225: 3 s.h.**Comparative Economic Systems (G3, W)**

Analysis of economic systems in France, the former Yugoslavia, China, Japan, the United Kingdom, the former Soviet Union and the United States. Emphasis varies with each offering at the discretion of the instructor. Offered in spring. Prereq: ECON 101, ENGL 110.

ECON 226: 3 s.h.**Area Studies (G3)**

Analysis of regional economies such as Africa, Asia or Latin America. The area of study will be specified by the instructor expected to teach the course. Offered periodically. Prereq: ECON 101 or 102.

ECON 231: 3 s.h.**Applied Statistics 1 (G3)**

Presentations of data, measures of central tendency and variation, and index numbers. Introduction to probability theory, sampling and inference and regression and time series analysis. Offered in fall, spring.

ECON 231H: 3 s.h.**Hon: Applied Statistics 1 (G3)****ECON 235: 3 s.h.****Mathematical Economics**

Static analysis in economics, consumer and firm equilibrium, marginal analysis, optimization problems. Preliminary use of algebra and calculus for business and economic applications. Offered infrequently. Prereq: ECON 101, 102; MATH 101 or equivalent.

ECON 246: 3 s.h.**Econ Health and Welfare Prgm (G3)**

Analysis of consumer theory, firm theory and market failure within the context of health economics. Emphasis on the institutions involved in health care provision, labor markets for health care professionals and market structure and government regulation. Offered in fall. Prereq: ECON 102.

ECON 300: 3-12 s.h.**Co-Op Ed Experience in Econ**

Co-Op Ed Experience in Econ

ECON 305: 3 s.h.**Economics in Film (D, W)**

This course utilizes film as a bridge between real economic life and scholarly treatment of the relevant issues. The course emphasizes critical thinking and synthesis of economic ideas. Students must also engage in questioning the obvious, exploring meaning, and writing about issues from films incisively and analytically following the scientific method. While maintaining rigor in their writing, students must state clearly their hypothesis and empirical methodology. Data collection includes primary data, surveys, personal interviews, and focus groups (culturally diverse groups related to the underlying socioeconomic issue). Prereq: ECON 100 or 101 or 102; COMM 100; ENGL 110 and junior status.

ECON 307: 3 s.h.**Environmental Economics (G3, W)**

Microeconomic theory applied to the problems of pollution control, sustainability, and valuation of environmental goods and services. Topics include economic efficiency, externalities, public goods, benefit-cost analysis and environmental policy. Content includes economic theory, critical analysis, and problem solving applied to applications of economic efficiency, welfare analysis, and optimal pollution abatement policy. Offered in spring. Prereq: ECON 102, ENGL 110, and Math 101 or MATH placement beyond MATH 101 (MATH 151, 155H, 160, 161, 163H)

ECON 310: 3 s.h.**Economics of Justice (P)**

Economic concepts and models are used to explain laws and legal situations. Economics is applied in some of the principal areas of the law: property, contracts, torts and crime. Offered infrequently. Prereq: ENGL 110, COMM 100, junior status, ECON 102, BUAD 202, or permission of instructor.

ECON 316: 3 s.h.**Public Finance (G3)**

Economic aspects of governmental budgeting emphasizing fiscal policy including impact of taxation and expenditures. Topics include the allocation, distribution and stabilization effects of the public household. Offered in spring. Prereq: ECON 101, 102.

ECON 318: 3 s.h.**Intermediate Microeconomics (G3)**

Similar in scope to ECON 102 with major emphasis on the further development and refinement of tools of economic analysis. Offered in spring. Prereq: ECON 101, 102 and MATH 151 or 161.

ECON 318H: 3 s.h.**H:Intermediate Microeconomics (G3)****ECON 319: 3 s.h.****Intermediate Macroeconomics (G3)**

Similar in scope to 101, with major emphasis on the determination of the economy's total output, the price level and the level of employment. The course incorporates the interaction of the market for goods and services, the assets market and the labor market. Offered in fall. Prereq: ECON 101.

ECON 323: 3 s.h.**Games and Experiments in Econ (G3)**

This course presents how economic theory is used to explain decisions of economic agents (e.g., consumers, firms or the government) in markets and strategic environments where the outcomes depend on the interaction of the decisions of the agents. Tests of economic theory predictions in the form of laboratory experiments will also be discussed and implemented. The areas of study include market behavior under various institutional settings, allocation decisions in settings with externalities, and individual choice and uncertainty. Offered annually. Prereq: ECON 102 or 102H, and ENGL 110.

ECON 325: 3 s.h.**International Economics (G3)**

Theory of international trade, commercial policy and trade in relation to economic development, balance of payments and the foreign exchange market, international monetary developments, foreign aid and economic growth. Offered in spring. Prereq: ECON 101, 102.

ECON 325H: 3 s.h.**Hon: Intl Economics (G3)**

ECON 326: 3 s.h.**Economic Growth and Development (G3)**

Introduction to economic characteristics and problems of less developed countries and to associated theories and policies. Offered annually.

Prereq: ECON 101, 102; ENGL 110.

ECON 327: 3 s.h.**Women and Global Economic Development (D, P)**

Theoretical and case-based examination of women in the political economy of "less developed" economies. Issues covered include women's experiences with economic development; effects of economic development on women's status, roles, workloads and resource access; effective methods of empowerment for women experiencing contemporary economic development; and targeting gender in development, particularly through grassroots efforts. Offered annually.

Prereq: ECON 101 or 102, COMM 100, ENGL 110, junior status.

ECON 333: 3 s.h.**Econometrics**

The estimation and hypothesis-testing of economic models, principally using regression techniques. Topics include linear models, time series analysis and simultaneous equations models. The uses and limitations of these models for economic forecasting are examined with the aid of computers. Offered in spring. Prereq: ECON 101, 102 and either 231 or 332.

ECON 333H: 3 s.h.**Honors Econometrics****ECON 335: 3 s.h.****Forecasting and Analytics (G3)**

Emphasis is on authentic learning of the forecasting and analytics methods that practitioners have found most useful. Prereq: ECON 231 or MATH 235, and ECON 101.

ECON 345: 3 s.h.**Labor Economics (G3)**

The labor market and labor forces, theories of wages and employment, security, determinants of trade union policy and governmental manpower policies. Offered in spring. Prereq: ECON 101, 102.

ECON 345H: 3 s.h.**Honors Labor Economics (G3)****ECON 355: 3 s.h.****Economics of Sex, Drugs, & Religion (G3, P)**

This course applies consumer theory, firm theory, and market failure to the economics of social issues via the broad, and often controversial, topics of sex, drugs, and religion. Emphasis is placed on the current economic, political, and legal aspects of these issues and therefore specific topics may change depending on current events. Students will explore these topics and lessons via research articles published in academic journals and by research published by the top economic research organizations. Prerequisites: ECON 102 and MATH 101 or math placement beyond 101, MATH 130 or equivalent.

ECON 365: 3 s.h.**History of Economic Thought (G3)**

Examination of a variety of theoretical and philosophical perspectives in economics developed during the past few hundred years. The ideas of well-known economists such as Adam Smith and Karl Marx are typically analyzed, as is the thought of a selection of lesser known contributors to the discipline. Offered once every two years. Prereq: ECON 101, 102.

ECON 375: 3 s.h.**Economics of Industrial Organization (G3)**

The study of (1) how enterprises function within a variety of market structures and (2) how well the outcomes fit the public interest. Specific topics include market share, barriers, concentration, vertical power, economies of scale, pricing behavior, mergers and efficiency. Offered in spring. Prereq: ECON 101 and 102.

ECON 379: 3 s.h.**Experimental**

Experimental

ECON 400: 3-12 s.h.**Co-Op Educational Experience in Economics**

Co-Op Educational Experience in Economics

ECON 479: 3 s.h.**Experimental**

Experimental

ECON 488: 3 s.h.**Seminar in Economics (W)**

Students participate in the process of knowledge creation by generating a research question in economics and undertaking in-depth analysis of that question. The course is structured to support student development and application of critical analytical skills through theoretical and/or empirical methods, research and information management skills, and writing and presentation skills. The course emphasizes the process of research and writing, culminating in three final products: the paper, the poster and the presentation. Majors only. Offered annually. Prereq: ENGL 110, minimum 12 hours of economics or permission of instructor.

ECON 489: 1-4 s.h.**Honors Course**

Honors Courses/Thesis

ECON 498: 1-3 s.h.**Independent Study**

For further information on independent study, see the Special Academic Opportunities section.

ECON 499: 1-4 s.h.**Departmental Honors**

Honors Courses/Thesis

ECON 500: 3-12 s.h.**Co-Op Educational Experience in Economics**

Co-Op Educational Experience in Economics

GEOG 101: 3 s.h.**The Global Environment (G3)**

Global survey of human environment interactions focusing on people's use of natural resources and major related issues, including scarcity and environmental impacts. Comparisons between developing and developed countries and across cultures.

GEOG 120: 3 s.h.**Human Geography (D, G3)**

Cultural geography of race, ethnicity, gender and political systems. Emphasis on processes that create and maintain cultures and the geographies that these processes produce. Offered in spring.

GEOG 123: 3 s.h.**Place and Identity (G1)**

Introduction to humanistic geography through an examination of the foundational geographical concepts of place and human identity. 'Place', and its close corollary 'identity', are explored chronologically beginning with the philosopher-geographers of ancient Greece and Rome, through to modern social and political philosophies of the 19th and 20th centuries. Cross cultural examples are used to illustrate the nature of place as a fundamental element of everyday human experience of the world.

GEOG 130: 3 s.h.**Intro to Environmental Science (G2)**

Introduction to the scientific concepts, principles, and methodologies that underlie environmental change and environmental sustainability. Emphasis on the spatial scale and interconnection of multiple environmental processes, the effects of human activities on environmental processes, and the technical and scientific methods for their assessment and analysis.

GEOG 130H: 3 s.h.**Hon: Intro to Environ Science (G2)****GEOG 141: 3 s.h.****World Regional Geography (G3)**

Spatial patterns of environmental, cultural, social, economic and political developments in selected regions of the world. Emphasis on developed and less developed parts of the world.

GEOG 202: 3 s.h.**Environmental Sustainability (G3)**

Investigation of problems that have arisen through human use of earth's resources, and the technical, economic, policy, and social options available to us. Offered in fall, spring.

GEOG 222: 3 s.h.**Economic Geography (G3)**

Location of economic activities in different environmental settings. The growth of global economic interdependence. Economic growth and development strategies in a regional framework. Economic versus environmental trade-offs. Offered in summer.

GEOG 223: 3 s.h.**Health, Gender, Race & Class (G3)**

Introduction to the geographical distribution of select contemporary diseases and their relationships to other health care issues. Distribution of, and access to, scarce health care resources along with impacts of gender, race, and class on human life chances at global (especially developed versus developing countries), regional and local (such as urban versus rural) scales are evaluated.

GEOG 226: 3 s.h.**Political Geography (D, G3, W)**

Political boundaries of the world map. Covers violent conflicts from which countries were formed. Colonization (1400-1900), decolonization (1800-1970) and the Cold War are discussed. Offered in fall, spring. Prereq: ENGL 110.

GEOG 226H: 3 s.h.**Hnrs:Political Geography (D, G3, W)**

Hnrs:Political Geography. Offered in fall.

GEOG 227: 3 s.h.**Cities (G3)**

City development is described and explained in a global context. The US city system is explained and compared to European, Asian and African urban systems. Contemporary city problems (gentrification, urban decline, segregation, etc.) are discussed.

GEOG 228: 3 s.h.**Geography of Sport (G3)**

Using a geographical basis, the course will examine a variety of topics, including landscapes of modern sport; place and space in sport; institutions and spatial organization of sport; and sport, politics and development. Offered periodically.

GEOG 229: 3 s.h.**Sustainable Tourism (G3)**

An investigation of the areal distribution of recreation and tourist activities and their positive and negative impacts; emphasis on environmental and economic aspects of leisure within a locational framework. Planning methodology to alleviate problems and create higher-quality recreational experiences. Offered infrequently.

GEOG 230: 3 s.h.**Physical Geography (G2)**

Study of the Earth's physical environment, including atmosphere, hydrosphere, lithosphere and biosphere. Viewing the Earth as an integrated system, global patterns and processes are analyzed. Offered annually.

GEOG 242: 3 s.h.**London (G3)**

Using London as the core of the class, students will be introduced to basic geographic concepts and methods of analysis. Despite the focus on one city, London, the course will take a thematic approach towards geographical inquiry (map interpretation, urban planning, migration, segregation, industrial development, political geography and empire building) London's twentieth century industrial decline will be used to illustrate broader themes of global economic competition.

GEOG 245: 3 s.h.**Geography of Pennsylvania (G3)**

Introduction to the geography of Pennsylvania, using the tools and concepts of regional geography. Physical, cultural and economic landscapes and resulting social and environmental issues are examined.

GEOG 245H: 3 s.h.**Hon: Geog of Pennsylvania (G3)****GEOG 248: 3 s.h.****Geography of Africa (D, G3)**

The course uses a thematic approach to examine many of the subfields of geography as they pertain to Africa. Topics include the physical landscape, climate, vegetation, environmental issues, precolonial and colonial history, politics, culture, population, urbanization, agricultural and economic development, and medical gender issues. Offered periodically.

GEOG 248H: 3 s.h.**Hon: Geography of Africa (D, G3)****GEOG 278: 3 s.h.****Transportation Geography (G3)**

Transportation is defined as the movement of goods and people from place to place. This course introduces the principles underlying these movements, with discussion of the economic, social and environmental impacts. Offered periodically.

GEOG 279: 3 s.h.**Experimental**

Experimental Course in Geography

GEOG 281: 3 s.h.**Maps and GIS (G3)**

Thorough examination of maps as tools for representing Earth dimensions, depicting landscapes and displaying data. Use Geographic Information Systems (GIS) mapping software to make a variety of effective maps.

GEOG 289: 3 s.h.**Field and Research Methods in Geography (W)**

Introduction to the theory, process, and methodology used to collect and analyze data, and conduct and communicate research within the multidisciplinary context of geographic inquiry.

GEOG 292: 3 s.h.**Quantitative and Spatial Analysis (G2)**

Analysis of spatial and other geographical data using descriptive statistical measures, probability and sampling, and inferential statistical methods. Emphasis on geographical problem solving. Prereq: GEOG 281, and MATH 130 or higher, or MPT 151 or higher, or MATH 101.

GEOG 295: 3 s.h.**GIS I: Vector Data Analysis (G2)**

Introduction to Geographic Information Systems (GIS) computer technology, theory, and methodology focusing on vector data models. Combines understanding of geographic data and research with experience in digital mapping, geographic databases, and spatial analysis. Offered in fall, spring. Prereq: GEOG 281.

GEOG 296: 3 s.h.**GIS II: Raster Data Analysis**

Introduce students to the fundamental concepts of Raster GIS. Topics will include: the physical basis for remote sensing, the extraction of information contained within energy, remote sensing instrumentation, aerial photography, photogrammetry, digital image processing, data structure, database design, and spatial data analysis. Land-based environmental resources and sustainability applications.

GEOG 296H: 3 s.h.**H: GIS II: Raster Data Analysis****GEOG 300: 3-12 s.h.****Co-Op Ed Experience in Geog**

Assignment with a public agency or private organization. Requirements include design of an approved job description relevant to employer's functions and student's program, and a planned program of contact with the faculty supervisor. Performance evaluation by sponsor used in assigning satisfactory/unsatisfactory grade.

GEOG 302: 3 s.h.**Food System Sustainability (G3, W)**

Examines the attendant economic, social and environmental impacts of our food system. Key areas of policy influence on our food system and sustainable interventions for transforming our food system will also be addressed. Offered periodically. Prereq: ENGL 110; GEOG 101 or GEOG 130 or GEOG 202 or permission of instructor.

GEOG 304: 3 s.h.**Water Resources Management (G3)**

An interdisciplinary study of how we plan, manage and use water. Topics range from water law to hydrology. Offered periodically. Prereq: GEOG 101 or 202.

GEOG 305: 3 s.h.**Energy Sustainability (G3, W)**

Explores energy production and consumption from geographic and sustainability perspectives. The social, economic and environmental impacts of traditional and alternative energy resources will be examined. Options for a sustainable energy future in different geographic locations will be addressed. Offered periodically. Prereq: ENGL 110; GEOG 101 or GEOG 202 or permission of instructor.

GEOG 305H: 3 s.h.**Hon: Energy Sustainability (G3, W)****GEOG 306: 3 s.h.****Environmental Impact Assessment**

The various regulatory requirements and technical methods for developing federal environmental-impact statements for air, water, biological and socioeconomic environments. Offered periodically. Prereq: GEOG 202 and 230 or permission of instructor.

GEOG 307: 3 s.h.**US Environmental Policy (G3)**

Federal environmental legislation; the relationship between local, state and federal agencies in policy formation and implementation; industry responsibilities and options under existing law; the role of interest groups and the public in environmental decision making and U.S. engagement in emerging international environmental policy debates. Offered in fall of odd years. Prereq: junior or senior status; GEOG 101 or 202 or GOVT 205 or ECON 102 or permission of instructor.

GEOG 307H: 3 s.h.**Hon:US Environmental Policy (G3)****GEOG 333: 3 s.h.****Biogeography (G3)**

Interactions between environmental, biological and human factors which have led to current geographical distributions of flora and fauna. Field trip required. Offered periodically. Prereq: GEOG 230 or BIOL 100 or permission of instructor.

GEOG 336: 3 s.h.**Climate And Society (G3)**

Human interrelationships with the atmospheric environment. Includes microclimatological applications in agriculture, water resources, human health and architecture to analysis of global climate-change issues. Offered periodically. Prereq: GEOG 230 or ESCI 107 or permission of instructor.

GEOG 342: 3 s.h.**Europe (G3, W)**

Introduction to Western Europe as a region. Emphasis on its delimitation and cultural, economic and political spatial patterns relating to the desire to form a European community. Europe within a global framework also considered. Offered in winter, spring, summer. Prereq: ENGL 110.

GEOG 343: 3 s.h.**Latin America & the Caribbean (P)**

A thematic study of the physiographic and cultural regions of Latin America and the Caribbean. Historical, economic, political, social, and environmental geography approaches to studying regional characteristics. Select topics include population change, land use change, urban development, economic development, environmental sustainability, and human rights. Offered periodically. Prereq: COMM100; ENGL110; and junior or senior status.

GEOG 344: 3 s.h.**North America (G3)**

Geography of the U.S. and Canada using the tools and concepts of regional geography. Physical, population and economic patterns are merged in developing an understanding of regional characteristics and issues.

GEOG 350: 3 s.h.**Global Issues (G3)**

Issues related to urban, cultural and resource problems are analyzed globally. Emphasis on spatial nature of these problems and emerging global interdependence. Focus on a single current issue, which will be identified in advertised course title. Offered periodically.

GEOG 372: 3 s.h.**Urban and Regional Planning (G3)**

Introduction to land use and other types of planning in urban and rural areas. Assessment of development suitability and environmental impact. Techniques for implementing different types of plans. Offered annually.

GEOG 379: 3 s.h.**Experimental**

Experimental

GEOG 384: 3 s.h.**Cartography**

Introduction to concepts and techniques of mapmaking. Skill developed in computer-based compilation, layout and lettering of maps. Offered periodically. Prereq: GEOG 281, 295.

GEOG 395: 3 s.h.**GIS for Web Development**

Integrate GIS and Web development technologies. Implement data compilation and map design decisions to support an organization's internal and public information flows. Incorporate interactive maps and information retrieval to enhance Web content. Prerequisites: GEOG 295 or ESCI 281, and DESN 247 or CSCI 121.

GEOG 396: 3 s.h.**GIS Modeling**

Analyze and construct GIS-based models of various geographical scenarios. Strategize spatial and temporal problem solving in environmental, transportation, emergency management and other contexts. Adapt some models to computer algorithms used within GIS software. Prerequisites: GEOG 295 or ESCI 281, and GEOG 296, and CSCI 161 or ESCI 282, or permission. Offered fall of even-numbered years.

GEOG 397: 3 s.h.**GIS Data Management**

Fully explore the GIS geodatabase model and related data structures, and how they encapsulate all data types, characteristics and capabilities. Assess data quality and long-term data management issues.

GEOG 400: 3-12 s.h.**Co-Op Ed Experience in Geog**

Assignment with a public agency or private organization. Requirements include design of an approved job description relevant to employer's functions and student's program, and a planned program of contact with the faculty supervisor. Performance evaluation by sponsor used in assigning satisfactory/unsatisfactory grade.

GEOG 407: 3 s.h.**Globl Envrnmtl Policy/Negotiatn (G3, W)**

Global political and economic forces and environmental change. Emphasis on spatial patterns and processes of transboundary environmental problems, the major pieces of international environmental policy, the negotiations process between states and nonstate actors in policy formation and implementation, and the dynamics of North-South relations on the changing physical landscape. Offered in spring of even years. Prereq: junior or senior status; ENGL 110, GEOG 307 or permission of instructor.

GEOG 408: 3 s.h.**Sustainable Development (D, P)**

Social, economic, and environmental aspects of global sustainable development. Class discussion integrated with research and service learning projects. Prereq: COMM 100, ENGL 110, and junior or senior standing.

GEOG 479: 3 s.h.**Experimental**

Experimental

GEOG 488: 1-3 s.h.**Senior Thesis**

Investigation of selected topic with individual research assignment; focus varies but related to geographical analysis. For senior Geography majors only. Prereq: senior standing and completion of basic courses. Offered as needed.

GEOG 489: 1-4 s.h.**Honors Thesis**

Investigation of selected topic with individual research assignment; focus varies but related to geographical analysis. Prereq: senior standing and completion of basic courses and eligibility for departmental honors. See Special Academic Opportunities, Departmental Honors section of this catalog.

GEOG 498: 1-3 s.h.**Independent Study**

Investigation of selected topic with individual research assignment; focus varies.

GEOG 499: 1-4 s.h.**Departmental Honors**

Investigation of selected topic with individual research assignment; focus varies but related to geographical analysis. Prereq: senior standing and completion of basic courses and eligibility for departmental honors. See Special Academic Opportunities, Departmental Honors section of this catalog.

GEOG 500: 3-12 s.h.**Co-Op Ed Experience in Geog**

Co-Op Ed Experience in Geog

GOVT 100: 3 s.h.**Politics and Popular Culture (G3)**

Demonstrates and analyzes the reciprocal relationship between politics and popular culture, both within the United States and globally.

GOVT 111: 3 s.h.**Introduction to American Government (G3)**

Introduction to the major tenets of the American political system.

GOVT 112: 3 s.h.**Introduction to State and Local Government (G3)**

The federal system and state and local governmental problems. Emphasis on Pennsylvania when possible.

GOVT 179: 3 s.h.

Experimental
Experimental

GOVT 205: 3 s.h.**Introduction to Public Policy (G3)**

Decision making by governments in response to public problems. The policy process. Current policy issues, selected from such possible examples as education, abortion, energy and environment. Some problems of policy evaluation.

GOVT 211: 3 s.h.**Introduction to the U.S. Constitution (G3)**

An introduction to the U.S. Constitution, with specific attention on its purpose, principles, and parts. GOVT 111 highly recommended prior to this course.

GOVT 212: 3 s.h.**Women & American Politics (G3, W)**

Examines the role of women in American political institutions including the legislature, executive, and judiciary, the factors which impact women's participation in politics, and the consequences for issues which concern women such as abortion, pay equity, and paid family leave.

GOVT 221: 3 s.h.**Introduction to Comparative Political Systems (G3)**

Introduction to the comparative analysis of government and politics through an examination of different political systems including advanced democracies and developing nations.

GOVT 225: 3 s.h.**Modern China (G3)**

Study of political development in China, with an emphasis on political behavior, culture, institutions, processes and structure.

GOVT 228: 3 s.h.**Democracy and Its Challenges (W)**

An exploration into the entire process of democratization, from the conditions that allow democracy to emerge through the stages of democratization towards the post-democratic challenges faced around the globe.

GOVT 231: 3 s.h.**Introduction to Political Theory (G3, W)**

Representative philosophers and concepts in the history of Western political theory from antiquity through the 19th century.

GOVT 231H: 3 s.h.**Honors: Introduction to Political Theory (G3)**

Hnrs: Intro Political Theory

GOVT 232: 3 s.h.**Political Theory, Literature, and Film (G3, W)**

Uses literature and film to explore central topics in political theory such as capitalism, socialism, democracy and its problems, technology and its problems, etc. Prereq: ENGL 110

GOVT 241: 3 s.h.**Public Administration and Public Service (G3, W)**

A study of intergovernmental relations, organizational theory, decision making, personnel, management, budgeting, program evaluation and policy analysis. Prereq: ENGL 110. Recommended: GOVT 111.

GOVT 251: 3 s.h.**Introduction to Global Politics (G3)**

The nation-state system. Military, political, economic, organizational and legal relations among states. Power and the pursuit of national goals.

GOVT 252: 3 s.h.**Global Crime and Justice (G3)**

Explores the increasingly transnational nature of crime (including global crimes such as human, arms and drug trafficking), the consequent impact upon human security and sustainable development, and international legal responses. Also addresses the legal distinctions and connections between global and international crimes, the latter including terrorism and crimes against humanity. Open to all majors.

GOVT 279: 3 s.h.

Experimental
Experimental

GOVT 300: 3-12 s.h.**Co-Op Ed Experience in GOVT**

Co-Op Ed Experience in GOVT

GOVT 312: 3 s.h.**American Political Parties (G3, W)**

The origins of American political parties. The American two party system. Political parties in American campaigns and elections. The role of political parties in American governance. The role of third parties in America. Prereq: ENGL 110. Recommended: GOVT 111.

GOVT 312H: 3 s.h.**Honors: American Political Parties (G3, W)****GOVT 313: 3 s.h.****American Presidency (G3, W)**

Examination of the presidency and the executive branch of national government. Emphasis on the growth and development of presidential power. Prereq: ENGL 110.

GOVT 314: 3 s.h.**American Judiciary (G3, W)**

Examination of state and federal courts. Primary emphasis on federal courts and especially the U.S. Supreme Court. Recommended: GOVT 111.

GOVT 315: 3 s.h.**Congress and Lawmaking (G3, W)**

A study of the organization, rules and procedures of the Senate and House of Representatives and extensive analysis of the internal and external environment for policy making by Congress. State legislatures are also examined in the same manner. Prereq: ENGL 110. Strongly recommended: GOVT 111.

GOVT 323: 3 s.h.**Government and Politics of the Middle East (D, G3)**

Examination of Middle Eastern politics, including the political systems of Israel, the Palestinian national movement, Iraq, Jordan, Saudi Arabia, Turkey, Syria, and Iran. It assumes a comparative approach toward several regional issues, such as terrorism, the Palestinian-Israeli conflict, Islamic fundamentalism and the peace process. The impact of national, economic, gender and religious perspectives upon the region's politics will also be addressed. GOVT 221 recommended.

GOVT 325: 3 s.h.**Modern Asia (G3)**

Study of political development across East Asia, with an emphasis on political behavior, culture, institutions, processes and structure.

GOVT 327: 3 s.h.**Canadian Government and Politics (P)**

Government and politics of Canada and an examination of how its geography, history, economics and culture have affected its governance. Consideration of major policy issues and their impact on Canada's future. Prereq: COMM 100, ENGL 110 and junior status.

GOVT 327H: 3 s.h.**Honors: Canadian Government and Politics (P)****GOVT 331: 3 s.h.****Modern Political Thought**

This course will examine political thinkers from Machiavelli to Nietzsche. Among others, it will explore the thought of Hobbes, Locke, Rousseau, Marx, Hume, etc. The course will explore questions regarding human nature, the ideal state, the tensions between principles of freedom and equality, critique of existing systems, etc. Prereq: GOVT 111, Prereq/ Coreq: GOVT 231.

GOVT 332: 3 s.h.**Contemporary Politics (G3, W)**

Examines the principles and ideologies found in current politics. Includes an examination of progressivism, communism, conservatism, multiculturalism, etc.

GOVT 333: 3 s.h.**American Political Thought (G3, W)**

Study of the history and development of democracy in an American setting. Emphasis on different and often conflicting versions of democratic theory and practice. Prereq: ENGL 110

GOVT 341: 3 s.h.**Introduction to City Planning (P)**

Study of the dynamics of human settlement patterns in the country and abroad. Examines public policy alternatives regarding land use and development patterns. Introduces methods and techniques used in designing settlement systems and studies values reflected in human settlement patterns. Prereq: COMM 100, ENGL 110 and junior status.

GOVT 351: 3 s.h.**International Law**

Classical sources and recent developments in international law. Evaluation of law in the context of world politics. Recommended: GOVT 251.

GOVT 351H: 3 s.h.**Honors: International Law**

H:International Law

GOVT 352: 3 s.h.**International Organizations (G3)**

Study of various intergovernmental and nongovernmental associations representing a number of multinational groupings serving humanitarian, economic and security functions. Emphasis on organizations such as the United Nations and the European Union. Recommended: GOVT 251.

GOVT 355: 3 s.h.**American Foreign Policy (G3)**

Institutional and historical overview of American foreign policy. Formal, informal and institutional sources of foreign policy. Emphasis on post-WWII presidential administrations. Recommended: GOVT 111 or GOVT 251.

GOVT 355H: 3 s.h.**Honors: American Foreign Policy (G3)**

Hnrs:American Foreign Policy

GOVT 356: 3 s.h.**Disasters and Our World (P)**

Provides a multi-perspective and global exploration into why there is no such thing as a "natural" disaster. The political, economic, social and environmental sources of vulnerability to such events will be explored along with the role disasters play in some of the 21st century's most pressing global policy challenges. Open to all majors. Prereq: ENGL 110, COMM 100 and Junior Class Standing.

GOVT 361: 3 s.h.**Politics of Race and Ethnicity (D, G3)**

Examination of the role of racial and ethnic minority groups in American politics and government. Focus on political resources and political status of ethnic minority groups in America, ethnic minority group representation and participation in American politics, the racial divide in American public opinion, racial politics in America's cities and strategies of ethnic minority political empowerment. Prereq: GOVT 111.

GOVT 379: 3 s.h.**Experimental**

Experimental

GOVT 379H: 3 s.h.**Honors: Experimental****GOVT 400: 3-12 s.h.****Co-Op Ed Experience in GOVT**

Co-Op Ed Experience in GOVT

GOVT 401: 3 s.h.**Political Research Skills and Methods**

Knowledge and application of the Scientific Method in political research. Focus on empirical research, explanation and causation, measurement, hypothesis testing, and the challenges of conducting political research.

GOVT 408: 3 s.h.**Seminar in Government, Policy and Law**

Analysis of critical problems in the discipline. Research and preparation of a written report. Seminar may be taken for credit more than once, provided content is different each time.

GOVT 408H: 3 s.h.**Honors: Seminar in Government, Policy, and Law****GOVT 411: 3 s.h.****Constitutional Law: Federalism and Separation of Powers**

Focus on the allocation of power between branches and among levels of government, as interpreted through significant cases of the U.S. Supreme Court. Prereq: GOVT 111. Recommended: GOVT 314.

GOVT 411H: 3 s.h.**Honors: Constitutional Law: Federalism and Separation of Powers****GOVT 412: 3 s.h.****Constitutional Law: Civil Rights and Civil Liberties**

Focus on individual rights and liberties protected by the U.S. Constitution and Bill of Rights, as interpreted through significant cases of the U.S. Supreme Court. Prereq: GOVT 111. Recommended: GOVT 314.

GOVT 412H: 3 s.h.**Honors: Constitutional Law: Civil Rights and Civil Liberties**

Hnrs: Constitutional Law: Civil Rights and Civil Liberties

GOVT 431: 3 s.h.**Literature and Politics (W)**

This course will take one work of fiction, a particular author/writer, or a number of different works of fiction which are thematically connected, and examine the political, social, and cultural questions and issues embedded in these works. Political philosophy asks central questions about human life- what makes us human; what, if anything, makes the best state; how can humans live together while being individuals in their own right, etc. Well crafted works of political fiction are often the best gateway to politics since they use a fictional reality to develop abstract concepts. In fact, some of the best works of political philosophy is fiction. Instructors will choose works of fiction which, juxtaposed with political writings, speeches, articles, and texts, enable students to identify and answer the great political questions of generations. Prereq: C- or higher GOVT 111 and GOVT 231

GOVT 455: 3 s.h.**US-Middle East Foreign Relations (W)**

An institutional, historical and contemporary overview of American foreign policy in the Middle East. While key events and political processes equated with the post-World War II period will be examined, the focus of GOVT 455 will be on current US interests and policies within the region. Past events will be utilized to underscore their contemporary political relevance to US policymakers. Specifically, American policy vis-a-vis Israel, the Palestinian national movement, Egypt, Iran, Iraq, Saudi Arabia, Turkey, and Syria will be explored in detail.

GOVT 456: 3 s.h.**Global Humanitarianism (W)**

Explores the complex landscape of international humanitarian assistance, including its political, economic, governance and ethical challenges, as well as its historical evolution. It will prepare students for direct entry into a related field, post-graduate study or becoming an international aid or development volunteer. Prereq: ENGL 110, GOVT 251 OR INTL 201 and Junior class standing or permission of instructor.

GOVT 479: 3 s.h.**Experimental**

Experimental

GOVT 489: 1-4 s.h.**Honors Course**

Honors Course

GOVT 498: 1-6 s.h.**Independent Study**

For further information on independent study, see the Special Academic Opportunities section.

GOVT 499: 1-4 s.h.**Departmental Honors**

Departmental Honors

GOVT 500: 3-12 s.h.**Co-Op Ed Experience in GOVT**

Co-Op Ed Experience in Government, Policy and Law

HIST 101: 3 s.h.**Europe and the World 1350-1789 (G3)**

Europe and its world relationships during the centuries of the Reformation, the scientific revolution, overseas expansion and revolution. Offered in fall, spring.

HIST 102: 3 s.h.**Europe and World 1789-Present (G3)**

Europe and its world relationships in the age of industrialization and democratization. Offered in fall, spring.

HIST 105: 3 s.h.**History Matters**

An introduction to the study of history as an academic discipline (a major) and as a profession (a career) with a focus on research, interpretation, and teaching.

HIST 105H: 3 s.h.**Hon: Craft of History****HIST 106: 3 s.h.****Contours of US History (G3)**

A survey of United States history from the peopling of the Americas to the present. Identifies and examines the key themes in the creation and transformation of the nation and its peoples. Offered in fall, spring.

HIST 107: 3 s.h.**Pre-Modern World Cultures (G3)**

General survey of world history and culture from known beginnings to 1500. Intended for nonmajors. Offered periodically. Equivalent course HIST 206: No credit given if credit earned for HIST 206. Offered annually.

HIST 179: 3 s.h.**Experimental**

Experimental

HIST 200: 3 s.h.**Reimagining Holidays & Heroes (G3)**

Content-based inquiry into the celebration of US holidays and heroes. Course covers American Revolution and founding of the United States, Indigenous America since pre-Columbian interactions, and a history of Blacks in America from 1619 to the present.

HIST 205: 3 s.h.**The Art & Craft of History**

An intermediate investigation of the practices of historical investigation: formulation of research queries, location and analysis of evidence, and analytical narration of findings. Prereq: HIST 105 with a grade of C- or higher.

HIST 206: 3 s.h.**World Culture & Religion to 1500 (D, G3, W)**

Survey of world history from known beginnings to 1500. Offered annually. Equivalent course HIST 107: No credit given if credit earned for HIST 107. Prereq: ENGL 110.

HIST 213: 3 s.h.**Greeks and Romans (G3)**

This course considers the social, political and economic history of Ancient Greece and Rome. No prior knowledge of history is necessary.

HIST 214: 3 s.h.**History of Christianity (D, G3)**

Examines the formation of early Christianity, the spread of Christianity from the Roman Mediterranean through Asia, Africa, and Europe, and the major issues of European Reformation.

HIST 215: 3 s.h.**Slaves & Masters Ancient World (G3)**

Considers the social, political and economic factors concerning the practice of slavery in ancient world cultures. No prior knowledge of history is necessary.

HIST 215H: 3 s.h.**Hon: Slaves/Master Ancient Wrl (G3)****HIST 216: 3 s.h.****Vikings (G3)**

Considers the social, political and economic history of the Viking explorers and their society. No prior knowledge of history is necessary.

HIST 216H: 3 s.h.**Hon: Vikings (G3)****HIST 218: 3 s.h.****People and the Environment (G3, W)**

This course offers an introduction to the methods and insights of environmental history in Europe and the Americas from 1500 to the present. It examines developments in Europe, with background in medieval dynamics and a focus on the period from 1500 onward, through 18th-century projects that cleared land and drained swamps, 19th and 20th century industrialization, World Wars I and II, and the post-World War II era. It also discusses the European colonization of the Americas, with background on Indian use of the land before contact with colonists.

HIST 222: 3 s.h.**Modern Britain (G3)**

Modern England: the political, social, economic and cultural evolution of England from 1688 to the present. Offered annually.

HIST 222H: 3 s.h.**Hnrs: Modern Britain (G3)****HIST 223: 3 s.h.****Traditional Germany (G3, W)**

The evolution of the German people and their political, cultural and socio-economic institutions from Roman times to 1806. Offered annually. Prereq: ENGL 110.

HIST 224: 3 s.h.**Modern Germany (G3, W)**

German history from 1806 to the present. Offered annually. Prereq: ENGL 110.

HIST 225: 3 s.h.**Germany, 1945-Present (G3, W)**

This course examines the transformation of Germany from 1945, when, at the end of World War II, there were four occupational zones and no German state, through the era of two German states, East and West, from 1949 to 1990, to the present post-reunification Germany. The events of the Third Reich, World War II, and the Holocaust will form a backdrop to much of this history, and we will quickly review them. Then, the course focuses on the activities of the four occupying powers (the United States, the Soviet Union, Great Britain, and France) in the post-war years, the emerging Cold War, the formation of East and West Germany, developments from the 1950s to the 1980s, the collapse of East Germany and reunification, and post-reunification developments. Prerequisites: ENGL 110 or ENGL 110H

HIST 230: 3 s.h.**Modern Jewish History (G3, W)**

Survey of the history of Jews in the mid 18th-20th centuries. Course designed to enrich students' historical and cultural knowledge and improve students' understanding of Gentile-Jewish relations in the modern world. Offered periodically. Prereq: ENGL 110.

HIST 241: 3 s.h.**Imperial Russia (G3, W)**

Political, cultural, economic and social history from Peter the Great to the Russian Revolution. Offered annually. Prereq: ENGL 110.

HIST 241H: 3 s.h.**Hon: Imperial Russia (G3, W)****HIST 242: 3 s.h.****Soviet Union (G3)**

Political, cultural, economic and social history from the Russian Revolution to the present. Offered annually.

HIST 250: 3 s.h.**Women in American History (G3, W)**

History of women in the United States from the early 16th century through the late 20th century, with a particular emphasis on the significance of race, class, religion and region in the shaping of women's experiences. Offered periodically. Prereq: ENGL 110.

HIST 250H: 3 s.h.**H:Women in American History (G3, W)**

Honors Course - History of women in the United States from the early 16th century through the late 20th century, with a particular emphasis on the significance of race, class, religion and region in the shaping of women's experiences.

HIST 272: 3 s.h.**Afro-American History 1 (G3, W)**

History of African Americans from their first arrival in the Americas through the Civil War, with a particular emphasis on the process of enslavement, the formation of African-American communities and institutions, and the evolution of Black abolitionism. Offered annually. Prereq: ENGL 110.

HIST 273: 3 s.h.**Afro-American History 2 (G3, W)**

History of African Americans from the Civil War through the present, with a particular emphasis on the processes of emancipation, urbanization and enfranchisement. Offered annually. Prereq: ENGL 110.

HIST 276: 3 s.h.**Am Foreign Rltns, 1890 to Pres (G3)**

With the rise of the United States as an international power in the 1890s through its current foreign policy initiatives, it has acted as a leader in the world community. This course examines the rise, decline and resurrection of the United States as a world power through its foreign relations. Offered annually. Prereq: ENGL 110.

HIST 276H: 3 s.h.**Hon: Am For Rltns, 1890-Presen (G3)****HIST 279: 3 s.h.****Experimental**

Experimental

HIST 280: 3 s.h.**Pre-Colonial Africa (G3)**

Examines major social, economic and political developments in pre-colonial African societies. It begins with an overview of historiographical debates of African history, the peopling of Africa, early migration, agricultural innovation, climatic changes to the development of civilizations and cross-cultural contacts. Offered annually.

HIST 281: 3 s.h.**African History (G3)**

A survey of African history; special emphasis on the period since 1500. Offered annually. Prereq: ENGL 110.

HIST 282: 3 s.h.**Transatlantic Slave Trade (G3)**

This course examines the Transatlantic slave trade as a transcontinental episode that was responsible for the forced migration of millions of Africans to the Americas and Europe. It critically analyzes the various dimensions of the global forces that created the Atlantic World, experienced by tens of millions of enslaved African people. It illuminates the origins and continuing legacy of inequality based in European expansion, enslavement and economic supremacy. As an exploration of human history in the Atlantic World, this course discusses indepth the historiography of the slave trade and slavery in contemporary political, economic and social interactions of Africa, Americas and Europe.

HIST 283: 3 s.h.**Colonial Latin America (G3, W)**

From pre-Columbian America to the independence of Latin America (1825). Offered periodically. Prereq: ENGL 110.

HIST 284: 3 s.h.**Modern Latin America (G3, W)**

Continuation of HIST 283 from 1826 to the present. Offered annually. Prereq: ENGL 110.

HIST 285: 3 s.h.**Decolonizatr EU Emp in Africa (G3)**

This course examines the process of the fall and dissolution of European Empires in the decades following the ending of the Second World War. It discusses the historiographical debate of factors that precipitated decolonization in teh international, metropolitan, and national arenas. The course explores colonial insurgency and counterinsurgency programs as well as negotiated, non-violent struggles that culminated in the transfer of power to African nationalists.

HIST 286: 3 s.h.**War, Revolution and Terrorism (G3)**

Examines causes, conducts, and consequences of modern wars, revolutions, and terrorism in our contemporary world. Offers students a critical understanding of the concepts and competing theories associated with the study of war. Also explores the social, political, and economic predicaments of modern states confronting the various forms of warfare.

HIST 286H: 3 s.h.**Hon: War, Revolution & Terrori (G3)****HIST 300: 3-12 s.h.****Co-Op Ed Experience in History**

Co-Op Ed Experience in History

HIST 305: 3 s.h.**Historical Investigations**

An advanced investigation of a selected topic in history that combines readings colloquium and research seminar. Prereq: HIST 205 C- or better.

HIST 308: 3 s.h.**Topics in History (G3)**

A thematic investigation of a significant historical topic with course structure and topic determined by the instructor prior to the preregistration period. Offered periodically.

HIST 308H: 3 s.h.**H Topics:**

H Topics:

HIST 313: 3 s.h.**History of Middle Ages (G3, W)**

Major political, cultural and socioeconomic developments in Europe, c. 500-1300 A.D. Offered annually. Prereq: ENGL 110.

HIST 313H: 3 s.h.**Hon: Hist of Middle Ages (G3, W)****HIST 314: 3 s.h.****The Crusades (D, G3)**

The history of the European Crusade movement to the Levant, as it was then called. The course will not concentrate on military history, but rather on the social, cultural and political factors that led to and resulted from these expeditions. The course will consider these issues from the point of view of the several groups of people, European and West Asian, who were involved in these events. Offered annually.

HIST 320: 3 s.h.**Renaissance and Reformation (G3, W)**

Cultural, social and political history of Europe, 1300-1650, with emphasis on Renaissance arts and literature and 16th century religious upheaval. Offered periodically. Prereq: ENGL 110.

HIST 330: 3 s.h.**Nineteenth-Century Europe (G3, W)**

The history of 19th-century Europe, including social, political, intellectual, cultural, religious and economic history. Offered periodically. Prereq: ENGL 110.

HIST 330H: 3 s.h.**Hnrs:Nineteenth-Century Europe (G3, W)****HIST 334: 3 s.h.****Victorian England (G3, W)**

The political, social, economic and intellectual development of England and the British Empire from the end of the Napoleonic wars to the outbreak of World War I. Offered periodically. Prereq: ENGL 110.

HIST 334H: 3 s.h.**H:Victorian England (G3, W)**

Honors Course - The political, social, economic and intellectual development of England and the British Empire from the end of the Napoleonic wars to the outbreak of World War I.

HIST 340: 3 s.h.**Twentieth Century Europe (G3, W)**

The political, socio-economic, cultural and diplomatic transformation of Europe, 1900 to the present. Offered periodically. Prereq: ENGL 110.

HIST 342: 3 s.h.**Hitler and Nazism (G3, W)**

The origins, development and impact upon Germany and the rest of the world of National Socialist theory and practice. Offered annually. Prereq: ENGL 110.

HIST 351: 3 s.h.**17th Century British America (G3, W)**

The founding and growth of the British Colonies to the Glorious Revolution of 1688, with particular attention devoted to society, beliefs and government. Offered annually. Prereq: ENGL 110.

HIST 352: 3 s.h.**Provincial and Revolutionary America (G3, W)**

America from the Glorious Revolution to the completion of the American Revolution, with particular attention to social, cultural and political developments such as the Enlightenment, the Great Awakening and the War for Independence. Offered annually. Prereq: ENGL 110.

HIST 352H: 3 s.h.**Hnrs:Provinci and Revolutr Am (G3, W)**

HIST 355: 3 s.h.**Civil War and Reconstruction (G3)**

The social, political and economic causes of the Civil War, the military and social events of the war, and the postwar developments of Reconstruction, with particular emphasis on the place of African Americans in U.S. society.

HIST 356H: 3 s.h.**H:New Era, 1876-1919 (G3)**

Honors Course - Responses to industrialization from populism through the progressive era. Changes in thought and culture. World War I and American society. The rise of America as a world power.

HIST 357: 3 s.h.**Modern U.S. History (G3)**

The United States from 1900 to the present. Focus is on political and social, not military, history. Offered periodically

HIST 359: 3 s.h.**First World War (G3)**

This course focuses on the military strategy and tactics employed by the combatants during the First World War (1914-1918). Offered annually.

HIST 360: 3 s.h.**The Second World War (G3)**

The course focuses on the military strategy and tactics employed by the combatants during the Second World War (1939-1945). Offered annually.

HIST 379: 3 s.h.**Experimental**

Experimental

HIST 383: 3 s.h.**Eur Implrm in Af 1870-1914 (G3, W)**

Provides an informed understanding of major themes in late 19th- and early 20th-century Africa, with a particular focus on the impact of British, French, Belgian and German imperialism. Special attention will be given to the discussion of the historiography of imperialism related to Africa. Contemporary Africa will be used to provide a background for assessing the effect of imperialism on African society, politics and economies. Offered annually. Prereq: ENGL 110/H.

HIST 388: 3 s.h.**Twentieth-Century Africa (G3, W)**

Course surveys major developments in 20th-century Africa by situating them in their respective historical contexts. It examines the idea of race, cultural representation of others, colonial economic relations, decolonization, national liberation movements, debts, structural adjustment programs, democracy, post-apartheid South Africa, the emergence of U.S. Africa Command (AFRICOM) and Human Rights and Development. Offered periodically. Prereq: ENGL 110.

HIST 400: 3-12 s.h.**Co-Op Ed Experience in History**

Co-Op Ed Experience in History

HIST 401: 3 s.h.**Cultural Interactions across the Atlantic World, 1450-1820 (P)**

This perspectives course will compare the social, economic, political and religious relations of three areas: Africa, Europe and the Native Societies of the Americas in and during the period of the formation of the Atlantic World. Offered periodically. Prereq: COMM 100, ENGL 110 and junior status.

HIST 401H: 3 s.h.**H:Atlantic World, 1450-1820**

Honors Course - This perspectives course will compare the social, economic, political and religious relations of three areas: Africa, Europe and the Native Societies of the Americas in and during the period of the formation of the Atlantic World.

HIST 405: 3 s.h.**Senior Seminar**

Students will prepare and defend a seminar paper of approximately 25 pages. Prereq: HIST 205 with a grade of C- or higher; junior or senior standing or permission of instructor. Satisfies advance writing (AW) requirement if a grade of B or higher is attained.

HIST 453: 3 s.h.**Indians & Colonists in PA (P)**

Early Pennsylvania became home to a variety of groups in the course of the 18th century. This course takes a transatlantic approach as it explores the diverse backgrounds of European settlers and the Native Americans whom they encountered, and interactions following the establishment of the colony. Offered periodically. Prereq: COMM 100, ENGL 110 and junior status.

HIST 453H: 3 s.h.**H:Colonial PA German Society (P)****HIST 470: 3 s.h.****The Vietnam War (P)**

The Vietnam War continues to be one of the more controversial moments in the history of the United States. Course examines the war with the objective of achieving a greater understanding of why the United States entered into the conflict and how the war was fought on the military battlefields in Vietnam and political battlefields in Washington, D.C., Saigon, Hanoi and around the world. Offered annually. Prereq: COMM 100, ENGL 110 and junior status.

HIST 470H: 3 s.h.**Hnrs:The Vietnam War (P)**

Honors Course - The Vietnam War continues to be one of the more controversial moments in the history of the United States. Course examines the war with the objective of achieving a greater understanding of why the United States entered into the conflict and how the war was fought on the military battlefields in Vietnam and political battlefields in Washington, D.C., Saigon, Hanoi and around the world.

HIST 479: 3 s.h.**Experimental**

Experimental

HIST 480: 3 s.h.**History of Medicine (G3)**

The history of medicine, health and disease, including political, social, cultural, religious and economic factors from the ancient world to the present. The course includes material from European, American and world perspectives. Offered periodically.

HIST 480H: 3 s.h.**Hnrs: History of Medicine (G3)**

Honors Section. The history of medicine, health and disease, including political, social, cultural, religious and economic factors from the ancient world to the present. The course includes material from European, American and world perspectives. Offered periodically.

HIST 489: 1-6 s.h.**Honors Course**

Honors Course

HIST 489H: 1-4 s.h.**Honors Course****HIST 490: 3 s.h.****17th Century Anglo-America (P)**

This perspectives course introduces students to the use of anthropological methods in studying past societies through examinations of small communities in England and America. Offered annually. Prereq: COMM 100, ENGL 110 and junior status.

HIST 498: 1-6 s.h.**Independent Study**

For further information on independent study, see the Special Academic Opportunities section.

HIST 499: 1-4 s.h.**Departmental Honors**

Departmental Honors

HIST 500: 3-12 s.h.**Co-Op Ed Experience in History**

Co-Op Ed Experience in History

PSYC 100: 3 s.h.**General Psychology (G3)**

An introduction to the study of behavior and mental activity, including such aspects as motivation, emotions, sensation and perception, individual differences, the nervous system, learning and personality with a view of understanding behavior.

PSYC 100H: 3 s.h.**Hnrs:General Psychology (G3)**

Hnrs:General Psychology

PSYC 179: 3 s.h.**Experimental**

Experimental

PSYC 205: 3 s.h.**Psychology Misconceptions (G3, W)**

This course will provide an introduction to some of the most popular and persistent misconceptions in Psychology. These misconceptions will cut across sub-disciplines within Psychology, to include clinical, cognitive, and social psychology, as a few examples. The origin as of these myths will be explored, as well as how they are seen today in the popular media, in practice, in education, and in research domains. The implications of the myths will also be considered. The course will also address how to effectively combat these myths. Prerequisites: PSYC 100 and ENGL 110

PSYC 211: 4 s.h.**Principles of Statistics and Experimental Design 1 (W)**

An introduction to research methods and design and to statistical analysis of psychological data. 3 hrs. lec., 2 hrs. lab. Prereq: ENGL 110, PSYC 100 and MATH 101, 105, 204 or 130 with a minimum grade of C- or math placement into MATH 130 or above.

PSYC 212: 4 s.h.**Principles of Statistics and Experimental Design 2**

A study of standard experimental designs and statistical procedures widely used in psychological research. 3 hrs. lec., 2 hrs. lab. Prereq: PSYC 211 with a grade of C- or higher and MATH 130 with a grade of C- or higher.

PSYC 215: 3 s.h.**Intro to Physiological Psychology**

Serves as an introduction to the nervous system in relation to cognition and behavior. It will begin at the cellular level, building up to the systems level. Offered fall, spring. Prereq: BPE 100 or BIO 100 or 101 and PSYC 100.

PSYC 216: 3 s.h.**Intro Learn Beh Analysis**

This course provides an introduction to the field of Behavior Analysis, and covers the basic principles of conditioning, learning, and behavior change derived from the experimental literature. Topics include an introduction to the philosophy of Radical Behaviorism, historical development of the field, single-subject experimental design and data analysis, and principles of respondent and operant conditioning. Prereq: PSYC 100

PSYC 227: 3 s.h.**Development of the Child and Adolescent (G3)**

A study of the theory and research pertaining to the growth, development and behavior of children through adolescence. Prereq: PSYC 100.

No course credit given if credit earned for separate course in child psychology or adolescent psychology. No credit given if credit earned for PSYC 228. PSYC Majors may only count one of PSYC 227, 228 or 229 as a core elective.

PSYC 227H: 3 s.h.**Hnrs:Devel Child and Adolescnt (G3)**

Hnrs:Devel Child and Adolescnt

PSYC 228: 3 s.h.**Life Span Human Development (G3)**

A focus upon the major stages of human development, beginning with infancy and continuing through the developmental changes of childhood, adolescence and adulthood through to old age and death. Cognitive and psychosocial aspects of human development are emphasized.

Offered Periodically. Prereq: ENGL 110 and PSYC 100. No credit given if credit earned for PSYC 227 or 229. PSYC Majors may only count one of PSYC 227, 228 or 229 as a core elective.

PSYC 229: 3 s.h.**Psychology of Aging (G3)**

An examination of the years of advanced age, beginning with the typical retirement age. Focuses on physical, cognitive and social-emotional development. Offered periodically. Prereq: PSYC 100. No credit given if credit earned for PSYC 228. PSYC Majors may only count one of PSYC 227, 228 or 229 as a core elective.

PSYC 234: 3 s.h.**Human Relations (G3)**

An examination of human interactions, both historically and currently, in diverse structures (e.g., family, social, educational, political, economic, etc.). Course content targets increased awareness and understanding of values, traditions and rites of dominant and minority groups and their effect upon interpersonal and intergroup relations. Offered periodically.

PSYC 246: 3 s.h.**Evolutionary Psychology**

Reviews evolutionary theory, surveys research and, most importantly, explains how evolutionary psychology can be applied to disciplines with and beyond the field of psychology. Offered periodically. Prereq: BPE 100 or BIOL 100 or 101 and PSYC 211.

PSYC 256: 3 s.h.**Psychology Human Adjustment (G3)**

An examination of factors that shape personal and social behavior, with a focus on basic issues, problems and therapies as they relate to personal adjustment. Offered in fall, spring. Prereq: ENGL 110 and PSYC 100.

PSYC 256H: 3 s.h.**Hon: Psych Human Adjustment (G3)****PSYC 279: 3 s.h.****Experimental**

Experimental

PSYC 300: 3-12 s.h.**Co-Op Ed Experience in Psyc**

Cooperative Education in Psychology

PSYC 311: 3 s.h.**Psychology of Drug Addiction (G3, W)**

An investigation of the problems associated with drug addiction. Evaluations of opiates, stimulants, barbiturates, depressants, hallucinogens, marijuana and alcohol, with consideration of the effects of these drugs on the individual. Offered in fall, spring. Prereq: ENGL 110 and PSYC 227 or 228 or 229 or 234.

PSYC 311H: 3 s.h.**H:Psychology of Drug Addiction (G3, W)****PSYC 314: 4 s.h.****Adv. Lab Cognitive Psychology**

A laboratory course designed to examine the nature of human memory, perception and thought, and to provide an introduction to the techniques used to study these phenomena. 3 hrs. lec., 2 hrs. lab. Offered annually. Prereq: C- or higher in PSYC 211, 212 and 215.

PSYC 315: 4 s.h.**Adv Lab Sensation & Perception**

A laboratory course designed to develop an understanding of the models and theories of the sensory and perceptual systems. 3 hrs. lec., 2 hrs. lab. Offered in fall, spring. Prereq: C- or higher in PSYC 211, 212 and 215.

PSYC 316: 4 s.h.**Adv Lab Learn Beh Analysis**

A theoretical laboratory course designed to investigate and apply the concepts of learning and motivation to both human and animal behavior. 3 hrs. lec., 2 hrs. lab. Offered annually. Prereq: C- or higher in PSYC 211, 212 and 216.

PSYC 317: 3 s.h.**Social Psychology**

A review of the principles of social psychology derived from experimental study. Offered in spring. Offered in spring. Prereq: PSYC 100. PSYC 211 recommended.

PSYC 317H: 3 s.h.**HNRS: Social Psychology****PSYC 318: 3 s.h.****Psychology of Racism (D, P)**

Examination of individual and institutional racism in all its aspects, with an emphasis on the various psychological explanatory theories and supporting research as well as the various techniques for alleviating this problem. Additional overview of resultant effects on the victims. Prereq: COMM 100, ENGL 110, PSYC 100 and junior status.

PSYC 318H: 3 s.h.**H:Psychology of Racism (D, P)**

Honors Psychology of Racism

PSYC 325: 3 s.h.**Happiness and Well-Being (D, P)**

This course will examine the constructs of happiness and well-being across multiple variables such as culture, environment, spirituality, and personal factors. Common myths and misconceptions will also be evaluated. Students will leave the course with a greater understanding of the science behind the constructs of happiness and well-being as well as strategies to apply in their own pursuit of living a fulfilling life. Junior status.

PSYC 325H: 3 s.h.**Happiness and Well-Being (D, P)**

Honors Happiness and Well-Being

PSYC 326: 3 s.h.**Human-Animal Bond**

The course will introduce students to the interaction between human and animals with emphasis on the bond between people and their pets. The course will provide an overview of the social, emotional, and psychological implications of pet ownership including attachment and pet loss. The use of companion animals in education, healthcare and clinical settings will be covered as well as the connection between animal maltreatment and interpersonal violence. A service learning project involving contact with companion animals is required. Prereq: PSYC 100 and PSYC 211

PSYC 327: 4 s.h.**Adv Lab in Developmental Science**

Examines advanced topics in child and adolescent development in depth through the application of experimental and nonexperimental research approaches and through critical reading of the research literature. 3 hrs. lec., 2 hrs. lab. Offered annually. Prereq: C- or higher in PSYC 211, 212 and 227 or 228. Submission of satisfactory FBI, Act 34/151 clearances required prior to the start of the course, but not for registration.

PSYC 328: 3 s.h.**Psychology and Religion (P)**

An exploration of psychological and religious questions, issues and processes in the search to give meaning to one's personal and shared journey. Prereq: COMM 100, ENGL 110, PSYC 100 and junior status.

PSYC 329: 3 s.h.**Industrial Psychology (G3, W)**

A study of research and applications of psychology to the work setting. Knowledge of the psychological processes of learning, motivation, perception and assessment is used to analyze selection, training, work design and performance. Offered annually. Prereq: ENGL 110 and PSYC 100 and MATH 130, 235 or PSYC 211.

PSYC 329H: 3 s.h.**Hon: Industrial Psychology (G3, W)****PSYC 335: 3 s.h.****Personality Theory (G3)**

An introduction to historic and contemporary theories of the human personality. Offered in fall, spring. Prereq: PSYC 100.

PSYC 335H: 3 s.h.**H:Personality Theory (G3)****PSYC 337: 3 s.h.****Abnormal Psychology (G3, W)**

A comprehensive study of the etiology, characteristics and treatment in the categories of abnormal behavioral manifestation. Offered in fall, spring. Prereq: ENGL 110 and PSYC 100.

PSYC 337H: 3 s.h.**H:Abnormal Psychology (G3, W)**

PSYC 346: 3 s.h.**Applied Behavior Analysis**

An examination of theory, research and techniques related to the applied behavior analysis, with special emphasis placed on the application in a variety of settings (e.g., family, school and industry). Prereq: PSYC 100.

PSYC 346H: 3 s.h.**H: Applied Behavior Analysis**

Honors Applied Behavioral Analysis.

PSYC 350: 3 s.h.**Cognitive Science (P)**

Basic introduction to cognitive science. Reviews attempts to understand cognition using insights from psychology, artificial intelligence, philosophy, linguistics and the neurosciences. Examines the synthesis of those attempts in the emergent field of cognitive science. Offered periodically. Prereq: COMM 100, ENGL 110 and junior status.

PSYC 350H: 3 s.h.**H: Cognitive Science (P)****PSYC 356: 3 s.h.****Health Psychology**

A review of research and theory linking psychological factors to health. Discussion of psychosocial aspects of health behavior, pain, stress and the impact on biological systems. Evaluation of psychological and behavior interventions for health behavior change and chronic illness. Offered in fall. Prereq: PSYC 100 and PSYC 227 or 228 or 229 or 234 or 256.

PSYC 357: 3 s.h.**Neuropsychology**

This survey course will provide a thoughtful and comprehensive introduction to the field of human neuropsychology, including the history, methods, and logic of neuropsychological investigations. Prereq: BIOL 100 or BIOL 101 and PSYC 211.

PSYC 357H: 3 s.h.**Hon: Neuropsychology****PSYC 365: 3 s.h.****Human Memory**

This survey course will provide a scientific introduction to human memory. The structure and processes of human memory will be covered. There will be consideration of the current and past research, as well as models on memory. Prereq: BIOL 100 or 101 and PSYC 211.

PSYC 379: 1-4 s.h.**Experimental**

Experimental

PSYC 400: 3-12 s.h.**Co-Op Ed Experience in Psyc**

Cooperative Education in Psychology

PSYC 403: 3 s.h.**Family Systems**

An investigation of the impact of the multigenerational family system on the individual. Assessment of functional and dysfunctional family systems. Emphasis upon theorists and their orientations and intervention strategies. Offered periodically. Prereq: PSYC 100 and junior or senior standing.

PSYC 415: 3 s.h.**Advanced Physiological Psych**

A systematic examination of the nervous and sensory systems and their regulation of human behavior. May not be used in place of PSYC 314, 315 or 316 to fulfill the advanced laboratory requirement. Offered Periodically. Prereq: PSYC 100 and one course in biology. Chemistry helpful. Junior or senior standing.

PSYC 417: 3 s.h.**Tests and Measurements**

An introduction to the basic principles of psychological testing and measurement. Focus is upon issues in test construction and design, evaluations of psychometric properties and applications of tests in various fields of psychology. Offered in fall or spring. Prereq: PSYC 211 or permission of instructor.

PSYC 427: 3 s.h.**Childhood Disorders**

An in-depth look at major childhood psychological disorders. Diagnostic criteria, etiology and developmental progression presented. Introduction to diagnostic assessment techniques and commonly used interventions. Offered annually. Prereq: PSYC 100 and PSYC 227 or 228, junior/senior status.

PSYC 427H: 3 s.h.**Hon: Childhood Disorders****PSYC 447: 3 s.h.****Counseling Strategies**

An introduction to the process and practice of counseling. Emphasis is placed on learning counseling theories and on counseling skills. Offered in fall, spring. Prereq: PSYC 100. Junior or Senior status.

PSYC 447H: 3 s.h.**Hon: Counseling Strategies****PSYC 454: 3 s.h.****History and Systems of Psych**

Study of the development of psychology from a branch of philosophy to a modern science. Offered periodically. Prereq: PSYC 100 and junior or senior standing. Must have earned 75 credits and be enrolled/have taken the advanced lab to count for capstone requirement.

PSYC 455: 1-3 s.h.**Seminar in Psychology**

An advanced course devoted to critical analysis of student and professional research using staff consultant leadership. Offered periodically. Prereq: junior/senior psychology majors only and permission of instructor.

PSYC 462: 3 s.h.**Art, Music and Written Word (P)**

Study of psychological processes involved in the production and experience of music, art and literature coupled with a review of psychological theories of human creativity. Key principles within the domain of psychology will be illustrated and explored through the study of the works of artists, musicians and writers. Offered annually. Prereq: PSYC 100, COMM 100, ENGL 110 and junior status. PSYC 335 recommended.

PSYC 462H: 3 s.h.**Hon: Art, Music, Written Wrd (P)****PSYC 479: 1-4 s.h.****Experimental**

Experimental

PSYC 483: 3 s.h.**Applied Ethology**

An introduction to applied animal behavior, including (1) the behavior of companion animals, animals in zoos & aquaria, animals in labs, and animals in agriculture/aquaculture; (2) animal welfare, (3) ethical issues in animal use, (4) methods of training captive animals, and (5) career options and certifications in animal behavior. 3 hrs lecture. Offered periodically. Prereq: PSYC 316 or BIOL 385; PSYC 300 or BIOL 300 or PSYC 495; Senior standing or permission of instructor. Students cannot also earn credit in BIOL 483.

PSYC 489: 1-4 s.h.**Honors Course**

For the definition of departmental honors and eligibility, refer to the Academic Policies section of this catalog.

PSYC 490: 1 s.h.**Honors Seminar**

Examination and discussion of current research issues in psychology. May be taken a maximum of three times. Enrollment limited to students with at least 45 s.h. who are applying to the psychology department honors program and to those already admitted to that program. Offered in fall, spring. Prereq: permission of instructor.

PSYC 495: 1-6 s.h.**Directed Projects in Psych**

Supervised field experience involving the application of psychological principles. Junior or senior standing. Offered in fall, spring. Prereq: permission of instructor. Insurance and recent clearances (Act 34/ Act 151/FBI clearances and TB test results) may be required depending on the setting.

PSYC 496: 1-4 s.h.**Topics In Psychology**

Detailed investigation of a topic of current research interest. Topic to be announced each time course is offered. Credit and meeting hours variable, depending on topic offered. May be taken more than once for credit as topic varies. Offered periodically. Prereq: junior or senior standing and permission of instructor.

PSYC 498: 1-4 s.h.**Independent Study in Psych**

For further information on independent study, see the Special Academic Opportunities section of this catalog.

PSYC 499: 1-4 s.h.**Departmental Honors**

For the definition of departmental honors and eligibility, refer to the Academic Policies section of this catalog.

SOCY 101: 3 s.h.**Introduction to Sociology (G3)**

Introduction to the scientific study of human groups, organizations and societies. Examination of major sociological questions and approaches to studying them.

SOCY 101H: 3 s.h.**Introduction to Sociology (G3)**

Introduction to the scientific study of human groups, organizations and societies. Examination of major sociological questions and approaches to studying them.

SOCY 179: 1-3 s.h.**Experimental**

Experimental

SOCY 210: 3 s.h.**Sociology of the Family (G3)**

The family as a social institution. Topics include the family in mass society, diverse family forms, human sexuality, typologies of love, mate selection, husband-wife interaction, parent-child interaction, family disorganization and American ethnic families. Specific topics may vary.

SOCY 211: 3 s.h.**Social Problems (G3, W)**

A sociological examination of problem areas or human concerns such as poverty, labor issues, substance abuse, domestic violence, crime and justice, health, the environment, discrimination and globalization. Topics may vary. Prereq: ENGL 110.

SOCY 211H: 3 s.h.**H:Sociology Problems (G3, W)**

H:Sociology Problems

SOCY 216: 3 s.h.**Human Population (G3)**

Analysis of population processes such as fertility, mortality, composition, distribution and migration patterns; relationship of population processes to social, economic and political development; effects of status differences; trends in population change. Offered periodically.

SOCY 230: 3 s.h.**Criminology (G3, W)**

The nature and causes of criminal behavior and the types of social response to law violation. Offered in fall, spring. Prereq: SOCY 101, ENGL 110.

SOCY 230H: 3 s.h.**Hon: Criminology (G3, W)****SOCY 300: 3-12 s.h.****Co-Op Ed Experience in Soc**

Co-Op Ed Experience in Soc

SOCY 302: 4 s.h.**Social Statistics**

Emphasis on learning and presenting findings from applied statistical techniques, including frequency tables and graphs, contingency tables, measures of central tendency and dispersion, hypothesis testing, confidence intervals, analysis of variance, correlation, and linear regression (bivariate and multiple). SPSS software package used. Offered in fall, spring. Prereq: C- or higher in Math 130 and 9 s.h. in sociology/ anthropology.

SOCY 303: 3 s.h.**Sociological Theory**

Examination of classical and contemporary theoretical traditions; relevance of sociology to everyday life; works of selected theorists such as Durkheim, Marx, Weber, Merton. Offered fall, spring. Prereq: SOCY 101 and 9 s.h. of sociology at the 200 level or higher.

SOCY 305: 3 s.h.**Social Research Methods (W)**

Overview of major research methods: survey analysis, interviewing, participant observation, content analysis and experimental design. Each student designs and completes a research project. Offered fall, spring. Prereq: C- or higher in ENGL 110, SOCY 301, SOCY 303 and SOCY 302.

SOCY 307: 3 s.h.**African-American Social Thought (G3)**

Examination of the development of African-American social theory through the history of the American republic. Looks at the relationship between African-American social thought, civil rights movements and the larger Afro-Caribbean diaspora. Offered infrequently. Prereq: 9 s.h. in African- American Studies or SOCY 101 and 9 s.h. in sociology (SOCY 303 recommended) or permission of instructor.

SOCY 308: 3 s.h.**Soc of Afr-Amer and Lat Educ (D)**

Social and historical analysis of the secondary and postsecondary experiences of African-American and Latino/a youth in the U.S. informed by critical race, feminist and stratification theories. Offered periodically. Prereq: SOCY 101 or LATS 201.

SOCY 310: 3 s.h.**Sociology of Religion**

Sociological understanding and interpreting religious phenomena including insight regarding the place of religion in society; the functional and conflict orientation to religion; religion and the individual; institutionalization of religion; religion and social change; and the secularization of religion. Offered periodically.

SOCY 313: 3 s.h.**Sociology of Disaster (G3)**

Behavioral and organizational response to environmental hazards and disasters. Case studies of major natural disasters and hazardous-materials incidents illustrate individual, group and societal challenges faced in such events. Issues include building a disaster-resistant community, the impact of the media, and governmental successes and failures. Offered annually. Prereq: SOCY 101 or SOCY 211. A required course for the EHEM minor.

SOCY 313H: 3 s.h.**H: Sociology of Disaster (G3)****SOCY 315: 3 s.h.****Race and Ethnic Relations (G3)**

Study of racial and ethnic relations, modes of adaptation of minorities and cross-cultural examinations of dominant-minority relations. Offered annually. Prereq: 3 s.h. of sociology or junior/senior status.

SOCY 316: 3 s.h.**Social Psychology (G3, W)**

Introduction to sociological social psychology; how social interactions are created, become patterned and susceptible to change; how society is structured through social interaction; and how social identities are formed. Specific topics may vary. Offered periodically. Prereq: ENGL 110, 3 s.h. of sociology or junior/senior status.

SOCY 317: 3 s.h.**Medical Sociology (G3)**

Social and cultural factors in health and illness; social organization of the medical care system; structural and interactional aspects of healthcare. Prereq: 3 s.h. sociology or junior/senior status. Offered periodically.

SOCY 318: 3 s.h.**Soc Of Complex Organizations**

Social-interaction processes in business and industry; nature and effects of complex industrial organization; interrelationships among industry and other social subsystems. Offered periodically. Prereq: 3 s.h. sociology or junior/senior status.

SOCY 319: 3 s.h.**Social Stratification (G3)**

The development of social inequality by race, ethnicity, class, gender and nationality. The social construction of race and gender; various theories of class distribution. Inequality in education, housing and the workplace are discussed. Global instances of inequalities are also discussed. Offered periodically. Prereq: 3 s.h. of sociology and junior/senior status.

SOCY 320: 3 s.h.**Sociology of Education (G3)**

Analysis of education as a social institution and its relationship to other institutions; the roles of educator, administrator, student and parent; implications of subcultures, social stratification and social change. Offered infrequently.

SOCY 329: 1-6 s.h.**Topics in Sociology**

Offered periodically.

SOCY 329H: 1-6 s.h.**Hnrs: Topics in Sociology****SOCY 331: 3 s.h.****Sociology of Policing & Courts (G3)**

Overview of the American system for the administration of justice focused on the apprehension, prosecution and adjudication of criminal defendants. Offered in fall. Prereq: SOCY 101, 230.

SOCY 332: 3 s.h.**Modern Corrections (G3)**

Contemporary American responses to crime. Concentrates on the origins, nature, functions and limitations of American correctional modalities. Offered in spring. Prereq: SOCY 101, 230.

SOCY 332H: 3 s.h.**H:Modern Corrections (G3)****SOCY 334: 3 s.h.****Juvenile Delinquency (G3)**

Nature and extent of juvenile crime; theories of causation; techniques of control and prevention. Offered annually. Prereq: SOCY 101, 230.

SOCY 335: 3 s.h.**Ethics in Criminal Justice**

Examines numerous ethical theories and their application to policing, courts and corrections in the United States. A global analysis of current research, theories and case studies on human trafficking will also be a focus. Prerequisites: SOCY 101 and SOCY 230.

SOCY 335H: 3 s.h.**Hon: Ethics in Crim Justice****SOCY 337: 3 s.h.****Gender and the Law (G3)**

Analyze how the courts and the law construct gender and how these social constructions of gender in the law impact individuals, families, groups, and institutions. Examine the lives of women & girls as offenders, prisoners, victims/survivors and workers in the criminal justice system from a variety of perspectives and disciplines. Analyze how the intersections of sexism, racism, heterosexism, and classism impact the lives of individuals and communities in regard to criminality.

SOCY 337H: 3 s.h.**Hon: Gender and the Law (G3)**

SOCY 338: 3 s.h.**Sociology of Deviance**

Deviance as a social phenomenon. Discusses how definitions of deviance have changed over time, how people become labeled “deviant” and the utility of various theories of deviance. Offered annually. Prereq: SOCY 101.

SOCY 338H: 3 s.h.**H:Sociology of Deviance****SOCY 339: 3 s.h.****Topics In Criminology**

The nature, extent, origins and possible “solutions” to select problems in contemporary criminology. Offered periodically. Prereq: SOCY 101 and 230 or permission of instructor.

SOCY 339H: 3 s.h.**Hon: Topics in Criminology****SOCY 379: 1-3 s.h.****Experimental**

Experimental

SOCY 400: 1-12 s.h.**Co-Op Ed Experience in Soc**

Co-Op Ed Experience in Soc

SOCY 441: 3 s.h.**Urban Society**

Historical and postmodern analysis of urban development, in particular the impact of demographic, political and socioeconomic structural changes on the social fabric of U.S. metropolitan cities. Topics include inner-city life and culture, race, gender, class relations and policy implications. Offered periodically. Prereq: SOCY 101.

SOCY 441H: 3 s.h.**Hnrs: Urban Society****SOCY 448: 3 s.h.****Seminar In Sociology**

Research and group discussion for advanced students on various topics of interest. A total of 6 s.h. may be taken. Offered in fall, spring. Prereq: permission of instructor.

SOCY 479: 3 s.h.**Experimental**

Experimental

SOCY 489: 1-4 s.h.**Honors Course**

Two to four semesters of supervised research through independent projects. Prereq: 3.0 GPA and recommendation by a faculty mentor. For further information, see the Special Academic Opportunities section.

SOCY 498: 1-6 s.h.**Independent Study in Sociology**

For further information, see the Special Academic Opportunities section. Prereq: 3.0 GPA and permission of faculty member.

SOCY 499: 1-4 s.h.**Departmental Honors**

Two to four semesters of supervised research through independent projects. Prereq: 3.0 GPA and recommendation by a faculty mentor. For further information, see the Special Academic Opportunities section.

SOCY 500: 3-12 s.h.**Co-Op Ed Experience in Soc**

Co-Op Ed Experience in Soc