

BALL STATE UNIVERSITY

ACADEMIC POSTING

2012-2013

VOLUME XLIV – 9

May 10, 2013

This posting may contain all or part of the following: new, revised, and dropped programs, courses and prefixes. The posting period begins May 13, 2013. If no demurrer is received within ten school days, the changes will be certified for implementation. *The effective date for implementing undergraduate materials posted after April 16, 2012 is Fall Semester 2013. Graduate materials posted after April 16, 2012 have an implementation date of Fall Semester 2014.*

UNIVERSITY CORE CURRICULUM

Revised:

Foundations

One course required from each category except two courses are required for Written Communication:

PREFIX	NO	SHORT TITLE	CR	HRS
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Written Communication

ENG	103	Rhetoric & Writing (3)		
	104	Composing Research (3)		
		or		
	114	Composing Research (HC) (3)	6	

ENG 101 and 102 substitute for ENG 103.

Oral Communication

COMM	210	Fundamentals of Public Comm (3)	3	
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Mathematics

MATH	125	Mathematics Applications (3)		
	132	Brief Calculus (3)		
	161	Applied Calculus 1 (3)		
	165	Calculus 1 (4)		
	201	Num Alg Prob Elem Teach (4)		
	207	Mathematics Exceptional Learn (4)	3-4	

History

HIST	150	The West in the World (3)		
	151	World Civilization 1 (3)		
	152	World Civilization 2 (3)	3	

HIST 151 and 152 substitutes for HIST 150, which will satisfy the core foundation history requirement.

Physical Wellness

PFW	100	Physical Conditioning (2)		
	101	Physical Fit and Well Activity (1)		
	102	Physical Fit and Well Lecture (1)		
	103	Walking (2)		
	104	Jogging (2)		

105	Adapted Physical Fit and Well (2)		
117	Water Aerobics (2)		
148	Aerobics (2)		
160	Ind Physical Fit and Wellness (1-2)		
217	Swimming (2)	2	

Personal Finance

FCS	135	Financial Literacy (1)		
FIN	101	Pers Fin for Fiscal Wellness (1)		
	110	Personal Finance (3)	1-3	

TIER 1 Domain

One course required from each category:

Fine Arts

AHS	100	Introduction to Art (3)		
	101	History of Art Survey 1 (3)		
DANC	100	Intro to Dance History (3)		
MUHI	100	Introduction to Music (3)		
	330	Music History (3)		
THEA	100	Intro to Theatre (3)	3	

Humanities

ANTH	111	Anth, Culture, & Globalization (3)		
CC	101	Word Origins and Vocab Dev (3)		
	105	Intro to the Classical World (3)		
CH	102	Beginning Chinese 2 (4)		
	201	Intermediate Chinese 1 (4)		
	202	Intermediate Chinese 2 (4)		
ENG	206	Reading Literature (3)		
	213	Intro to Digital Literacies (3)		
FR	102	Beginning French 2 (4)		
	201	Intermediate French 1 (3)		
	202	Intermediate French 2 (3)		
GEOG	121	Geog of Cultural Environment (3)		
GER	102	Beginning German 2 (4)		
	201	Intermediate German 1 (3)		
	202	Intermediate German 2 (3)		
GRK	102	Beginning Greek 2 (3)		
	201	Intermediate Greek 1 (3)		
	202	Intermediate Greek 2 (3)		
HIST	201	American History, 1492-1876 (3)		
	202	US History, 1877 to Present (3)		

HONR	201	Inquiries in the Ancient World (3)	
JAPA	102	Beginning Japanese 2 (4)	
	201	Intermediate Japanese 1 (4)	
	202	Intermediate Japanese 2 (4)	
LAT	102	Beginning Latin 2 (3)	
	201	Intermediate Latin 1 (3)	
	202	Intermediate Latin 2 (3)	
PHIL	100	Introduction to Philosophy (3)	
RELS	160	Intro to Religion in Culture (3)	
SP	102	Beginning Spanish 2 (4)	
	201	Intermediate Spanish 1 (3)	
	202	Intermediate Spanish 2 (3)	3-4

Natural Sciences

ANTH	105	Introduction Biological Anth (3)	
ASTR	100	Intro Astro: Sol Sys & Bey (3)	
	120	The Sun and Stars (3)	
BIO	100	Biology for a Modern Society (3)	
	111	Principles of Biology 1 (4)	
	112	Principles of Biology 2 (4)	
CHEM	100	People and Chemistry (3)	
	101	Gen, Org, Biochem/Hlth Sci (5)	
	111	General Chemistry 1 (4)	
GEOG	101	Earth Sea Sky: Geographic View (3)	
GEOL	101	Planet Earth Geol Environment (3)	
HSC	160	Fundamentals of Human Health (3)	
NREM	101	Environment and Society (3)	
PHYC	100	Conceptual Physics (3)	
	101	Phys Sci Concepts for Teachers (1-3)	
	110	General Physics 1 (4)	
	120	General Physics 1 (5)	3-5

Social Sciences

ANTH	101	Intro to Cultural Anthropology (3)	
	103	Archaeology and Culture (3)	
CJC	101	Intro to Criminal Justice (3)	
	102	Introduction to Criminology (3)	
COMM	240	Introduction to Human Comm (3)	
	290	Intercultural Communication (3)	
ECON	116	Survey of Economic Ideas (3)	
	201	Elementary Microeconomics (3)	
	247	Econ & Stats for the Media (3)	
GEOG	150	Global Geography (3)	
HONR	189	Inquiries in Global Studies (3)	
POLS	130	American National Government (3)	
	293	International Relations (3)	
PSYS	100	Intro to Psychological Science (3)	
SOC	100	Principles of Sociology (3)	
	224	Family and Society (3)	
	242	Social Problems (3)	
	260	Social Interaction (3)	3

TIER 2

One course required from each of 2 categories:

Fine Arts/Design/Humanities

AHS	200	Critical Perspect Contemp Art (3)	
	201	Art Criticism and Meaning (3) (W)	
ANTH	463	Theor & Meth Hist Arch (3) (W)	
ARCH	229	History of Architecture 1 (3) (W)	
CAP	200	Design Thinking (3)	
CC	201	Cultural Life Ancient Greece (3) (W)	

	202	Cultural Life Ancient Rome (3) (W)	
	205	Mythologies of the World (3)	
COMM	322	Comm and Popular Culture (3)	
DANC	302	Dance History 2 (3) (W)	
EDRD	320	Content Area Reading (3)	
ENG	402	Cultural Studies (3) (W)	
	405	Spec Topics Creative Writing (3) (W)	
	490	Literature and Gender (3) (W)	
	491	Lit of African American Trad (3) (W)	
	492	Native American Literature (3) (W)	
	493	American Ethnic Literature (3) (W)	
	494	Queer Lit/Queer Theory (3) (W)	
	498	Post-Colonial Studies (3) (W)	
FR	334	Civ and Culture: Old Regime (3)	
	335	Civ and Culture: Modern France (3)	
	360	Intro to French Lit Readings (3)	
GER	361	Intro to German Literature 1 (3)	
HIST	198	Non-Western Civilizations (3)	
	310	Intro History of US Business (3)	
	370	Foundations Asian Civilization (3)	
HONR	202	Middle Ages Renaiss Enlightnmt (3) (W)	
	203	Inquiries 19th 20th 21st Cent (3) (W)	
JAPA	334	Japanese Culture and Civ (3)	
LA	221	LA History 2 (3)	
	270	Environmental Systems (3)	
MMP	100	Survey of the Music Industry (3)	
MUHI	105	Mus and Pop Culture in America (3)	
	331	Music History (3) (W)	
MUSE	265	Music Basics for the Classroom (3) (W)	
PHIL	102	Intro to Critical Reasoning (3) (W)	
	202	Ethics (3) (W)	
	203	Social Philosophy (3)	
	230	Environmental Ethics (3) (W)	
	304	Philosophy of Sport (3) (W)	
	315	African American Philosophy (3) (W)	
RELS	201	Religion and Popular Culture (3) (W)	
	206	Sex and the Bible (3) (W)	
	210	Religion, Morality, Pub Debate (3) (W)	
	250	Intro Biblical Interpretation (3)	
	280	Topics in Religion in America (3)	
	290	Topics in Asian Religions (3)	
SP	335	Topics in Hispanic Cultures (3-6)	
TDPT	280	3D Prototyping (3)	
TEDU	102	Design Techniques (3)	
TGRA	184	Comp Applications-Graphic Arts (3)	
	286	Digital Photography 1 (3)	
THEA	207	Design Awareness for Non-Major (3)	
	317	Pre-Modern Theatre History (3) (W)	
TMFG	105	Technical Design Graphics (3)	3

Natural Sciences/Social Sciences

ANTH	231	Intro Native American Studies (3)	
	301	Hist Method/Theory in Anth (4) (W)	
	311	Ethnicity and Race (3)	
ASTR	124	The Solar System (3)	
	151	The Universe and You (3)	
BIO	102	Biol Concepts for Teachers (3)	
	113	Microbiology for Health Sci (5)	
	216	Ecology (3)	
	220	Ecological Issues/21st Century (3)	
CHEM	112	General Chemistry 2 (4)	

	200	Society and Chemistry (3)		ANTH	369	Paid Intern in Anth (1-6)
CJC	311	Race, Ethnicity and Gender (3)			445	Archaeological Field School (6)
	329	Decision Making and Ethics (3)			450	Ethnographic Field School (3-12)
CS	200	Computers and Society (3)			459	Ethnographic Methods (3)
ECON	202	Elementary Macroeconomics (3)			479	Unpaid Internship (1-6)
	279	Problems of Emerging Nations (3)		AQUA	479	Aquatics Internship (12)
	309	Amer Econ Hist 1: to Civil War (3)		ARCH	401	Architectural Design (5)
	310	Amer Econ Hist 2: 1860-1990 (3)		ART	480	Senior Proj Photo Intermedia (3)
	311	Environmental Economics (3) (W)			490	Senior Project in Animation (3)
	331	Labor Economics (3)		AT	492	Practicum 2 in Athletic Train (1-3)
	348	Health and Economics (3)		BIO	217	Methods in Ecology (2) (W)
	351	International Economics (3)		CHEM	400	Chemical Communications (1) (W)
EDFO	420	Soc, Hist, Phil Found of Ed (3)		CJC	369	Paid Internship in CJC (12 or 15)
EDMU	205	Intro to Multicul Ed (3)			471	Practicum in CJC (3-6)
	302	Self & Social Const of ID (3)			479	Unpaid Internship in CJC (12 or 15)
	370	Repres & Multicul: Thry & Prac (3)		COMM	369	Professional Experience (1-6)
	400	Top Sem in Multicul Stds (3)			412	Rhetorical Criticism (3) (W)
EDTE	355	Lrn/Tchng w/Emerging Tech (3)			465	Human Communication Inquiry (3) (W)
FCFC	250	Family Relations (3)			479	Practical Experience (1-3)
GEOG	265	Intro Geographic Info Systems (3)		CS	496	Software Engineering 2 (3) (W)
	270	Geog of International Conflict (3) (W)			498	Soft Eng 2 (service) (3) (W)
GEOL	201	Plant Earth Geol Environment (3)		ECON	369	Internship in Economics (1-6)
	206	Oceans and Nations (3)			424	Introduction to Econometrics (3) (W)
HONR	199	Contemp American Civilization (3)		ENG	444	Senior Seminar (3) (W)
	296	Inquiries in Physical Sciences (3)		EXSC	479	Exercise Science Internship (12)
	297	Inquiries in Earth Sciences (3)		FCCPM	400	Housing & Society (3)
	298	Inquiries in Life Sciences (3)		FCS	403	FCS in Practice (3) (W)
HSC	180	Principles of Community Health (3)		FL	470	Immersive Study Abroad (1-3)
	261	Health, Sex, & Family Life (3)		FR	470	French Immersive Study Abroad (1-3)
	471	Death and Dying (3)		GEOG	369	Professional Experience (3-6)
NREM	205	Internatnl Natural Resources (3)			448	Geog Information System Design (3)
	211	Water Resources (3)			479	Practical Experience (3-6)
	221	Soil Resources (3)		GEOL	383	Field Geology (6)
PHYC	151	Energy: Technology and Society (3)		GER	470	German Immersive Study Abroad (1-3)
POLS	431	Legislation (3)		HIST	300	Internship (3-12) (W)
	432	The American Chief Executive (3)			369	Paid Internship (3-12) (W)
	433	The American Judicial System (3)			440	Senior Research Project (1) (W)
PSYS	324	Psychology of Women (3)		HONR	499	Senior Honors Project (3)
	325	Psych Prejudice Discrimination (3)		HSC	479	Practical Experience (3-9)
	424	Psychology of Diversity (3)		ISOM	369	Industry Internship (3-6)
SOC	328	Global and the Social World (3)			480	Supply Chain Mgt Integ Project (3)
	333	Sociology of Media (3)			490	Info Sys Integ Project (3)
	380	Sociological Research Methods (3) (W)		JAPA	470	Japan Immersive Study Abroad (1-3)
	421	Racial & Cultural Minor US (3)		JOUR	369	Paid Internship (0-3)
	425	Sociology of Law (3)			479	Unpaid Internship (0-3)
SOCW	230	Human Behav and Social Envr 1 (3)		LA	404	LA Comprehensive Project (5) (W)
TDPT	406	Technical Decision Making (3)		MATH	496	Capstone Math Teaching (3)
WGS	210	Intro Women's & Gender Studies (3)	3-5		498	Senior Seminar (2) (W)

TIER 3 Course/Experience

One course required:

ACR	418	Ceramics: Senior Project (3)		MUST	495	Composition-Project Recital (1-3)
	428	Metals: Senior Project (3)		NREM	369	Professional Practice (1-3)
	438	Senior Project in Glass (3)		NUR	430	Adult Health 4 (4)
ADS	442	Visual Communication 4 (3)		PHIL	400	Immers/Experiential Learning (1-6)
AFA	487	Senior Project in Drawing (3)		PHYC	482	Independent Studies in Physics (1-3) (W)
	489	Senior Project in Painting (3)		PLAN	401	Field Studio (4)
	491	Senior Project in Sculpture (3)		POLS	369	Pd Prof Exp in Amer Gov & Law (3)
	493	Senior Project in Printmaking (3)			479	Pract Exp/Amer Gov & Law (3)
AHS	480	Art History Senior Thesis (3)			499	Sr Seminar in Gov & Pols (3)
AHSC	485	Respiratory Care Practicum 4 (6)		PSYS	492	Research Seminar (3)

	499	Dept Honors in Psychology (1-2)
SOC	492	Capstone Course in Sociology (3)
SOCW	460	Practicum (12)
	462	Practicum Seminar (3)
SP	306	Comp for Heritage Speakers (3) (W)
	403	Seminar in Cultural/Lit Studies (3-9)
	404	Seminar in Lang/Ling (3-9)
SPAA	319	Clinical Practicum (3)
SPTA	479	Sport Admin Internship (12)
TCMP	466	Capstone Computer Technology (3)
TCOM	408	Med Ethics/Soc Responsibility (3)
TCST	460	Capstone in Construction (3)
TGRA	480	Capstone in Graphic Arts (3) (W)
THEA	434	Immersion Experience (1-12)
TMFG	460	Project in CAM 1 (3)
	465	Advanced Six Sigma (3)
WGS	499	Women/Gender Studies Capstone (3)

Student Teaching:

EDAL	470	Student Teaching: All-Grade (6-7)
EDEL	400	Student Teaching: Pre-K (6)
	401	Student Teaching: Kindergarten (6)
	402	Student Teaching: Primary (6)
	463	Student Teaching: Elementary (3)
	464	Student Teaching: Elementary (6)
	465	Student Teaching: Elementary (3)
EDJH	465	Elect Student Tchng: JH/MS (3 or 5)
EDSE	460	Student Tchng: Sec Schl (6-7)
	465	Elective Student Teaching (3 or 5)
SPCE	466	Stud Teach: Hearng Impd (1-12)
	489	Stud Teach: Mild Disabilities (1-12)
	491	Stud Teach: Sec Mld Int (1-12)
	492	Stud Teach Children/Youth (6-12)

Writing

One course required:

AHS	201	Art Criticism and Meaning (3)
ANTH	301	Hist Method/Theory in Anth (4)
	463	Theor & Meth Hist Arch (3)
AQUA	458	Aquatic Leadership Development (3)
ARCH	229	History of Architecture 1 (3)
AT	372	Therapeutic Modalities in AT (3)
BIO	217	Methods in Ecology (2)
CC	201	Cultural Life Ancient Greece (3)
	202	Cultural Life Ancient Rome (3)
CHEM	400	Chemical Communications (1)
COMM	412	Rhetorical Criticism (3)
	465	Human Communication Inquiry (3)
CS	496	Software Engineering 2 (3)
	498	Soft Eng 2 (service) (3)
DANC	302	Dance History 2 (3)
ECON	311	Environmental Economics (3)
	424	Introduction to Econometrics (3)
ENG	230	Reading & Writing About Lit (3)
	285	Intro to Creative Writing (3)
	402	Cultural Studies (3)
	405	Spec Topics Creative Writing (3)
	444	Senior Seminar (3)
	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/Queer Theory (3)
	498	Post-Colonial Studies (3)
EXSC	493	Advanced Exercise Physiology (3)
FCS	403	FCS in Practice (3)
FR	302	Composition (3)
GEOG	270	Geog of International Conflict (3)
GER	302	Composition (3)
HIST	300	Internship (3-12)
	369	Paid Internship (3-12)
	440	Senior Research Project (1)
HONR	202	Middle Ages Renaiss Enlightnmt (3)
	203	Inquiries 19th 20th 21st Cent (3)
HSC	290	Eval & Assess in Schl Hlth (2)
	396	Health Comm Media Prod (2)
ISOM	249	Foundations of Business Comm (3)
JOUR	104	Strategic Writing (3)
LA	404	LA Comprehensive Project (5)
MATH	395	Teach Mathematics Secondary (3)
	498	Senior Seminar (2)
MUHI	331	Music History (3)
MUSE	265	Music Basics for the Classroom (3)
NEWS	221	Storytelling: Covering Issues (3)
NREM	331	Energy and Mineral Resources (3)
PHIL	102	Intro to Critical Reasoning (3)
	202	Ethics (3)
	230	Environmental Ethics (3)
	304	Philosophy of Sport (3)
	315	African American Philosophy (3)
	415	Prof and Practical Ethics (3)
PHYC	482	Independent Studies in Physics (1-3)
PSYS	284	Research Methods in Psych Sci (4)
RELS	201	Religion and Popular Culture (3)
	206	Sex and the Bible (3)
	210	Religion, Morality, Pub Debate (3)
SOC	380	Sociological Research Methods (3)
SOCW	330	Human Behav and Social Envr 2 (3)
SP	302	Composition and Grammar (3)
	306	Comp for Heritage Speakers (3)
TGRA	480	Capstone in Graphic Arts (3)
THEA	317	Pre-Modern Theatre History (3) 3-5

INTERDEPARTMENTAL PROGRAMS

ENGLISH AS A FOREIGN LANGUAGE (ENEF)

New:

173 Repeating Reading (1.5-99) Designated as a reading course for part-time IEI students repeating a class in the same semester.

175 Repeating Listening (1.5-99) Designated as a listening course for part-time IEI students repeating a class in the same semester.

Revised:

171 Repeating Writing (1.5-99) Designated as a writing course for part-time IEI students repeating a class in the same semester.

COLLEGE OF APPLIED SCIENCES AND TECHNOLOGY

Department of Family and Consumer Sciences

FAMILY AND CONSUMER SCIENCES: PROPERTY MANAGEMENT (FCPM)

New:

400 Housing and Society (3) Explores the relationship between housing norms and public policy, mass media, fine/applied art, literature, entertainment, education, and personal relationships, from an individual and societal perspective. Emphasis on how these factors reflect and influence housing beliefs, decisions, and aspirations.

Prerequisite: FCPM 104; junior or senior standing.

COLLEGE OF ARCHITECTURE AND PLANNING

Department of Landscape Architecture

Revised:

MAJOR IN LANDSCAPE ARCHITECTURE (BLA), 115 hours

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.

Retention Standards

If a student earns below a C- in any required studio or engineering course, the student must retake that course. The student may be dismissed from the program if, after the required course retake, a grade below C- is earned. Dismissal or retention of the student will be determined by the department chairperson in consultation with the current instructor of record and the department academic standard committee.

PREFIX	NO	SHORT TITLE	CR HRS
ARCH	100	Introduction to Architecture	2
CAP	101	Environment Design & Plan 1	3
	102	Environment Design & 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
	214	Field Study	1
	220	LA History 1	3
	221	LA History 2	3
	270	Environmental Systems	3
	280	LA Computer Applications	3
	301	Housing & Community Design	4
	302	Planting Design	4
	311	LA Engineering 1	4
	312	LA Engineering 2	4
	341	Plants 1	4
	369	Internship (0-1)	1
	401	Regional Landscape Design	5
	403	Urban Design	5
	404	LA Comprehensive Project	5
	413	LA Engineering 3	4
	414	LA Engineering 4	3
	451	LA Research	3
	460	Professional Practice	3
PLAN	100	Intro Urb Planning & Dev	2
8 hours from department electives			8
3 hours 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

115 hrs

Students should complete BIO 111 to satisfy the prerequisite for BIO 216.

MILLER COLLEGE OF BUSINESS

Department of Economics

ECONOMICS (ECON)

Dropped:

548 Health and Economics (3)

Revised:

662 (548) Health and Economics (3) Studies how economic

incentives and institutions affect health, health care, and clinical practice. Will help students apply economic concepts to analyze health care and the effect of various health policies. Also emphasizes ways to improve health care quality, increase access, and reduce costs.

Not open to students who have credit in NUR 662.

Open only to students with full admission to a graduate or certificate program of the university or by permission of the department chairperson.

683 Health Economic Analysis (3) Studying health economics will provide students with the tools necessary to analyze the interrelationship of health care resources, providers, consumers, and markets. By the end of this course, students will demonstrate a conceptual understanding of health economics and how it relates to the US health care system.

Open only to students with full admission to a graduate or certificate program of the university or by permission of the department chairperson.

693 Health Economics and Policy (3) Applies economic concepts to understand how policy decisions made at various levels (of business and government) affect health care access, quality, and cost. Specific applications may be drawn from the life sciences industry.

Prerequisite: ECON 116 or 201 or 509 or 662 or 683 or NUR 662.

COLLEGE OF SCIENCES AND HUMANITIES

Department of Anthropology

ANTHROPOLOGY (ANTH)

Revised:

103 Archaeology and Culture (3) Explores the long-term development of human culture from its beginnings to the present through archaeological and material perspectives. Presents a global survey of world prehistory and focuses upon the major cultural trends and key transitions in the prehistoric past. Emphasizes the use of archaeological methods and information in reconstructing global culture history.

Department of Biology

BIOLOGY (BIO)

Revised:

113 Microbiology for the Health Sciences (5) Introductory course for students in applied health curricula. Presents biomolecules of life, enzyme interaction, physiology and structure of representative microorganisms. Emphasizes bacteria, viruses, fungi, and protozoa of health significance

and the host-parasite relationship. Microbiological techniques will be emphasized in laboratory. Core Transfer Library: Life Sciences (ILS 1505)

216 Ecology (3) Effects of physical and biotic conditions on the distribution, abundance, and diversity of plants and animals. Dynamics of ecological systems at population, community, ecosystem, landscape, and global levels, and from an evolutionary perspective. Practical applications of ecological knowledge to environmental problems.

Prerequisite: BIO 112.

560 Introduction to Methods of Biological Imaging (4) Biological imaging refers to any imaging technique used in biology. However, its use in microscopy to create images of objects or features too small to be detectable by the naked human eye is paramount. You will learn the theory, design, operation, and specimen preparation for the confocal light microscope and both the transmission and scanning electron microscopes. Basic digital image manipulation is also covered. To be successful in the course, you must demonstrate competency on all three microscopes, develop a portfolio with high quality images for each type of microscopy, and complete an individual research project. Primarily designed for students interested in doing research in biology, biochemistry, or neuroscience.

Prerequisite: permission of the instructor.

Recommended prerequisite: cell biology and introductory physics.

Not open to students who have credit in BIO 460.

629 Seminar in Biology (1) Review and discussion of the literature related to selected topics of current interest in biological research.

Prerequisite: permission of the department chairperson.

A total of 2 hours of credit may be earned toward a Master's degree and a total of 10 hours of credit may be earned toward a doctoral degree, but no more than 1 in any one semester or term.

697 Research in Biology (1-3) Independent research for biology majors at the master's or doctoral level. Students' research projects must be developed in consultation with a faculty member. As many as 6 hours of credit may be applied toward a master's degree. As many as 12 credit hours may be applied to a doctoral degree. No more than 3 hours may be taken in one semester.

Prerequisite: permission of the department chairperson.

A total of 6 hours of credit may be earned for the Master's and 12 hours for the PhD, but no more than 3 in any one semester or term.

796 Research in Biology (1-6) Independent research for biology majors at the doctoral level. Students' proposed research projects must be developed in consultation with a faculty member.

Prerequisite: permission of the department chairperson.

A total of 18 hours of credit may be earned, but no more than 6 in any one semester or term.

Department of Chemistry

CHEMISTRY (CHEM)

Revised:

670 Research in Chemistry (1-9) Original work at the molecular level on projects based in the current scientific literature. The projects will be directed by graduate faculty and will typically involve aspects of ongoing research.

Prerequisite: permission of the department chairperson.

A total of 9 hours of credit may be earned.

671 Research in Chemical Education (1-9) Original work based on the current science education literature. Projects will be directed by graduate faculty and may involve conducting surveys, developing new instructional materials or methods, or evaluating the effectiveness of technology-based teaching.

Prerequisite: permission of the department chairperson.

A total of 9 hours of credit may be earned.

675 Advanced Topics in Chemistry (1-9) Discussion, experimentation, or both in specialized topics for the qualified advanced student. Information concerning specific topics offered during a given semester may be obtained from the departmental office. Lecture and laboratory schedules appropriate to the topics offered.

Prerequisite: permission of the department chairperson.

A total of 9 hours of credit may be earned.

773 Chemistry and Chemical Education Seminar (1)

In-depth analyses of recent trends and developments in chemistry or chemical education. Seminar participants report on assigned topics to departmental groups.

Prerequisite: permission of the department chairperson.

Department of English

ENGLISH (ENG)

Revised:

285 Introduction to Creative Writing (3) Introduction to the craft, terminology, and techniques of multiple genres, including fiction, poetry, and creative nonfiction. Core Transfer Library: English/Literature (IEL 1230)

498 Post-Colonial Studies (3) A study of major works from post-colonial countries and cultures, such as Nigeria, South Africa, India, and Jamaica, and the intellectual and literary movements associated with them. Students are also introduced to concepts associated with post-colonial literature and criticism such as colonialism, imperialism, anticolonialism and neocolonialism.

610 Reading and Writing Across the Genres (3) A comprehensive introduction to graduate creative writing, with study and practice of the forms and techniques of fiction,

poetry, and creative nonfiction.

Prerequisite: permission of the department chairperson.

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

662 Renaissance and Seventeenth-Century Studies (3)

Study of selected works of English literature of the Tudor, Stuart, and Commonwealth periods (1485-1660) exclusive of Shakespeare.

Prerequisite: permission of the department chairperson.

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

664 Studies in English Literature of the Restoration and Eighteenth Century (3) An extensive study of British authors of the period 1660-1830.

Prerequisite: permission of the department chairperson.

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

Department of Geography

GEOGRAPHY (GEOG)

Revised:

530 Weather Analysis (3) Presentation and practice of synoptic- and meso-scale diagnostic analysis techniques, including a review of satellite and radar remote sensing systems and image interpretation. Introduction to numerical weather prediction.

Not open to students who have credit in GEOG 330.

531 Global Climate (3) Introduction to the dynamics of the global climate system. Emphasizes the physical processes that force spatial variability in climate, and the feedback mechanisms associated with global teleconnections and climate change.

Prerequisite: GEOG 230 or permission of the instructor.

Not open to students who have credit in GEOG 331.

Department of Geological Sciences

GEOLOGY (GEOL)

Dropped:

545 Fractals in the Natural Sciences (3)

New:

540 Karst Environments and Carbonate Geology (3) A study of a portion of the global carbon cycle that includes an intensive survey of karst aquifers and landscapes as well as the geology of the carbonate rocks in which the karst forms. Planned topics will include carbonate depositional environments, carbonate petrology and diagenesis,

speleogenetic theories, karst hydrology and geochemistry, karst geomorphology, and environmental/engineering challenges in karst.

Prerequisite: GEOL 207, 240.

Not open to students who have credit in GEOL 440.

780 Special Studies and Field Problems (1-6) Selected detailed geologic problems under the guidance of a qualified instructor.

Prerequisite: permission of the department chairperson.

A total of 40 hours of credit may be earned, but no more than 6 in any one semester or term.

Department of History

HISTORY (HIST)

Revised:

623 Special Topics in US, European, or Atlantic World

History (3-9) Investigation of a particular topic, problem, or issue in United States history, European history, or the history of the Atlantic World, with emphasis on topics, specialties, and material not covered in other courses. Exact content will be announced before each offering.

A total of 9 hours of credit may be earned.

633 Special Topics in Comparative History (3-6)

Investigation of topics, problems, and issues in comparative history with emphasis on topics, specialties, and material not covered in other courses and which cross traditional geographic and chronological boundaries. Special attention will be devoted to discussion of historiography and current trends in scholarship. Exact content will be announced before each offering.

A total of 6 hours of credit may be earned.

Department of Modern Languages and Classics

JAPANESE (JAPA)

New:

550 Modern Japan through Japanese Language and

Literature (3) Explores Japanese language and literature as a reflection of and on Japanese society. Materials covered will include prose, poetry, theatre, etc. The time period ranges from the late Meiji period (1868-1912) to the present. Some attention will be devoted to pre-modern Japan in order to highlight the changes in language and literary ideals. Intended for high school Japanese teachers as professional development, but it is open to other graduate students as well. Taught in both Japanese and English.

Prerequisite: teaching license in Japanese or permission of the instructor.

Department of Physics and Astronomy

Revised:

MAJOR IN PRE-ENGINEERING PREPARATION, 63 hours

PREFIX	NO	SHORT TITLE	CR HRS
Common core, 55 hours			
CHEM	111	General Chemistry 1	4
	112	General Chemistry 2	4
CS	120	Computer Science 1	4
MATH	165	Calculus 1	4
	166	Calculus 2	4
	217	Linear Algebra	4
	267	Calculus 3	4
PHYC	115	Career Issues	1
	120	General Physics 1	5
	122	General Physics 2	5
	260	Introduction to Modern Physics	4
	262	Modern Physics Laboratory	1
	330	Mechanics	3
	482	Independent Studies in Physics	3
	483	Seminar in Physics	1
	485	Meas of Lrngng in Physics	1
TMFG	105	Technical Design Graphics	3
			<hr/>
			55 hrs
Approved department elective			4
Approved department elective			4
			<hr/>
			63 hrs

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

Department of Psychological Science

Dropped:

MINOR IN PSYCHOLOGICAL SCIENCE, 18 hours

PSYCHOLOGICAL SCIENCE (PSYS)

New:

697 Diversity Issues in Psychological Research (3)

Introduces the application of diversity perspectives to psychological research. Race, ethnicity, economic status, national origin, disability, gender, sexual orientation and identity, age, and religious beliefs will be considered. Emphasizes why individuals working in all psychological subdisciplines need to understand diversity issues.

Revised:

575 Advanced Industrial Psychology (3) Principles of personnel testing as applied to the selection and placement process. Focuses on the development of predictors and criteria, selection of an appropriate validation model, and the psychological dynamics of interview processes.

Prerequisite: PSYS 373 or 573 or equivalent or permission of the department chairperson.

584 Experimental Psychology (3) The study of behavior by the experimental method. Experimental studies will be conducted to evaluate research techniques and appropriate controls.

Not open to students who have credit in PSYS 284.

613 Developmental Psychology (3) Concepts, principles, theories, and research concerning the biological and environmental influences on behavioral and psychological development. Emphasizes issues and topics related to the normal human life span. Designed primarily for students without undergraduate work in human growth and development.

Prerequisite recommended: PSYS 284 or 584 or equivalent.

615 Learning and Motivation (3) Analysis of research and theories of basic conditioning, learning processes, and motivation. Biological bases of motivation will also be considered. The major concentration will be on animal learning and motivation, but parallels to human behavior will be drawn.

Prerequisite recommended: PSYS 284 or 584 or equivalent.

616 Perception and Cognition (3) Analysis of research and theories of perception, cognition, and language. Covers information processing, attention, verbal learning and memory, problem solving, concept formation, and psycholinguistics.

Prerequisite: PSYS 284 or 584 or equivalent.

618 Advanced Cognitive Processes (3) Examines psychological theories, models, research, and applications of problem solving, decision making, reasoning, and other kinds of intelligent human cognitive processing.

Prerequisite: PSYS 616.

632 Abnormal Psychology (3) Introduction to adult psychopathology with emphasis on contemporary systems of classification of behavior disorders, expression of behavior disorders in the context of cultural factors, problems associated with diagnostic decision making, and current research concerning descriptive boundaries, etiology, course, and prognosis.

Prerequisite: PSYS 432 or equivalent or permission of the department chairperson.

640 Introduction to Psychological Assessment (3) Theoretical and practical implications of psychodiagnostic tools including age, gender, ethnicity, language, disability, and

culture factors related to the assessment and evaluation of individuals and groups. Emphasizes issues of reliability, validity, and ethics, plus the development of basic diagnostic skills.

Open only to students in the clinical psychology MA program.

644 Advanced Psychological Assessment (3) Continuation of PSYS 640 with emphasis on the selection, administration, interpretation, and use of objective and projective personality assessment devices in conjunction with other techniques. Emphasizes development of advanced diagnostic skills and ethical considerations.

Prerequisite: PSYS 632 and 640.

668 Physiological Psychology (3) Introduction to the physiological basis of behavior, involving the nervous system, its structure, biochemistry, and function. Emphasis on basic neuroscience and research methods. Includes a survey of the role of neurophysiology and neuroanatomy in functions of consciousness and mental disorders.

Prerequisite: PSYS 284 or 584 or equivalent.

680 Research Methods in Psychology (3) Overview of research methods in psychology, including experimental, quasi-experimental, correlational, single-case, and program evaluation techniques.

Open only to students in the clinical psychology MA program and students in the cognitive and social processes MA program.

696 Diversity Issues in Clinical Psychology (3) Introduces the application of diversity perspectives to psychological practice. Race, ethnicity, economic status, national origin, disability, gender, sexual orientation and identity, age, and religious beliefs will be considered. Emphasizes why individuals working in all psychological subdisciplines need to understand diversity issues.

Open only to students in the clinical psychology MA program.

Department of Sociology

SOCIOLOGY (SOC)

Dropped:

228 Globalization and the Third World (3)

Revised:

260 Social Interaction (3) Analysis of the interaction between people and their social environment. Examines the effects of groups and society on individuals.

328 (228) Globalization and the Social World (3) Examines the process of globalization especially as it occurs in countries with emerging economies. Social problems, social change

models, and ideologies related to globalization are also discussed.

TEACHERS COLLEGE

Teacher Licensing

Correction:

PROFESSIONAL EDUCATION ASSESSMENT/DECISION POINTS

Grade points will be checked at the end of each semester beginning when students earn 30 hours. An overall grade-point average of at least 3.0 is required for admission to the teaching curriculum (at the end of DP2) and continuation in all educator preparation programs.

Decision Point 1:

Identification with Professional Education

As a prerequisite to applying for admission to teacher education and to enroll in any professional education course after earning 30 credit hours, candidates must have:

- earned a minimum of 30 credit hours with an overall grade-point average of at least 2.75.
- completed an introductory professional education course with a *C* or better grade;
- satisfactorily completed the first-level portfolio review.

Decision Point 2:

Admission to Teacher Education

For admission to a teaching curriculum and to register in any 300-level and above professional education course, candidates must have:

- earned grades of *C* or better in 100- and 200-level professional education courses and COMM 210 or equivalent;
- earned a minimum of 45 credit hours with an overall grade-point average of at least 3.0;
- passed the Core Academic Skills Assessment (CASA) at OELD score levels; SAT, GRE, or ACT scores may substitute for CASA under some circumstances;
- satisfied content requirements specified by the student's licensure area. For specific requirements, students should see the licensure area Web site or handbook;
- satisfactorily completed the second-level portfolio review;
- met International Society for Technology Education Standards (ISTE) at the General Preparation level;
- maintained clearance from the Division of Student Affairs.

Decision Point 3:

Admission to Student Teaching

To register for student-teaching courses, students must have:

- earned grades of *C* or better in all 300- and 400-level professional education courses;
- earned a minimum of 93 hours with overall grade-point

average of at least 3.0;

- be within 9 hours of completion of content courses;
- maintained a grade-point average of at least 2.5 in professional education courses and 2.5 in all content area courses;
- satisfied content requirements specified by the student's licensure area. For specific requirements, students should see the licensure area Web site or handbook;
- satisfactorily completed the third-level portfolio review;
- met ISTE standards at the Professional Preparation level;
- maintained clearance from the Division of Student Affairs;
- an approved application for student teaching.

Decision Point 4:

Recommendation for Graduation and Licensure

To be recommended for graduation and licensure, students must have:

- earned credit in student teaching;
- completed all requirements for graduation with an overall grade-point average of 3.0;
- maintained a grade-point average of at least 2.5 in professional education courses and 2.5 in all content area courses;
- satisfactorily completed the fourth-level portfolio review;
- met ISTE standards at the Student Teaching/Internship level;
- successfully completed service learning requirements;
- passed the official Indiana specialty area licensure tests (see your advisor for details);
- maintained clearance from the Division of Student Affairs;
- provided evidence of current CPR/AED certification prior to license recommendation;
- provided evidence of completion of suicide prevention training prior to license recommendation;
- provided a completed license application through the Indiana Department of Education's Licensing Verification and Information System (LVIS).

Ron Murphy, Associate Director
Office of Academic Systems