

# BALL STATE UNIVERSITY

## ACADEMIC POSTING

2018-2019

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VOLUME XLVIII – 3

February 4, 2019

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This posting may contain all or part of the following: new, revised, and dropped programs, courses and prefixes. The posting period begins February 4, 2019. If no demurrer is received within ten school days, the changes will be certified for implementation. *The effective date for implementing the undergraduate and graduate materials posted after April 15, 2019 is Fall Semester 2020.*

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### COLLEGE OF ARCHITECTURE AND PLANNING

#### Department of Architecture

#### ARCHITECTURE (ARCH)

##### New:

##### **514 Introduction to Architectural Building Technology (3)**

Introduction to methods and materials of architectural construction. Emphasizes interface of material selections and construction technology in the design, production, and construction process. Includes study of building construction, materials and methods, building assemblies, and the integration of building technology principles into the design process. History, theory, technology, and practice is integrated into architectural building technology.

**518 Introduction to Structural Systems (3)** Introduction to the mathematical foundations of static including equilibrium, balance, centroids, neutral axes, with primary focus on developing a basic understanding of concepts of conditions of equilibrium and force systems. Includes the study, consideration, and integration of code requirements and structural systems in the design process. History, theory, technology, and practice is a critical overlay to structural systems fundamentals.

**538 Structural and Material Systems (3)** Strength of materials, stress, strain, and modulus of elasticity. Introduction to structural systems and their application to the design of horizontal and vertical building systems. Introduction to lateral force resisting systems. Survey, analysis and technical documentation of structural systems comprised of steel, timber, concrete, and masonry and their application and integration in the design process.

**551 Contemporary Issues in Architecture (3)** Introduction to the essential role that architecture plays in promoting

socially and environmentally just communities by acknowledging the values of human rights, social equity, and the dignity of every human being. Exploration of contemporary, social, cultural, political, and economic discourse in establishing design criteria and creating frameworks for design interventions. Understand the ethical issues involved in the exercise of professional judgment in architectural design.

**561 Visualization and Communication (3)** The exploration and development of methods for architectural visualization, representation, and communication in a variety of design media. Analog and digital methods for the realization and translation of design thinking, ideas, geometries, systems, and assemblies into a variety of 2D and 3D representations are introduced.

**570 Introduction to Environmental Systems (3)** Fundamentals of passive and active building environmental systems (heating, cooling, ventilating, lighting, acoustics, fire protection, plumbing, electrical/communications, circulation). An overview of environmental forces and human and material/assembly responses to such forces with consideration of historical context and current concerns and a focus on energy, water, and material resource utilization.

**571 Application of Environmental Systems (3)** Application of passive and active building environmental systems (heating, cooling, ventilating, lighting, acoustics, fire protection, plumbing, electrical/communications, circulation). Systems, equipment, and assemblies that mitigate/enhance environmental forces with consideration of historical context and current concerns and a focus on energy, water, and material resource utilization.

**604 Independent Final Project Studio (6)** Exploratory depth of student-initiated and defined architectural design project while furthering development and articulation of personal values, goals, and objectives in architectural disciplines.

*Prerequisite:* ARCH 637.

**618 Applied Systems Thinking (3)** Advanced course in the selection, design, and integrated application of structural

systems, environmental systems, building systems, and project assemblies in architecture. Emphasis on whole building thinking from site evaluation to building performance. Exploration and application of advanced technologies and inventive building systems, while committed to research and development of sustainable, affordable and equitable practices.

**620 Professional Practice (3)** Explores the essential elements of architectural practice and related professions. Addresses administrative role of the architect, basic principles of architectural practice, leadership, information management, financial considerations, legal responsibilities, ethics, and professional judgment in architectural practice.

**624 Applied Architectural Building Technology (3)** Exploration of methods and materials of architectural construction with a focus on applied learning, combining theoretical knowledge with practical skills and technical training. Practical applications in construction drawing, building material selection and assembly, building envelope systems, estimating techniques, and computer applications. Production of technical documentation related to design studio project. Exploration of critical topics for the future of the built environment and natural resources to use design and technology to create architecture that contributes to a more humane and environmentally responsible built world.

**639 Contemporary History and Theory of Architecture (3)** Introduction to the historical and theoretical movements, technologies, and practices in architecture and urbanism from the advent of the Industrial Revolution up to and including the 21<sup>st</sup> century. Consideration given to the social and cultural context of design ideas with a focus on global developments in vernacular and high style architecture.

## Revised:

**500 Design Thinking and Visualization Workshop (0)** Required of incoming 3-year M.Arch students without previous design experience or coursework. Introduction to spatial and experiential design studies and architectural design representation techniques and media. The workshop serves to identify and discuss methods of design research, architectural theories, conceptual design thinking, historic precedent, and vocabulary that will be preparatory for the program. Offered credit/no credit only.

**501 Design Thinking and Foundations Studio (6)** Introduction to architectural design skills, principles, and processes through a series of projects that address spatial thinking, concept formulation, ordering systems, precedent research, and investigative skills. Projects focus on conditions of scale, material, tectonics, and context in both built and natural environments. Conceptualization, representation, visualization and communication skills are developed.

**502 Environmental Design and Site Context Studio (6)** Design projects address surrounding environmental

parameters in creating strategies, programs, and buildings, while integrating multiple issues of design thinking and context characteristics in multiple, diverse sites. Sustainability principles in design are introduced and applied with emphasis on merging environmental concerns with human desires and needs.

**503 Design Application Workshop (3)** Design workshop focusing on the synthesis of previous course work and the application of architectural design skills in a built investigation. Introduction to collaborative design-build methods while integrating concepts and methods of material assemblies, prototyping, fabrication, stakeholder's roles, community participation, scheduling, and construction cost estimating.

**520 Introduction to Professional Practice (3)** Survey of the role of the architectural profession from its beginning to present. Exploration of how design excellence is fostered and delivered through professional practice. Exposure to diverse business practice models in architecture and allied disciplines. Investigation of the architect's professional, ethical, and legal responsibilities to stakeholders (client, contractor, user groups, community, architect, and allied professionals) in design and practice.

**601 Community Engaged Applied Learning Design Studio (6)** Community-oriented design explorations allow students to embrace a collaborative spirit, strong work ethic, applied research design, careful attention to details, service to the community, and best practices toward achieving quality design, economic viability, equitable procedures, and community livability. Connecting students with the potential of architectural design to embrace community priorities, initiatives, and key stakeholders while positively shaping the constructed environment.

**602 Integrated Architecture Design Studio (6)** Synthesis of a wide range of variables from diverse and complex systems into an integrated architectural solution. Students demonstrate their ability to comprehend site conditions, structural, environmental, and building systems and assemblies, accessibility and life safety, environmental stewardship, and technical documentation. Scope and type of project will require applied research methodologies and an integrated evaluation and decision-making process across multiple systems to inform the design process.

**603 Multi-Disciplinary Design Knowledge Studio (6)** Studio supports an issues-based, teamwork model where students engage complex questions based on a design-thinking foundation enhanced with methodologies and processes from a multi-disciplinary perspective. Partnering with allied disciplines, students discern how to integrate knowledge from other disciplines into their own knowledge and expertise in meaningful ways. Students increasingly define their own interests and take initiative in defining design concepts and processes in reference to overall multi-dimensional studio project.

**636 Research Methods in Architecture (3)** Introduction to research methods applicable to architectural practice. Enables students to study and apply a variety of research methods and tools. Exposure to methods and procedures of architectural research, investigative skills, and integrated design decision-making frameworks provides support for the development of individual final creative project proposal.

**637 Final Project Preparation (3)** Students define, investigate, and articulate a question for their individual final creative project. Through guided independent work, students prepare a proposal that documents their research from project identification, to articulating appropriate design methodologies, to analyzing and synthesizing data, to defining a schedule and framework for their project, to creating final project assessment criteria.

*Prerequisite:* ARCH 636.

**646 Urban Design: History, Theory, and Practice (3)** Introduces the principles, practices, and theory of urban design. Considers the history of urban form, exploring the design of major cities and urban centers. Students develop an understanding of significant case studies while systematically studying physical form, regional influences, and how the public realm is shaped by social, economic, political, and cultural forces. Focus on issues of equity, identity, sense of place, smart growth, and sustainable place making.

**647 Applied Theory and Representation (3)** Students develop critical acumen for contemporary issues in the architecture discipline and understand the impact of effectively communicating and expressing ideas as a form of knowledge based on observation, analysis, synthesis, and design. Students learn to convey meaningful architectural ideas through the critical use of a diverse range of representational skills.

## Department of Landscape Architecture

### Revised:

### MAJOR IN LANDSCAPE ARCHITECTURE (BLA), 121 credits

#### Admissions Standards

A minimum grade-point average of 2.75 in the College of Architecture and Planning first-year course is required of all undergraduate students applying to the BLA program (or declaring an LA major). For transfer students who do not enroll in CAP courses, a minimum grade-point average of 2.75 must be earned in all prior course equivalents to the CAP first year courses.

**Portfolio Requirements:** All students requesting admission into the department must submit a portfolio of work and meet the minimum grade point average. The portfolio must include examples of work from all design studios and design communication courses, and a statement of purpose. Other creative work may be included.

### Retention Standards

If a student earns below a C- in any required studio or engineering course, the student must retake that course. After the first D+ or below, the student must contact their academic advisor immediately following the receipt of final grades from the university. The academic advisor will work with the student to create a plan for moving toward successful completion of the curriculum. If a student receives a second D+ or below for the same course, this will initiate a departmental process that will determine whether the student is retained or dismissed from the program.

PREFIX	NO	SHORT TITLE	CREDITS
ARCH	100	Introduction to Architecture	2
CAP	101	Environment Design and Plan 1	3
	102	Environment Design and Plan 2	3
	161	Design Communications Media 1	2
	162	Design Communications Media 2	2
LA	100	Intro Landscape Architecture	2
	201	Site Design	4
	202	Park and Open Space Design	4
	211	LA Engineering 1	4
	214	Field Study	1
	220	LA Hist Ancnt to Mid 19th Cent	3
	221	LA Hist Mid 19 <sup>th</sup> to Recnt Pst	3
	270	Environmental Systems	3
	280	Computer Applications in LA	3
	301	Housing and Community Design	5
	302	Planting Design	5
	312	LA Engineering 2	4
	313	LA Engineering 3	4
	341	Plants 1	4
	369	LA Internship (0-1)	1
	401	Regional Landscape Design	6
	403	Urban Design	6
	404	LA Comprehensive Project	6
	414	LA Engineering 4	3
	451	LA Research	3
	460	Professional Practice	3
PLAN	100	Intro Urb Planning and Dev	2
		9 credits from department electives	9
		3 credits from	
BIO	216	Ecology (3)	
GEOL	207	Environ Geology Geochem Cycles (3)	
NREM	211	Water Resources (3)	
	221	Soil Resources (3)	3
		Directed electives or minor	18
			121 crs

Students should complete BIO 112 to satisfy the prerequisite for BIO 216.

## Department of Urban Planning

### URBAN PLANNING (PLAN)

#### New:

**532 Economics of Planning (3)** Essential economic perspective on planning issues, such as land use and its impact, urban form, environmental protection, housing, traffic and multi-modal transportation, public goods, public utilities, and choices. Advanced urban economics, including location theory, and development economics; theory and methods of economic development; rationale and forms of market interventions and the basis for structuring public-private partnerships. The course is an intellectual exchange between a market economist and a planner on how to formulate and solve urban problems.

**637 Impact Analysis (3)** Human and environmental impact analysis starts with a foundation of the social indicators of the quality of place, and methods of their measurement, including levels of service; it then explores analytical methods of development impacts, overall and distributive, on both human and non-human settlements: fiscal, economic, multi-modal transportation, environmental. A foundation in the science of ecology, briefly reviewed here and with readings, is beneficial.

**694 Research Methods (3)** Problem identification and formulation of research topic and outline. Selection and application of research methods, collection and analysis of data, and writing of report, thesis, research paper, or creative project.

#### Revised:

**303 Economic Development Studio (4)** Methods of analyzing local economic condition and performance, both qualitative and quantitative. Three local economies are examined: neighborhood, municipal, and region. Formulation of an economic development plan involving all three interacting economies and a set of policies to improve their performance. One or more sites and land uses are selected strategically toward plan implementation, and are analyzed as to their legal, market, financial and operational feasibility. The plan is mentored by, and presented to, external jurors in the field. Required for BUPD major and RED minor.

*Prerequisite:* PLAN 203; waived for minors in Real Estate Development upon permission of the instructor or department.

**441 Sustainable Housing (3)** A survey of sustainable housing typologies, with an emphasis on their design and integration into existing planning law frameworks. Includes discussion of energy ranking systems, sustainable material use, and response to local climatic and geologic conditions.

**459 International Development and Planning (3)** An exploration of the nature of the urban and regional planning process in other countries. Topics include development

policies, planning strategies, institutional structures, implementation strategies, and accomplishments. Attention also will be paid to the usefulness of these experiences to American cities.

**541 Sustainable Housing (3)** A survey of sustainable housing typologies, with an emphasis on their design and integration into existing planning law frameworks. Includes discussion of energy ranking systems, sustainable material use, and response to local climatic and geological conditions.

**559 International Development and Planning (3)** An exploration of the nature of the urban and regional planning process in other countries. Topics includes development policies, planning strategies, institutional structures, implementation strategies, and accomplishments. Attention will also be paid to the usefulness of these experiences to American cities.

**606 (501) Introduction to Urban Planning (3)** Introduces the principles, practices, and theory of contemporary urban planning. The community planning process and the substantive areas of planning practice are discussed. Students will be provided with the skills needed for the preparation and implementation of a community's comprehensive plan.

**607 (521) Urban Land-use Planning (3)** Planning the uses of land in urban areas. Land-use determinants, standards at the community level, information systems, preparation of land-use plans, and development of land-use control policies at the urban and county levels.

**630 Comprehensive Planning Studio (3)** Application of substantive skills and knowledge in a comprehensive planning exercise for an urban area, involving fieldwork and a real location. Emphasizes the process by which comprehensive planning decisions are reached.

**690 Planning Portfolio Review (0)** During the second semester of study, each student assembles a professional resume, examples of work, strategic plans for both career and internship, and an outline of a capstone project for review before a panel of faculty and for the purpose of self-assessment and faculty critique and guidance. Offered credit/no credit only.

#### Dropped:

**501 Introduction to Urban Planning (3)**

**521 Urban Land-use Planning (3)**

**610 Planning Analysis Studio (3)**

**611 Comprehensive Planning Studio (3)**

**620 Human Impact Analysis (2)**

**621 Environmental Impact Analysis (1)**

- 626 Human Settlements (1)
- 627 Ecology of Planning (1)
- 628 Economics of Planning (1)
- 695 Planning Capstone Research Methods (1)
- 696 Planning Capstone Research Methods 2 (1)
- 697 Planning Capstone Research Methods 3 (1)

MGT	243	Dynamics of Family Business (3)	
	301	International Management (3)	
	361	FDN of HR Employee Relations (3)	
	369	Management Internship (3)	
	409	Business Ethics (3)	
TDPT	161	Intro Manufacturing Industries (3)	
	280	3D Prototyping (3)	
	495	Green Prototyp Upcycl (3)	
TEDU	102	Design Techniques (3)	6
			<hr/> 72 crs

## MILLER COLLEGE OF BUSINESS

### Department of Management

#### Revised:

#### MAJOR IN ENTREPRENEURIAL MANAGEMENT (BA/BS), 72 credits

PREFIX	NO	SHORT TITLE	CREDITS
Miller College of Business core, 45 credits			
ACC	201	Principles of Accounting 1	3
	202	Principles of Accounting 2	3
BL	260	Principles of Business Law	3
ECON	201	Elementary Microeconomics	3
	202	Elementary Macroeconomics	3
	221	Business Statistics	3
FIN	300	Principles of Finance	3
ISOM	125	Micro Apps for Business	3
	210	Business Information Systems	3
	249	Foundations of Business Comm	3
	351	Operations Management	3
MATH	132	Brief Calculus	3
MGT	300	Managing Behavior in Org	3
	491	Bus Policy and Strategy Mgt	3
MKG	300	Principles of Marketing	3
			<hr/> 45 crs
Required, 21 credits			
ENT	241	The Entrepreneurial Experience	3
	341	Opportunity Identification	3
	346	Product and Service Design	3
	347	Business Model Generation	3
	441	Entrep Decision Making	3
	443	Venture Financing	3
	449	New Venture Creation	3
			<hr/> 21 crs
Electives, 6 credits from			
COMM	375	Presentational Communication (3)	
ENT	244	Social Entrepreneurship (3)	
	343	Venture Leadership (3)	

To pursue this program, students must have sufficient mathematical preparation to meet the prerequisite for ECON 221. The prerequisite for ECON 221 is a C or better grade in MATH 111 or a passing grade (D- or better) in MATH 132, 161, 162, 165, or 166 and a C or higher grade in ISOM 125. MATH 132 simultaneously substitutes for the University Core Curriculum math requirement.

## COLLEGE OF HEALTH

### School of Kinesiology

#### MINOR IN COACHING, 18 credits

##### Admission requirements

- Attain minimum overall GPA of 2.5 at time of application.
- Completion of KINE 231 with a C or better.
- Completion of at least 10 hours of field experience in competitive athletic coaching.
- Completion of Ball State University Coaching Minor application.

PREFIX	NO	SHORT TITLE	CREDITS
<u>Coaching Essentials</u>			
KINE	231	Foundations of Coaching	3
	240	Athletic Safety/Injury Prevent	3
	409	Psychological Social Issues	3
	433	Coaching Internship	3
SPTA	190	Introduction to Sport Admin	3

##### Coaching Electives

3 credits from			
AQUA	315	Water Safety Instructor (WSI) (3)	
EXSC	292	Anatomy (3)	
NUTR	275	Personal Nutrition (3)	
	340	Prin of Human Nutrition (3)	
PEP	227	Intro Adapted Physical Ed Act (3)	
	291	Motor Development and Learn (3)	3
			<hr/> 18 crs

**MINOR IN GERONTOLOGY, 21 credits**

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CREDITS</i>
12 credits from core courses			
GERO	430	Adaptations in Later Life (3)	
		or	
	440	Women and Aging (3)	3
	435	Aging in Communities	3
	445	Health Wellness and Aging	3
	499	Internship in Gerontology (1-6)	3
6 credits of electives from approved courses			
EDPS	430	Mental Health (3)	
EXSC	493	Advanced Exercise Physiology (3)	
FCFC	202	Child and Family Wellness (3)	
	250	Family Relations (3)	
GERO	415	Technology in Aging (3)	
	440	Women and Aging (3)	
HOSP	210	Customer Service (3)	
HSC	368	Consumer Health Issues (3)	
	371	Death and Dying (3)	
MKG	300	Principles of Marketing (3)	
	310	Consumer Behavior (3)	
NUTR	340	Prin of Human Nutrition (3)	
PMGT	315	Sr Housing: Dsgn, Mkg, and Mgt (3)	
POLS	350	Public Administration (3)	
SOC	341	Sociology of Hlth and Illness (3)	
	431	Aging and the Life Course (3)	6

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 18 crs
**MINOR IN WORKPLACE WELLNESS, 16 credits**

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CREDITS</i>
WWIN	201	Improving Worker Wellbeing	3
	305	Intro to WW Planning	3
	310	Workplace Wellness Admin	3
	405	Workplace Wellness Coaching	3
	498	Sr Seminar Workplace Wellness	1
Experiential Learning, 3 credits from			
WELN	325	Comm Colab Serv Lrng in Wlns (3)	
WWIN	396	Civ Engag: Workplc Wellns Prg (3)	
		or	
	397	Civ Engag: Workplc Wellns Prj (3)	3

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 16 crs
**MAJOR IN HEALTH EDUCATION AND PROMOTION (BA/BS), 72 credits**

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CREDITS</i>
ANAT	201	Fundamentals of Human Anatomy	3
HSC	160	Fundamentals of Human Health	3
	180	Principles of Community Health	3
	200	Intro to Hlth Ed and Promotion	3
	210	Health Behavior Theories	3
	220	Pop Race Cult in Hlth Promtn	3
	301	Prog Plan in Hlth Promotion 1	3
	302	Prog Plan in Hlth Promotion 2	3
	310	Healthcare Systems	3
	344	Disease Mgt in Hlth Promotion	3
	387	Quant Mthds and Epid Hlth Pro	3
	388	Org Admin in Hlth Promotion	3
	479	Internship	6
	482	Environmental Health	3
	487	Applied Res Writ Eval Hlth Pro	3
	494	Health Communication	3
	495	Prof Prep in Hlth Promotion	3
NUTR	340	Prin of Human Nutrition	3
PHYS	205	Fund of Hum Phys	3

3 credits from

EXSC	302	PA Throughout Lifespan (3)	
GERO	440	Women and Aging (3)	
HSC	365	Health and Aging (3)	
	372	Women and Health (3)	
NUTR	360	Nutr Cardiometabolic Disease (3)	
	448	Nutrition and Weight Mgmt (3)	
PSYS	324	Psychology of Women (3)	
SOC	341	Sociology of Hlth and Illness (3)	
WWIN	201	Improving Working Wellbeing (3)	3

3 credits from

CPSY	470	Cross-Cult Counseling (3)	
HOSP	395	Food and Culture (3)	
HSC	261	Health, Sex, and Family Life (3)	
PSYS	424	Psychology of Diversity (3)	
SOC	320	Social Inequality (3)	
	328	Global and the Social World (3)	
	434	Sociology of Human Sexuality (3)	
WGS	220	International Womens Issues (3)	3

3 credits from

COMM	320	Persuasion (3)	
	335	Communication and Health (3)	
CPSY	420	Psychological Interventions (3)	
EMHS	350	Haz Mat Health and Safety (3)	
	351	Intro Emergency Management (3)	
HSC	295	Rdg Tech Instr Strat in Hlth (3)	
		or	
	350	Elem Schl Hlth Prgms (3)	
MGT	300	Managing Behavior in Org (3)	
MKG	375	Social Media Marketing (3)	
WWIN	310	Workplace Wellness Admin (3)	
	405	Workplace Wellness Coaching (3)	

**Department of Nutrition and Health Science****Revised:**

3 credits from		
CPSY	400	Fundamentals of Counseling (3)
EDPS	351	Adolescent Psychology (3)
	355	Adult Psychology (3)
HSC	367	Drug Dependency and Abuse (3)
	371	Death and Dying (3)
	381	Stress Management (3)
PSYS	301	Health Psychology (3)
		3
		<hr/> 72 crs

## NUTRITION (NUTR)

### Dropped:

#### 540 Human Nutrition (3)

## Department of Social Work

## SOCIAL WORK (SOCW)

### New:

**690 Independent Study in Social Work (3-6)** Independent study of a special topic under the direction of a faculty mentor. Proposal must be approved before the start of the term. Topics may include original research, community-based project, exploration of best practices, development of a program or curriculum, grant proposal, leadership or board development plan, or development of special techniques.

*Prerequisite:* permission of supervising faculty mentor or advisor or department chairperson.

*Open only to SOCW students.*

### Revised:

**540 Research Methods and Statistics (3)** Introduces students to the scientific method as a process of knowledge development. Content helps students understand how research is used to address social problems and evaluate social work practice and programs. Content includes research ethics, connections between theory and hypothesis formulation, operationalization, research design, data collection, analysis, and report writing. Students use Excel and SPSS to test hypothesis using t-test, ANOVA, chi-square, correlation, and linear regression. Special emphasis is placed on the historic over-representation of marginalized groups in research and special protections for human subjects.

*Open only to SOCW students or by permission of the advisor or department chairperson.*

**570 Selected Aspects of Social Work (3)** Exploration of social work with selected client populations and types of practice with emphasis on individualized study, experiential learning, and group discussion. Study will focus on social work practice and social service delivery within the identified field. Topics vary by instructor and semester.

*Open only to SOCW students or by permission of the advisor or department chairperson.*

#### **602 (550) Diversity, Oppression, and Privilege (3)**

Institutionalized oppression and its implications for communication at the individual, organizational, and community level. Content emphasizes power, oppression, and privilege and the consequences of social and economic inequality. Special emphasis is placed on cross-cultural communication, cultural competency, multicultural counseling, recognizing and moderating individual biases, and communicating effectively with marginalized people. Theories of power, conflict, and restorative justice are explored.

*Open only to SOCW students or by permission of the advisor or department chairperson.*

**603 (510) Rural Social Work (3)** Provides instruction to rural communities and explores the ways to serve these communities more effectively from a strengths perspective. Topics will include social, political, economic, and cultural strengths and challenges facing rural communities. Students will explore different theoretical perspectives of rural life, ethical issues, shifting demographics, and various public health challenges for rural communities including addiction, health disparities, family violence, and elders aging in place. Students will be challenged to find innovative solutions and best practices for complex rural problems.

*Open only to SOCW students or by permission of the advisor or department chairperson.*

**610 Advanced Standing Seminar (3)** Serves as a bridge course for students entering the Advanced Standing MSW program. Students will review NASW Code of Ethics, scope of practice for graduate-level social workers, licensing requirements for clinical social work and clinical addictions, practicum preparation, professionalism, effective use of supervision, graduate writing expectations, MSW curriculum, and professional self-care.

*Open only to Advanced Standing MSW students or by permission of the advisor or department chairperson.*

**611 (500) Social Work Practice 1 (3)** Provides the foundation for social work practice using empathy, personal reflection, self-regulation, and professional self-care. Builds critical thinking and interpersonal skills as students practice engaging, assessing, intervening, and evaluating outcomes with individuals, families, and groups. Heavy emphasis on knowledge, values, and skills involved in ethical and effective social work practice.

*Open only to SOCW students or by permission of the advisor or department chairperson.*

**612 (501) Social Work Practice 2 (3)** Builds students' knowledge and experience in macro practice and the process of engaging, assessing, intervening and evaluating outcomes with organizations and communities. Builds critical thinking and leadership skills through application of theories of organizational and community change, leadership, and management. Students will explore their own personal leadership style, skills needed to supervise and manage

employees, program development and evaluation, proposal writing, financial planning, and management. Students will also learn how to identify and engage community stakeholders, map community assets, build coalitions, and leverage community resources.

*Open only to SOCW students or by permission of the advisor or department chairperson.*

**613 (600) Advanced Generalist Rural Practice 1 (3)**

Provides students with practice models compatible with an ecological systems perspective and with skills for working with individuals, families, and groups in rural communities. This is a clinical course with special emphasis on counseling addicted family systems within the complex rural environment. Content includes heavy emphasis on the National Association of Social Workers (NASW) Code of Ethics, social work and addictions licensure, and the legal, ethical, and professional standards in the practice of clinical social work and addiction counseling.

*Prerequisite:* SOCW 614 or Advanced Standing status or permission of the advisor or department chairperson.

*Parallel:* SOCW 641.

*Open only to SOCW students.*

**614 (601) Advanced Generalist Rural Practice 2 (3)**

Provides students with practice models compatible with an ecological systems perspective and with skills for working with organizations and communities in rural communities. This is a management course with special emphasis on leadership, organizational behavior, personnel and supervision, budgeting, program development, and fundraising within the complex rural environment.

*Prerequisite:* SOCW 612 or permission of the advisor or department chairperson.

*Open only to SOCW students.*

**621 (520) Social Welfare Policy and Programs (3)** A social work foundation course which provides an overview of current social welfare policy and programs. Students will examine historical, social, economic, political, organizational, environmental, and global influences on current social welfare policy and programs. Students will learn models of analysis, advocacy strategies, and their impact on vulnerable and marginalized populations.

*Open only to SOCW students or by permission of the advisor or department chairperson.*

**630 (530) Micro Perspectives of Human Behavior in the Social Environment (3)** Micro perspectives of HBSE focuses on the interaction between people and their environment with special emphasis on individuals, families, and groups. Focuses on theories related to biological, psychological, social, spiritual, and cultural processes as they develop across the life span. Special emphasis placed on traditional and non-dominant theories of identity development, traditional and non-traditional family structures, and group dynamics. Strengths, adaptation, and resilience are emphasized throughout the course.

*Open only to SOCW students or permission of the advisor or department chairperson.*

**631 (531) Macro Perspectives of Human Behavior in the Social Environment (3)** Macro perspectives of HBSE focuses on the interaction between people and their environment with special emphasis on organizations and communities. Focuses on theories of organizational behavior, management, leadership, community development, social control, and empowerment. Content focuses on traditional and non-dominant theories for generalist social work practice, particularly with organizations and communities. Special emphasis is placed on the role of leadership in the support of diverse groups and marginalized voices.

*Open only to SOCW students or by permission of the advisor or department chairperson.*

**640 Social Work Practice Evaluation and Analysis (3)**

Introduces students to the process of evaluating clinical interventions using single subject methods. The course is an applied data analysis course with significant content in research methods for evaluating addictions interventions, baseline and continuous assessment, specific single subject designs and their limitations, and the analysis of qualitative data in single subject designs. Students will practice using software for single subject analysis and will use qualitative and/or quantitative data for decision making and generation of new practice knowledge. Students will become critical consumers of practice-based research as this course places heavy emphasis on the critical evaluation of translational research, case studies, and evidence-based practices in literature.

*Prerequisite:* SOCW 663 or Advanced Standing status or permission of the advisor or department chairperson.

*Parallel:* SOCW 612.

*Open only to SOCW students.*

**641 Social Work Program Evaluation and Analysis (3)**

Social work program evaluation and analysis introduces students to the design, implementation, and analysis of formative and summative evaluations of interventions at the program level. Students will critically analyze, monitor, and evaluate interventions and programs. Special attention is placed on applying evaluation findings to improve program effectiveness and evaluating the ways programs address issues of social justice, ethics, diversity, and empowerment across diverse populations and settings. Students will use multivariate statistical tools to analyze complex problems facing a community agency and provide program recommendations to their community partner. A research paper will be completed to fulfill the Graduate School requirements for a research plan (Ball State Graduate Catalog).

*Prerequisite:* SOCW 640 or permission of the advisor or department chairperson.

*Parallel:* SOCW 613.

*Open only to SOCW students.*

**651 (672) Social Work Practice with Mental Health and Addictions (3)**

This advanced social work course prepares students with knowledge and skills to work with individuals, families, and groups with mental illness and/or substance use disorders. Outcomes include understanding service delivery



systems, regulations and licensure, clinical problems, risk assessment tools, addiction counseling theories and techniques, theory and practice of group addiction counseling, case planning, and evidence based interventions. Special knowledge and skills concerning ethical practice with rural, dual-diagnosis, and involuntary clients are emphasized.

*Prerequisite:* SOCW 663 or Advanced Standing status or permission of the advisor or department chairperson.

*Parallel:* SOCW 612.

*Open only to* SOCW students.

**652 (650) Differential Assessment in Mental Health and Addictions (3)** This advanced clinical course teaches social workers to identify major mental, developmental, personality, substance-related, and addictive disorders. Significant content includes regulatory issues, psychopathology, psychopharmacology, clinical appraisal and assessment of personal and interpersonal functioning. Special attention to the specific roles, functions, and scope of practice for clinical social workers on interprofessional teams is emphasized throughout the course.

*Prerequisite:* permission of advisor or department chairperson.

*Open only to* SOCW students.

**662 (560) Social Work Field Practicum 1 (3)** Offers an educationally focused and professionally supervised practicum placement in a social service agency at an assigned site. Students are required to spend 350 hours (22-32 hours per week) at the site over the semester and attend on-campus capstone seminars to process learning and course projects.

*Prerequisite:* SOCW 614 and 602 and 610 and 682 and 630 or permission of advisor or department chairperson.

*Parallel:* SOCW 612.

*Open only to* SOCW students.

**663 (660) Social Work Practicum 2 (3)** Offers an educationally-focused and professionally supervised practicum placement in a social service agency at an assigned site. Students are required to spend at least 350 hours (22-32 hours per week) at the site over the semester and attend on-campus capstone seminars to process learning and discuss course projects.

*Prerequisite:* SOCW 612 and 641 or permission of the advisor or department chairperson.

*Open only to* SOCW students.

**664 (661) Social Work Field Practicum 3 (3)** Offers an educationally-focused and professionally supervised practicum placement in a social service agency at an assigned site. Students are required to spend at least 350 hours (22-32 hours per week) at the site over the semester and attend on-campus capstone seminars to process learning and discuss course projects.

*Prerequisite:* permission of advisor or department chairperson.

*Parallel:* SOCW 612.

*Open only to* SOCW students.

**671 Social Work with Elders (3)** Focuses on the diverse life experiences of people aged 65 and older, their families, and communities. Examines the physical, psychological, and social aspects of aging and the impact of these changes on elders, their families, and the social systems within which they function. Special attention is paid to the social work perspective for theories of late life, needs of diverse elders and caregivers, and policies and programs which sustain and enhance the functioning and well-being of older adults.

*Open only to* SOCW students or by permission of the advisor or department chairperson.

**674 Social Work in Health Care (3)** Explores the central contribution of social work in comprehensive health care delivery, both traditional and alternative. Students learn career options and professional roles of social workers on inter-professional teams and the psychological effects of wellness, illness, disability, and death. Significant emphasis is placed on health care policy, regulatory issues in health care, social determinants of health, health disparities, social work ethics, and the primary social work role as advocate for marginalized people.

*Open only to* SOCW students or by permission of the advisor or department chairperson.

**680 (670) Social Work Leadership and Administration (3)** Examines leadership and the organizational context of social work practice. Focus on organizational adaptability and leadership roles at all levels in non-profit, health, and human service organizations. Leadership issues in supervision, conflict resolution, inter-organizational relations, finance, grant writing, budgeting, program development, and evaluation are emphasized. Topics will be adapted to the specific needs of students with respect to their areas of study with vulnerable populations.

*Prerequisite:* SOCW 613 or permission of advisor or department chairperson.

*Open only to* SOCW students.

**681 (673) Social Work Practice with Children and Families (3)** An advanced social work course which prepares students with knowledge and skills to work with children and families, especially in those cases involving trauma. Understanding child and family trauma, effects of addiction and violence, service delivery systems, and evidence-based interventions are emphasized. Risk assessment tools, forensic and clinical interviewing skills, treatment methods, case planning, and management are explored. Significant time is spent practicing engagement, assessment, intervention, and evaluating outcomes in this applied skills course. Professional use of self, self-care, supervision, and skill development are also emphasized.

*Prerequisite:* SOCW 612 and 641 or permission of advisor or department chairperson.

*Open only to* SOCW students.

**682 (620) Advanced Social Welfare Policy and Programs (3)** An advanced social work course which will provide students with advanced knowledge of public policies and advocacy for social change in their area of interest. Emerging

issues and the impact of current events on populations of interest will be examined. Students will learn the process of creating and changing policy at the agency, community, and legislative level and the effect of interest and the advocacy groups. Students will learn the tools to communicate with stakeholders about the implications of policies and policy change in the service delivery process and will provide leadership in the analysis, formulation, and advocacy for policies that advance human rights, social, economic and environmental justice.

*Prerequisite:* Advanced Standing status or permission of advisor or department chairperson.

*Open only to SOCW students.*

### **Dropped:**

**500 Social Work Practice 1 (3)**

**501 Social Work Practice 2 (3)**

**510 Rural Social Work (3)**

**520 Social Welfare Policy and Programs (3)**

**530 Micro Perspectives of Human Behavior in the Social Environment 1 (3)**

**531 Macro Perspectives of Human Behavior in the Social Environment 2 (3)**

**550 Diversity, Oppression, and Privilege (3)**

**560 Social Work Field Practicum 1 (3)**

**600 Advanced Generalist Rural Practice 1 (3)**

**601 Advanced Generalist Rural Practice 2 (3)**

**620 Advanced Social Welfare Policy Programs (3)**

**650 Differential Assessment in Mental Health and Addictions (3)**

**660 Social Work Practicum 2 (3)**

**661 Social Work Field Practicum 3 (3)**

**670 Social Work Leadership and Administration (3)**

**672 Social Work Practice in Mental Health and Addictions (3)**

**673 Social Work Practice in Child Welfare (3)**

## **COLLEGE OF SCIENCES AND HUMANITIES**

### **Department of Anthropology**

#### **Revised:**

#### **MINOR IN ANTHROPOLOGY, 18 credits**

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CREDITS</i>
6 credits from			
ANTH	101	Intro to Cultural Anthropology (3)	
	103	Archaeology and Culture (3)	
	105	Introduction Biological Anth (3)	
	111	Anth of Everyday Life (3)	6

Complete 3 credits of methods from Area A, B, or C

#### *Area A: Archaeology*

ANTH	313	Fundamentals of Archaeology (3)
	429	Lab Methods in Material Cult (3)
	457	Applied Archaeology (3)
	463	Theor and Meth Hist Arch (3)

#### *Area B: Biological*

ANTH	416	Human Osteology (3)
	417	Forensic Anthropology (3)
	427	Culture and Medicine (3)

#### *Area C: Cultural*

ANTH	314	Applied Anthropology (3)
	409	Digital Anthropology (3)
	459	Ethnographic Methods (3)

Complete 9 credits of anthropology directed electives from areas A, B, or C

#### *Area A: Archaeology*

ANTH	310	Topics in Old World Prehistory (3)
	343	Hist Arch of Eastern US (3)
	364	European Prehistory (3)
	420	Topics in New World Arch (3)
	429	Lab Methods in Material Cult (3)
	434	Midwestern Archaeology (3)
	457	Applied Archaeology (3)
	463	Theor and Meth Hist Arch (3)

#### *Area B: Biological*

ANTH	315	Human Paleontology (3)
	405	Human Biological Variation (3)
	406	Life History Theory of Growth (3)
	416	Human Osteology (3)
	417	Forensic Anthropology (3)
	427	Culture and Medicine (3)
	455	Primatology (3)
	462	Special Topics in Bio Anth (3)

## Area C: Cultural

ANTH	231	Intro Native American Studies (3)
	241	Gender, Sex, & Sexuality (3)
	242	Folklore and Folklife (3)
	314	Applied Anthropology (3)
	308	Intro Anth Linguistics (3)
	311	Ethnicity and Race (3)
	312	Ecological Dim of Culture (3)
	342	Anth of the United States (3)
	409	Digital Anthropology (3)
	432	Native Amers of East Woodlands (3)
	451	Witchcraft, Magic, and Relig (3)
	452	Anthropology of Technology (3)
	471	Ethnohistory (3)

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 18 crs

## ANTHROPOLOGY (ANTH)

## New:

**602 Quantitative Research Methods in Anthropology (3)**

An introduction to probability theory and basic methods of analysis in anthropology through a graduate level survey.

*Prerequisite:* undergraduate anthropology major or minor; admission to anthropology graduate program or permission of the instructor.

**606 Ethnographic Methods and Qualitative Research in Anthropology (3)** Provides training in ethnographic methods and a survey of other qualitative research methods as they apply to the following sub-disciplines in anthropology: archaeology, biological anthropology, and cultural anthropology.

*Prerequisite:* undergraduate anthropology major or minor; admission to anthropology graduate program or permission of the instructor.

## Revised:

**111 Anthropology of Everyday Life (3)** Examines what anthropology can teach us about everyday life in a diverse world. Explores how societies and individuals are affected by increasing contact between people of different cultures. It takes historical and cross-cultural perspectives on the human condition and the cultural adaptations required in a changing world.

**241 (441) Gender, Sex, and Sexuality (3)** Provides an introduction to the study of sex, gender, and sexuality in anthropology. Examines sex, gender, and sexuality through cross-cultural case studies from around the world. Explores different theoretical models that anthropologists use to understand the role of gender, sex, and sexuality in different contexts. Studies various manifestations of masculinity and

femininity around the globe as they relate to power, political economy, and identity (e.g. race, ethnicity, sexuality, religion).  
*Not open to students who have credit in ANTH 441.*

**311 Ethnicity and Race (3)** Explores the concepts of ethnicity and race and how they shape the interaction between individuals and groups in complex societies. Devotes particular attention to the United States, but also examines these social constructs in other parts of the world.

*Prerequisite:* AFAM 100, ANTH 101, ANTH 111, or WGS 210 or permission of the instructor.

**313 (204) Fundamentals of Archaeology (3)** Introduces the types of data dealt with by archaeology, approaches to data recovery, methods of analysis, and problems of interpretation. The differing problems of traditional research archaeology and modern archaeological resources management are considered.

*Prerequisite:* ANTH 103 or permission of the instructor.

**314 (407) Applied Anthropology (3)** Investigates the social problems and work that engage the attention of anthropologists outside the university setting. Examination of the skills needed to supplement those traditionally taught in anthropology.

*Prerequisite:* ANTH 101 or 111 or permission of the instructor.

**342 Anthropology of the United States (3)** Examines the values, beliefs, and experiences of different groups of people in the United States through the lens of identity (how one views oneself), identification (how others view that individual), and inequality. Explores contemporary intersections of race, class, gender, religion, sexuality, and/or political ecology, as well as historical influences on those categories, like colonialism. Addresses how different groups work to challenge inequality, develop resilience, and build solidarity in the nation.

*Prerequisite:* AFAM 100, ANTH 101, ANTH 111, or WGS 201 or permission of the instructor.

**406 Life History Theory of Growth, Maintenance, and Reproduction (3)** Life history approach to human physical growth and development, somatic maintenance, and reproduction; its regulation, variation, and assessment in different places.

*Prerequisite:* ANTH 105 or permission of the instructor.

**432 (332) Native Americans of the Eastern Woodlands, 16<sup>th</sup>-20<sup>th</sup> Century (3)** Provides an ethnohistorical overview of North America's Eastern Woodlands from first encounters between indigenous people, Europeans and Africans to the 20<sup>th</sup> century. Covers indigenous cultural diversity at the time of contact and the social, environmental, economic and political dimensions of early colonialism, enslavement and settler colonialism in the region.

*Prerequisite:* ANTH 101 or permission of the instructor.

**445 Archaeological Field School (3-6)** Designed to provide students with the practical application of archaeological methods, techniques, and strategies in a field setting. Students

will participate in a supervised investigation of a formal archaeological problem at an actual archaeological site or at an experimental site.

*Prerequisite:* permission of the instructor.

A total of 6 credits may be earned.

**450 Ethnographic Field School (3-6)** An intensive immersion in the methods of field research in cultural anthropology. Emphasizes problem formulation, observation, interviewing, writing, and interpretation of field data. Field schools are intended to provide specific skills that result in an ethnographic report.

*Prerequisite:* an introductory and upper division course in cultural anthropology; permission of the instructor.

A total of 6 credits may be earned.

**532 Native Americans of the Eastern Woodlands, 16<sup>th</sup>-20<sup>th</sup> Century (3)** Provides an ethnohistorical overview of North America's Eastern Woodlands from first encounters between indigenous people, Europeans and Africans to the 20<sup>th</sup> century. Covers indigenous cultural diversity at the time of contact and the social, environmental, economic and political dimensions of early colonialism, enslavement and settler colonialism in the region.

*Not open to students who have credit in ANTH 332.*

**550 Ethnographic Field Study (3-6)** An intensive immersion in the methods of field research in cultural anthropology. Emphasizes problem formulation, observation, interviewing, writing, and interpretation of field data. Field Schools are intended to provide specific skills that result in an ethnographic report. Only three (3) credits will count towards the research focus area electives.

*Prerequisite:* permission of the instructor.

A total of 6 credits may be earned.

**600 Proposal Writing and Professional Development (3)** Provides students with guidance through the proposal writing process. Also provides students with professional development, such as: finding an internship, developing a professional network, creating a professional curriculum vita/resume and other skills for the workforce.

*Prerequisite:* undergraduate anthropology major or minor; admission to anthropology graduate program or permission of the instructor.

**601 Topics in Contemporary Applied Cultural Anthropology (3)** Provides an overview of the application of social theory to the field of anthropology in order to investigate problems in contemporary society with an emphasis on applied cultural anthropology. May include topics such as the overview of the history of theory in anthropology and contemporary theoretical approaches to race, ethnicity, nation, gender, sexuality, political economy, religion, the environment, and the state.

*Prerequisite:* undergraduate anthropology major or minor; admission to anthropology graduate program or permission of the instructor.

**603 Anthropological Archaeology Seminar (3)** Seminar focusing on theory, methods, explanations, and interpretations used by anthropologically trained archaeologists to explore contemporary scholarly research topics in archaeology. Knowledge and skills needed to conduct research relevant to students pursuing careers in both applied and academic archaeology will be developed.

*Prerequisite:* undergraduate anthropology major or minor; admission to anthropology graduate program or permission of the instructor.

**605 Applications of Biological Anthropology (3)** Provides an overview of the application of biological anthropology to investigate problems in contemporary society. May include topics such as medical anthropology, human growth and development, forensic anthropology, bioarchaeology, primate conservation, statistical applications, and biomedical anthropology.

*Prerequisite:* undergraduate anthropology major or minor; admission to anthropology graduate program or permission of the instructor.

**641 (541) Anthropology of Gender (3)** Examines how gender, culture, power and approaches to the body intersect in different times and places around the globe. Course topics include theories of gender and feminism, the politics of reproduction, globalization and migration, violence, sexuality and gender, work and/or human welfare.

*Not open to students who have credit in ANTH 441 or 541.*

## Dropped:

**204 Fundamentals of Archaeology (3)**

**321 Social Organization (3)**

**330 Special Topics in Native American Cultures (3-6)**

**331 Native Americans of North America (3)**

**332 Native Americans of the Great Lakes (3)**

**370 Topics in Old World Cultures (3-6)**

**377 Topics in Museum Operations (3-6)**

**380 Topics in New World Cultures (3-6)**

**390 Honors Colloquium in Anthropology (1-3)**

**404 History of Archaeology (3)**

**407 Applied Anthropology (3)**

**440 Anthropological Field Trip (3-6)**

**441 Anthropology of Gender (3)**

**460 Special Topics in Cultural Anthropology (3-6)**

- 461 Special Topics in Archaeology (3-6)
- 481 Culture, Economy, and Development (3)
- 482 Native Americans of the American Southwest (3)
- 521 Social Organization (3)
- 537 Contemporary Problems of the Native Americans (3)
- 541 Anthropology of Gender (3)
- 570 Topics in Regional Ethnography (3)
- 581 Culture, Economy, and Development (3)
- 582 Native Americans of the American Southwest (3)

- 3-5 credits from lab science:
- BIO 111 Principles of Biology 1 (4)  
or
  - CHEM 111 General Chemistry 1 (4)  
or
  - GEOL 201 Earth, Life, and Time (3)  
or
  - PHYC 110 General Physics 1 (4)  
or
  - 120 General Physics 1 (5) 3-5

## Department of Computer Science

### Revised:

**MAJOR IN COMPUTER SCIENCE (BA/BS),  
63-68 credits**

PREFIX	NO	SHORT TITLE	CREDITS
CS	120	Comp Sci 1: Prog Fundamentals	4
	121	Computer Science 2	4
	222	Advanced Programming	3
	224	Des and Analy of Algorithms	3
	230	Computer Org and Arch	3
	239	Social and Professional Issues	1
	380	Theory of Computation 1	3
	416	Computer Networks	3
	418	Database Design	3
	419	Operating Systems	3
	431	Programming Languages	3
	495	Software Engineering 1	3
	498	Software Engineering 2	3

9-12 credits from

CS	124	Discrete Structures (3)	
		or	
MATH	215	Discrete Systems (4)	3-4
MATH	161	Applied Calculus 1 (3)	
		or	
	165	Calculus 1 (4)	3-4
MATH	181	Elementary Probability Stats (3)	
		or	
	221	Probability and Statistics (3)	
		or	
	321	Mathematical Statistics (4)	
		or	
ECON	221	Business Statistics (3)	3-4

9-12 crs

Electives, 12 credits from

CS	315	Game Programming (3)	
	369	Professional Experience 1 (1-3)	
	410	Web Programming (3)	
	411	Mobile Application Dev (3)	
	420	Multitier Web Architectures (3)	
	421	Data Analytics (3)	
	439	Current Topics Seminar in CS (3-6)	
	445	Human-Computer Interaction (3)	
	446	System Administration (3)	
	447	Network Security (3)	
	455	Data Mining (3)	
	456	Image Processing (3)	
	490	Software Production Studio (3-6)	
	499	Independent Study (1-6)	
MATH	415	Coding and Communication (3)	12

63-68 crs

## COMPUTER SCIENCE (CS)

### Revised:

**120 Computer Science 1: Programming Fundamentals (4)**  
Introduction to programming through media computing. Learn basic programming techniques while manipulating image and audio data at the pixel and sound sample level. Topics include control structures, built-in data structures, simple sorting and searching, and procedural abstraction. Required open-lab and closed-lab assignments bring theory to practice.

*Prerequisite:* MATH 108; MATH 111 or 112 or 132 or 136 or 161 or 165 or SAT Math score of 550 or ACT Math score of 22 or ALEKS math placement score of 46.

**121 Computer Science 2: Data Structures and Objects (4)**  
Continuation of Computer Science 1. Strong emphasis on object-oriented paradigm and related problem-solving skills. Topics include recursion, dynamic data structures and related algorithms, efficient sorting and searching, file processing, and reusing standard libraries and packages in chosen object-oriented environment. Open-lab and closed-lab assignments are required.

*Prerequisite:* CS 120.

**124 Discrete Structures (3)** Introduction to topics in discrete structures for computer science majors. Topics include propositional and predicate logic, sets, induction, recursion,

functions, combinations, permutations, and Boolean algebra. Applications of these topics to computer science are discussed.  
*Prerequisite or parallel:* CS 120.

**230 Computer Organization and Architecture (3)**

Exploration of computer organization and architecture. Topics include: computers' functional components and their characteristics, performance, and interactions; instruction set architectures; and system architecture.

*Prerequisite:* CS 121 and either CS 124 or MATH 215.

**Department of English**

**Revised:**

**MAJOR IN ENGLISH (BA), 36 credits**

*Applied linguistics, 36 credits*

This program is designed to provide a foundation in the structure of language and its role in culture and communication. It is designed for students seeking careers in global settings, including teaching English abroad, as well as graduate studies in linguistics and related fields. Four semesters (or the equivalent) of a modern or classical language at the college level are required.

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CREDITS</i>
Required courses, 18 credits			
ENG	220	Language and Society	3
	320	Intro to Linguistics Science	3
	321	English Linguistics	3
	332	Phonetics and Phonology	3
	436	Theory and Research in TESOL	3
	444	Senior Seminar	3
Electives, 18 credits from the following			
ANTH	101	Intro to Cultural Anthropology (3)	
AR	334	Ethnic Culture Ling Arab (3)	
COMM	290	Intercultural Communication (3)	
CS	120	Comp Sci 1: Prog Fundamentals (4)	
ENG	205	World Literature (3)	
	210	Intro to Rhet and Writing (3)	
	213	Intro to Digital Literacies (3)	
	230	Reading and Writing about Lit (3)	
	322	Lang and Cross-Cultural Comm (3)	
	323	Discourse Struc and Strategies (3)	
	328	Language and Gender (3)	
	335	Writ and Read Public Discourse (3)	
	400	Special Topics in English (3)	
FR	337	Phonetics (3)	
GER	337	Phonetics (3)	
JAPA	337	Japanese Linguistics (3)	
SP	337	SP Phonetics and SLA (3)	
	340	Survey in Spanish Linguistics (3)	
SPAA	260	Speech Acoustics (3)	
	270	Language Development (3)	18

36 crs

ENG 436 will be double-counted for the TESOL minor and the English BA with applied linguistics concentration major. Students need to choose ENG 438 and ENG 457 for electives in order to fulfill the credit requirements. If students have not taken ENG 322 as an elective for the major, they may take ENG 322 as an elective for the minor. The minor in Linguistics and Global Communication is not available to students who are majoring in this concentration.

*English studies, 36 credits*

This program is designed to provide a foundation in the full range of subjects within English studies: literature, rhetoric, writing, linguistics, and creative writing. It is designed for students seeking a broad liberal education but not necessarily planning to pursue graduate studies in English. Four semesters (or the equivalent) of a modern or classical language at the college level are required.

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CREDITS</i>
ENG	210	Intro to Rhet and Writing	3
	220	Language and Society	3
	230	Reading and Writing About Lit	3
	285	Intro to Creative Writing	3
	444	Senior Seminar	3
3 credits from Creative writing course			3
3 credits from Linguistics course			3
3 credits from Literature course			3
3 credits from Rhetoric/Writing course			3
9 credits of English electives from courses numbered 300 or above			9
			36 crs

Electives may not include WPP 392, 393, or any course specially designed for teacher preparation: ENG 150, 350, 395. May include only 3 credits of ENG 369.

*Creative Writing, 36 credits*

This program is designed to equip students with the writing and creative thinking skills necessary for graduate study and a variety of writing-intensive careers. Courses in fiction, poetry, screenwriting, creative nonfiction, literature, service learning, and literary editing offer students a balanced liberal and professional education. Four semesters (or the equivalent) of a modern or classical language at the college level are required.

ENG	230	Reading and Writing About Lit	3
	285	Intro to Creative Writing	3
	405	Spec Topics Creative Writing	3
	444	Senior Seminar	3

15 credits from creative writing classes, including at least 6 credits from courses numbered 406 and above.

ENG 306	Creative Nonfiction Writing (3)		498	Studies in Global Literature (3)	3
307	Fiction Writing (3)				
308	Poetry Writing (3)				
310	Screenwriting (3)				
406	Adv CNf Writing (3)				
407	Adv Fiction Writing (3)				
408	Adv Poetry Writing (3)				
409	CW in the Community (3)				
410	Adv Screenwriting (3)				
489	Prac in Lit Edit and Publish (3)	15			
3 credits from literature courses numbered 300-399		3			
3 credits from literature courses numbered 400-499		3			
3 credits from English course numbered 205 or higher, excluding creative writing courses, ENG 206, and any course specially designed for teacher preparation: ENG 150, 350, 395.		3			
		36 crs			

1 course at the ENG 400-level					
ENG 400	Special Topics in English (3)				
402	Cultural Studies (3)				
421	Studies in Literary History (3)				
422	Studies: Authors (3)				
423	Studies in Drama (3)				
424	Genre Studies (3)				
425	Film Studies (3)				
464	Shakespeare (3)				
496	Literary and Critical Theory (3)				
497	Studies: Lit in Translation (3)	3			
Electives					
Two elective courses in English numbered 205 and above. May not include ENG 206 or any course specially designed for teacher preparation: ENG 150, 350, 395. May include 3 credits of ENG 369.		6			
		36 crs			

### Literature, 36 credits

This program is designed to provide a foundation in the methods of and contexts for literary study, to sharpen students' analytical and communicative skills, and to prepare students for a variety of academic and professional opportunities. Four semesters (or the equivalent) of a modern or classical language at the college level are required.

ENG 230	Reading and Writing About Lit	3
444	Senior Seminar	3

### Distribution requirements

3 courses from British literature (one pre-1800 required)

ENG 260	British Lit 1: Beg to 1780 (3)	
280	British Lit 2: 1780 to Pres (3)	
362	Medieval British Literature (3)	
363	Ren and 17th Cen Brit Lit (3)	
364	Rest and 18th Cen Brit Lit (3)	
365	19th Cen Brit Lit (3)	
366	Brit Lit 1900-1945 (3)	
367	Contemporary Brit Lit (3)	
or appropriate ENG 400-level offerings		9

3 courses from American literature (one pre-1900 required)

ENG 240	American Lit 1: Beg to 1860 (3)	
250	American Lit 2: 1860 to Pres (3)	
345	Early American Lit (3)	
346	19 <sup>th</sup> -Century American Lit (3)	
347	20 <sup>th</sup> -Century Amer Lit (3)	
351	21 <sup>st</sup> -Century Amer Lit (3)	
or appropriate ENG 400-level offerings		9

1 course from diverse literature

ENG 490	Literature and Gender (3)	
491	Lit of African American Trad (3)	
492	Native American Literature (3)	
493	American Ethnic Literature (3)	
494	Queer Lit and Queer Theory (3)	

### Rhetoric and Writing, 36 credits

This program introduces students to rhetoric as the theory and practice of discourse; it is especially relevant for students planning further academic or professional studies. Four semesters (or the equivalent) of a modern or classical language at the college level are required.

ENG 210	Intro to Rhet and Writing	3
213	Intro to Digital Literacies	3
231	Professional Writing	3
303	History of Rhetoric	3
335	Writ and Read Public Discourse	3
435	Issues in Rhet and Writing	3
444	Senior Seminar	3

ENG 104 or 114 are prerequisites for ENG 210, 213, 231, 303, 335, and 435. Students must take ENG 210 prior to taking ENG 303.

9 directed elective credits from the following courses (no more than 3 credits from ENG 369):

COMM 310	Communication and Democracy (3)	
320	Persuasion (3)	
322	Comm and Popular Culture (3)	
385	Rhet of Marginalized Voices (3)	
412	Rhetorical Thry and Criticism (3)	
ENG 306	Creative Nonfiction Writing (3)	
329	Editing and Style (3)	
369	Professional Experience (3)	
389	Practicum Peer Tutoring (3)	
430	Document Design (3)	
431	Rhet Writ and Emerging Media (3)	9

Students must take COMM 210 prior to taking COMM 310 or COMM 320. Students must take COMM 320 prior to taking COMM 412.

Electives

Two elective courses in English numbered 205 and above. May not include ENG 206, or any course specifically designed for teacher preparation: ENG 150, 350, and 395.

6

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 36 crs

## ENGLISH (ENG)

### New:

**487 Digital Literature Review: Immersive (3)** Immersive learning course in which students create the next issue of the Digital Literature Review, an undergraduate research journal in literature and cultural studies that covers a special topic each year. Students will work on individual research projects related to the special topic as well as work on teams to edit, design, and promote the Digital Literature Review and its accompanying blog.

*Prerequisite:* ENG 230 and permission of the instructor.  
A total of 6 credits may be earned, but no more than 3 in any one semester or term.

### Revised:

**345 Early American Literature (3)** Examination of a range of authors, genres, movements, and/or ideas in early American literature.

*Prerequisite:* ENG 206 or 230, or permission of the department chairperson.

**346 Nineteenth-Century American Literature (3)** Examination of a range of authors, genres, movements, and/or ideas in nineteenth-century American literature.

*Prerequisite:* ENG 206 or 230, or permission of the department chairperson.

**347 Twentieth-Century American Literature (3)** Examination of a range of authors, genres, movements, and/or ideas in twentieth-century American literature.

*Prerequisite:* ENG 206 or 230, or permission of the department chairperson.

**350 Teaching Writing in Secondary Schools (3)** Concentrates on materials, methods, and resources used in teaching composition and the use of performance assessments in the English Language Arts classroom. Additional focus on technology and multimedia in practice, introduction to pedagogical practices and curriculum development. Required of teaching majors; may not be applied toward other departmental programs.

*Prerequisite:* permission to enroll in 300-/400-level professional education courses.

*Parallel:* EDJH 385.

**351 Twenty-First-Century American Literature (3)** Examination of a range of authors, genres, movements, and/or ideas in twenty-first-century American literature.

*Prerequisite:* ENG 206 or 230, or permission of the department chairperson.

**641 Early American Literature (3)** Examination of a range of authors, genres, movements, and/or ideas in early American

literature. Attention will also be given to cultural, political, and intellectual contexts, and to current scholarship on the period.

*Prerequisite:* permission of the department chairperson.

A total of 6 credits may be earned, but no more than 3 in any one semester or term.

**642 Nineteenth-Century American Literature (3)** Examination of a range of authors, genres, movements, and/or ideas in nineteenth-century American literature. Attention will also be given to cultural, political, and intellectual contexts, and to current scholarship on the period.

*Prerequisite:* permission of the department chairperson.

A total of 6 credits may be earned, but no more than 3 in any one semester or term.

**644 Twentieth-Century American Literature (3)** Examination of a range of authors, genres, movements, and/or ideas in twentieth-century American literature. Attention will also be given to cultural, political, and intellectual contexts, and to current scholarship on the period.

*Prerequisite:* permission of the department chairperson.

A total of 6 credits may be earned, but no more than 3 in any one semester or term.

**645 Twenty-First-Century American Literature (3)** Examination of a range of authors, genres, movements, and/or ideas in twenty-first-century American literature. Attention will also be given to cultural, political, and intellectual contexts, and to current scholarship on the period.

*Prerequisite:* permission of the department chairperson.

A total of 6 credits may be earned, but no more than 3 in any one semester or term.

### Dropped:

**520 Introduction to Linguistics (3)**

## Department of Geography

### Revised:

**MAJOR IN GEOGRAPHY (BA/BS), 51-60 credits**

Recommended minors for all concentrations include anthropology, history, natural resources, and environmental management.

PREFIX	NO	SHORT TITLE	CREDITS
Core requirements, 15 credits			
GEOG	101	Earth Sea Sky: Geographic View	3
	150	Global Geography	3
	240	Maps and Spatial Reasoning	3
	250	Spatial Analytical Methods	3
	265	Intro Geographic Info Systems	3

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15 crs

*Concentration 2: Travel and tourism, 45 credits*

GEOG	121	Geog of Cultural Environment	3
	261	Intro to Sustainable Tourism	3
	262	Tourism Regions	3
	360	Tours and Meetings Management	3
	369	Professional Experience (3-6)	
	or		
	479	Practical Experience (3-6)	3
	460	Travel and Tourism Consulting	3
	491	Sustainable Tourism Develop	3

12 credits from

GEOG	323	Tourism and Geography of Food (3)	
	or		
HOSP	395	Food and Culture (3)	
HOSP	250	Lodging Management (3)	
	376	Intro Event Management (3)	
MGT	300	Managing Behavior in Org (3)	
	or		
MKG	300	Principles of Marketing (3)	
NREM	371	Outdoor Recreation and Socy (3)	
	or		
	392	Environmental Interpretation (3)	
	or		
	473	Outdr Recreation Plan and Adm (3)	
SOC	312	Leisure (3)	12

6 credits from

GEOG	350	Geog United States and Canada (3)	
	351	Latin American and Caribbean (3)	
	353	Geography of Indiana (3)	
	354	Geography of Asia (3)	
	356	Geog Russia and Its Neighbors (3)	
	357	Geography of Europe (3)	
	480	Distant Areas Field Studies (3)	6

6 credits from

GEOG	120	Economic Geog of Globalization (3)	
	270	Geog of International Conflict (3)	
	320	Immig and Ethnic Geog of US (3)	
	321	Urban Geography (3)	
	340	Cartograp Visual Spatial Data (3)	
	423	Population Geography (3)	
	470	Political Geography (3)	
	480	Distant Areas Field Studies (3)	
METC	230	Elementary Meteorology (3)	
	331	Global Climatology (3)	
	334	Atmospheric Hazards (3)	9
			<hr/>
			60 crs

Recommended minors for concentration 2 include modern languages and classics, hospitality management, natural resources and environmental management, and any business or area studies. Students considering MGT 300 or MKG 300 are advised to take ECON 116 or 201 as the UCC Tier 1 Domain Social Sciences requirement. These two courses are also prerequisites for any business major/minor.

**Department of Modern Languages and Classics**

**Revised:**

**MAJOR IN CLASSICAL CULTURE (BA/BS), 33-37 credits**

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CREDITS</i>
6 credits of LAT or 10 credits of AR at the college level or the equivalent			6-10
CC	201	Cultural Life Ancient Greece	3
	202	Cultural Life Ancient Rome	3
	301	Classical Lit in English Trans (3-6)	3
	305	Classical Myth and Theory	3

15 credits from CC, AR, LAT or from approved courses on the cultures of the ancient Mediterranean in other disciplines. At least 9 of the 15 credits must be from 300- and 400-level courses.

15  

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33-37 crs

**MINOR IN CLASSICAL CULTURE, 15 credits**

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CREDITS</i>
CC	301	Classical Lit in English Trans (3-6)	3
	305	Classical Myth and Theory	3

9 credits from CC, AR, and LAT courses

9  

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15 crs

**TEACHING MAJOR IN FOREIGN LANGUAGE: LATIN (BA/BS), 82 credits**

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CREDITS</i>
CC	202	Cultural Life Ancient Rome	3
	301	Classical Lit in English Trans (3-6)	3
LAT	101	Beginning Latin 1	3
	102	Beginning Latin 2	3
	201	Intermediate Latin 1	3
	202	Intermediate Latin 2	3

12-15 credits from 300- and 400-level LAT courses

9-12 credits from CC or AR courses

12-15  
9-12  

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42 crs

**SENIOR HIGH, JUNIOR HIGH/MIDDLE SCHOOL EDUCATION PROGRAM**

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CREDITS</i>
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*Professional education sequence, 40 credits*

EDFO	420	Soc, Hist, Phil Found of Ed	3
EDJH	385	Prin of Tchng in Mid Schl	3
EDMU	205	Intro to Multicul Ed	3
EDPS	251	Development Secondary	3
	390	Educational Psychology	3
EDSE	380	Princ of Tchng in Sec School	3
FL	150	Intro to Teaching WL	3
	295	FL Field Experience	1
	395	WL Methods, Reading, Materials	3
	396	Tech and Assessment in WLE	3
Student teaching			12
			<hr/>
			40 crs

		or		
HONR	499	Seniors Honors Project (3)		3
				<hr/>
				61 crs
		Electives, 6-7 credits from the following:		
PHYC	336	Computational Physics (3)		
	340	Physical Optics (3)		
	354	Electronics 1 (4)		
	434	Thermal Physics (3)		
	450	Electricity and Magnetism 1 (3)		6-7
				<hr/>
				67-68 crs

**Dropped:****MAJOR IN CLASSICAL LANGUAGES (BA/BS),  
33-39 credits****MINOR IN CLASSICAL LANGUAGES, 15-21 credits****Suspended:****MINOR IN ARABIC, 27 credits****Department of Physics and Astronomy****Revised:****MAJOR IN ASTRONOMY (BA/BS), 67-68 credits**

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CREDITS</i>
Common core, 60 credits			
ASTR	120	The Sun and Stars	3
	122	Stel Evol, Galaxies, and Cosmo	3
	330	Astronomy and Astrophysics 1	4
	332	Astronomy and Astrophysics 2	4
	380	Topics in Modern Astronomy (2)	4
	386	Adv Observational Astronomy	3
MATH	165	Calculus 1	4
	166	Calculus 2	4
	267	Calculus 3	4
PHYC	118	Expl in Phy Sci and Eng	2
	120	General Physics 1	5
	122	General Physics 2	5
	260	Introduction to Modern Physics	4
	330	Mechanics	3
	464	Intro to Quant Mech	3
	483	Seminar in Physics (1-2)	2
	485	Meas of Lrng in Physics	1
	482	Independent Studies in Physics (1-3)	
	or		
	369	Professional Experience (1-3)	
	or		
	479	Practical Experience (1-3)	

**MAJOR IN PHYSICS (BA/BS), 57-60 credits**

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CREDITS</i>
MATH	165	Calculus 1	4
	166	Calculus 2	4
	267	Calculus 3	4
PHYC	118	Expl in Phy Sci and Eng	2
	120	General Physics 1	5
	122	General Physics 2	5
	260	Introduction to Modern Physics	4
	262	Modern Physics Laboratory	2
	330	Mechanics	3
	434	Thermal Physics	3
	450	Electricity and Magnetism 1	3
	464	Intro to Quant Mech	3
	483	Seminar in Physics (1-2)	2
	485	Meas of Lrng in Physics	1
	482	Independent Studies in Physics (1-3)	
	or		
	369	Professional Experience (1-3)	
	or		
	479	Practical Experience (1-3)	
	or		
HONR	499	Senior Honors Project (3)	3

Any 3 300-level or 400-level courses in APHY, ASTR, and/or PHYC may be approved as electives

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57-60 crs

**MAJOR IN PRE-ENGINEERING PREPARATION  
(BA/BS), 63 credits**

<i>PREFIX</i>	<i>NO</i>	<i>SHORT TITLE</i>	<i>CREDITS</i>
CHEM	111	General Chemistry 1	4
	112	General Chemistry 2	4
CS	120	Comp Sci 1: Prog Fundamentals	4
MATH	165	Calculus 1	4
	166	Calculus 2	4
	217	Linear Algebra	4
	267	Calculus 3	4
PHYC	118	Expl in Phy Sci and Eng	2

	120	General Physics 1	5
	122	General Physics 2	5
	260	Introduction to Modern Physics	4
	262	Modern Physics Laboratory	2
	330	Mechanics	3
	354	Electronics 1	4
	356	Electronics 2	4
	482	Independent Studies in Physics (1-3)	
	or		
	369	Professional Experience (1-3)	
	or		
	479	Practical Experience (1-3)	
	or		
HONR	499	Senior Honors Project (3)	3
TDPT	105	Technical Design Graphics (3)	
	or		
TEDU	102	Design Techniques (3)	3
			_____
			63 crs

To begin this program it is expected that students will have completed high school mathematics courses equivalent to the prerequisite for MATH 165.

## PHYSICS (PHYC)

### New:

#### 118 Explorations in Physical Science and Engineering (2)

Introduction to knowledge and skills essential for the successful completion of undergraduate programs in astronomy, physics, physics teaching, and pre-engineering preparation. Interactive lectures and laboratory investigations will provide experiences in designing, conducting, analyzing, and reporting scientific investigations; the engineering design process; the development and interpretation of scientific models; the mathematical skills necessary for success in physical science and engineering; the exploration of issues related to the nature of science; and opportunities for research within the department and future careers.

### Revised:

**262 Modern Physics Laboratory (2)** Classic experiments such as the Cavendish measurement of G, determination of Planck's Constant, Rutherford Scattering, Millikan Oil Drop Experiment, Franck-Hertz Experiment, and the Hall Effect will be performed. Use of computer software for report generation will be stressed.

*Prerequisite:* PHYC 260.

## TEACHERS COLLEGE

### Department of Early Childhood, Youth, and Family Studies

### Dropped/replaced:

*Dropped courses on left; replacement courses on right  
For dropped/replaced courses that also have revisions, the old courses are notated in parenthesis.*

FCFC 100	→	ECYF 100
FCFC 202	→	ECYF 202
FCFC 250	→	ECYF 250
FCFC 265	→	ECYF 265
FCFC 275	→	ECYF 275
FCFC 310	→	ECYF 310
FCFC 315	→	ECYF 315
FCFC 320	→	ECYF 320
FCFC 340	→	ECYF 340
FCFC 350	→	ECYF 350
FCFC 380	→	ECYF 380
FCFC 393	→	ECYF 393
FCFC 394	→	ECYF 394
FCFC 425	→	ECYF 425
FCFC 465	→	ECYF 465
FCFC 475	→	ECYF 475
FCFC 484	→	ECYF 484
FCFC 485	→	ECYF 485
FCFC 492	→	ECYF 492
FCFC 493	→	ECYF 493
EDEL 231	→	ECYF 231
EDEL 252	→	ECYF 252
EDEL 260	→	ECYF 260
EDEL 301	→	ECYF 301
EDEL 330	→	ECYF 330
EDEL 351	→	ECYF 351
EDEL 381	→	ECYF 381
EDEL 400	→	ECYF 400
EDEL 401	→	ECYF 401
EDEL 402	→	ECYF 402
EDEL 440	→	ECYF 440
EDEL 442	→	ECYF 442
EDEL 630	→	ECYF 630
EDEL 640	→	ECYF 640
EDEL 641	→	ECYF 641
EDEL 645	→	ECYF 645
EDEL 648	→	ECYF 648
EDEL 649	→	ECYF 649
EDEL 651	→	ECYF 651
EDEL 653	→	ECYF 653
EDEL 672	→	ECYF 672
EDEL 740	→	ECYF 740
EDEL 799	→	ECYF 799

**ECYF (FCFC) 100 Introduction to Early Childhood, Youth, and Family Studies (3)** Introductory course concerning the interdisciplinary nature of early childhood, youth, and family studies. Concepts include the profession's common body of knowledge, diversity, public policy, critical and creative thinking, professional ethics, and Indiana and professional association standards. Includes discussion of career exploration, required sequence of program curriculum,

Laura Helms  
Interim Dean, University College

internships, practicums, and/or student teaching. Includes 40 hours of mandatory service learning. Course may be repeated only once.

*Open only to* early childhood licensure majors and family and child majors.

**ECYF (FCFC) 380 Parenting (3)** Research-based parenting practices supporting the positive development of children in diverse families throughout the life cycle.

**ECYF (FCFC) 393 Presentations, Practices and Techniques for Family Life Education (3)** Development of techniques for presentations and projects meeting the needs of diverse audiences in family and consumer sciences. Includes participation in use of methods, development, evaluation, and techniques for varied environments.

*Prerequisite:* ECYF 100.

*Not open to* teaching majors in family and consumer sciences.

**ECYF (FCFC) 425 Grant Writing and Research Methods (3)** Focusing on the family and child disciplines, students will learn the research process, from developing research questions to analyzing data and interpreting results. Students will explore the grant writing process and methods for finding funding sources.

*Prerequisite:* ECYF 100 and 250.

**ECYF (FCFC) 465 Advanced Child Development in Practice (3)** Faculty-guided professional experience working with young children in a developmentally appropriate early care environment. Students complete 200 hours, including attending weekly staff and monthly training meetings at the Child Study Center.

*Prerequisite:* ECYF 100 and 265 and 275.

**ECYF (FCFC) 484 Family Stressors and Crisis (3)** Focuses on stressors individuals and families experience across the life cycle and methods of coping. Teaches skills in professional ethics and boundaries when working with or educating families.

*Prerequisite:* ECYF 100 and 250; junior or senior standing or permission of the department chairperson.

**ECYF (FCFC) 485 Family Policy (3)** Explores policy at the local, state, and federal levels and its impact on family life. Students will assess the effectiveness of policies and programs from a family perspective, learn about the policymaking process, and critically examine different roles professionals can play in influencing policy development.

*Prerequisite:* ECYF 100 and 250; permission of the department chairperson.