BALL STATE UNIVERSITY

ACADEMIC POSTING

2010-2011

VOLUME XLII – 4 January 7, 2011

This posting may contain all or part of the following: new, revised, and dropped programs, courses and prefixes. The posting period begins January 10, 2011. 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 March 24, 2010 is Fall Semester 2011.Graduate materials posted after January 27, 2009 have an implementation date of Fall Semester 2011.*

Interdepartmental Programs

SUSTAINABILITY

New:

MINOR IN SUSTAINABILITY, 21 hours

PREFIX	*NO*	*SHORT TITLE*	*CR HRS*
ID	250	Sustain Dev	3
	400	Sust Future	3

1 course from each of the following areas:

Resources (Water/Energy/Materials)

ARCH	273	Env Sys 1 (3)	
GEOL	206	Oceans Natns (3)	
ITDPT	203	Matl Process (3)	
	204	Engy Process (3)	
LA	371	Sustain Site (3)	
NREM	211	Water Resour (3)	
	331	Enrg Min Res (3)	
	335	Renew Energy (3)	
	405	Int Res Mgt (3)	
PLAN	433	Environ Plan (3)	
	435	Energy Plan (3)	3

Land/Natural Systems

BIO	216	Ecology (3)	
	418	Com Eco Ecol (3)	
GEOG	121	Cultural Env (3)	
	150	Global Geog (3)	
GEOL	416	Enginr Geol (3)	
LA	471	Sust Land (3)	
NREM	221	Soil Resourc (3)	
	304	Sust Agric (3)	
	327	Soil Cnv Mgt (3)	3

Atmosphere & Climate

GEOG	230	Elem Meteor (3)	
	331	Glob Climate (3)	
	332	Clim Change (3)	
GEOL	207	Envir Geol (3)	
NREM	309	Globl Change (3)	3

Socio-Cultural Dimensions of Sustainability

BUSAD	300	Env Bsn Ctxt (3)	
ECON	311	Environ Econ (3)	
ANTH	312	Ecology (3)	
	481	Culture Econ (3)	
GEOG	423	Population (3)	
HSC	180	Prn Com Hlth (3)	
	482	Environ Hlth (3)	
NREM	205	Intl NR Cons (3)	
	309	Globl Change (3)	
	357	Intl Com Dev (3)	
PLAN	460	Alt Com Plan (3)	
SOC	228	Global (3)	
	470	Population (3)	
SOCWK	230	Behav Envr 1 (3)	3

Values/Policy

HIST	204	Am Env Hist (3)	
ID	301	Intro Peace (3)	
ITDPT	406	Tech Dec-Mak (3)	
NREM	309	Globl Change (3)	
PHIL	230	Envir Ethics (3)	
POLS	347	Env Law Poly (3)	3

21 hrs

WOMEN'S STUDIES

WOMEN'S STUDIES (WMNST)

Dropped:

WMNST 314. Women's Studies Symposium in Communication. (3.0)

Revised:

Drop prefix:
WOMEN'S STUDIES (WMNST)

Replace with:
WOMEN'S AND GENDER STUDIES (WGS)

Miller College of Business

MASTER OF BUSINESS ADMINISTRATION (MBA)

Revised:

MBA 601. Entrepreneurial Leadership and Ethical Reasoning. (3.0) Assessment of each student's personal ethics, decision making, motivation, communication, team building, and leadership characteristics followed by creation of a personal development plan. Emphasis on application of current leadership theories to leading innovation and managing operations within an entrepreneurial organization. Ethical reasoning is taught in three modules: 1) critical thinking for ethical decision making; 2) ethical theories and frameworks; 3) corporate social responsibility. Prerequisite: full admission to a graduate program in the Miller College of Business; MGT 500; ISOM 551; or their equivalents. Open only to Miller College of Business students or by permission of the Miller College of Business director of graduate programs.

DEPARTMENT OF ACCOUNTING

ACCOUNTING (ACC)

Revised:

ACC 675. Seminar in Financial Accounting. (3.0) An examination of conceptual, theoretical, and practical aspects of financial accounting. Emphasis placed on the conceptual framework of accounting and its application to current accounting issues and standard setting. Prerequisite: ACC 440; full admission to a graduate program of the university. Open only to MS in accounting majors or by permission of the department chairperson.

DEPARTMENT OF ECONOMICS

ECONOMICS (ECON)

Dropped:

ECON 681. Health Economics and Policy. (3.0)

New:

ECON 683. Health Economic Analysis. (3.0) 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. Prerequisite: ECON 548 or MBA 651.

ECON 693. Health Economics and Policy. (3.0) 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 683.

Revised:

ECON 424. Introduction to Econometrics. (3.0) Applies statistical methods to economics. Emphasizes constructing, estimating, and testing economic models. Topics include multiple regression analysis and advanced regression techniques, including the specific problems that arise in applying these to economic and financial data, time series analysis, and forecasting. Prerequisite: ECON 201, 202, 221 or its equivalent.

College of Communication, Information, and Media

DEPARTMENT OF COMMUNICATION STUDIES

COMMUNICATION STUDIES (COMM)

Revised:

COMM 611. Theories of Rhetoric. (3.0) Comprehensive survey of the principle figures, theories, and movements in rhetoric from the classical period to the present. Relationships between rhetorical theory and political, social, and/or critical theory are explored.

CENTER FOR INFORMATION AND COMMUNICATION SCIENCES

Revised:

MASTER OF SCIENCE IN INFORMATION AND COMMUNICATION SCIENCES

The master of science in information and communication sciences is a graduate professional program that prepares students for career opportunities and leadership positions in organizational settings in which information and communication technologies are employed. Graduates of ICS are prepared to understand the implications of managing information and communication opportunities discovered in the design, production, and purposing of digital media products. These opportunities arise in the financial, health care, government, education, and all other sectors of the information and communication industry.

Graduates will achieve an understanding of the digital environment including its human, regulatory, and business contexts. They will be able to understand the technological options available for the delivery and distribution (or convergence) of media products across multiple digital platforms. They will become acquainted with the equipment and software applications available in designing or selecting each option.

This program will provide background and experiences in project processing including design, development, regulation and usability factors, important in implementing technologies intended to solve business communication problems. Students will explore the role and function of strategic thinking and management related to digital age business issues, including people, technology, competitiveness, productivity, and finance.

This program will assist students in learning how to learn. Because the fields of information and communication are so dynamic, students must be able to regularly identify needs and gather information to solve new problems independently and in groups or teams and to constantly prioritize opportunities as technologies change around them. Students will explore digital workflows and lifestyles in order to solve problems creatively in our new collaborative interactive environment.

Admission

Applicants must meet the admission requirements of the Graduate School.

Degree Requirements

Students must complete a minimum of 38 credit hours.

PREFIX	*NO*	*SHORT TITLE*	*CR HRS*
Required courses			
ICS	600	Survey Mgt (3)	
	601	Prob In I C (3)	
	602	Human Commun (3)	
	620	Technol (4)	
	621	Info Movemnt (4)	
	630	Research Mth (3)	
	642	Reg Research (3)	
	660	Human Factor (3)	
Business electives			
ICS	605	Interper Mgt (3)	
	624	Know Mgt (3)	
	633	Sys Analysis (3)	
	634	Proj Mgt (3)	
	635	I C Projects (1-2)	
	640	I C Industry (3)	
	644	Econ Choice (3)	
	646	Tel/Net Mgt (3)	
	653	Consulting (3)	
	655	Prob Seminar (3)	
	661	Entrep (3)	
	666	Strat Pln (3)	
	675	I C Marketing (3)	
Technology electives			
ICS	623	Integration (3)	
	625	Video Tech (4)	

632 I C Tech Sem (2)
645 Evo Databse (3)
648 Sat Wire Lab (3)
649 Oper Systems (3)
650 Wireless 2 (3)
663 Network Dsgn (3)
664 Del Systs (3)
667 Video Syst (3)
684 Info Access (3)
691 Internetwork (3)
692 Adv Net Conf (3)
696 I C Research (2)
698 I C Problems (3)
699 I C Mgt Probs (3)

At least one elective course outside CICS can be selected in consultation with the advisor and subject to the approval of the CICS director.

Degree recap

Core requirements	26 hrs
Electives courses	12 hrs
	38 hrs

College of Fine Arts

SCHOOL OF MUSIC

MUSIC PERFORMANCE (MUSPE)

New:

MUSPE 592. Special Topics in Applied Music. (0.0) Individual applied instruction (according to proficiency) for the study of music of any period or style. Prerequisite: permission of the Graduate Coordinator.

College of Sciences and Humanities

DEPARTMENT OF ANTHROPOLOGY

ANTHROPOLOGY (ANTH)

Revised:

ANTH 450. Ethnographic Field School. (6.0 TO 12.0) 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 12 hours of credit may be earned.

ANTH 550. Ethnographic Field School. (6.0 TO 12.0) 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: permission of the instructor. A total of 12 hours of credit may be earned.

DEPARTMENT OF ENGLISH

ENGLISH AS A FOREIGN LANGUAGE (ENEFL)

Revised:

Change all 3 credit hour courses to: 1.5-3

Change all 3-99 credit hour courses to: 1.5-99

ENGLISH (ENG)

Dropped:

ENG 392. Writing Competency Examination. (0.0)

ENG 393. Writing Competency Course. (2.0)

Revised:

ENG 603. Independent Study. (1.0 TO 3.0) Independent study and research in composition, creative writing, English education, language and linguistics, or literature. Prerequisite: permission of the department chairperson. A total of 9 hours of credit may be earned, but no more than 3 in any one semester or term.

ENG 701. Independent Study. (1.0 TO 3.0) Intensive study of a topic in literature, composition, or linguistics not ordinarily addressed in a regularly scheduled course. Intended to prepare doctoral

students on a tutorial basis to research and develop an original dissertation topic. Prerequisite: permission of the department chairperson. A total of 9 hours of credit may be earned, but no more than 3 in any one semester or term.

ENGLISH: INTENSIVE ENGLISH INSTITUTE (ENIEI)

Revised:

Change the credit hours for all courses
from: 3-99 to: 1.5-99

INTENSIVE ENGLISH INSTITUTE (IEI)

Revised:

Change the credit hours for all courses
from: 3-99 to: 1.5-99

WRITING PROFICIENCY PROGRAM (WPP)

Revised:

WPP 392 (ENG 392). Writing Proficiency Examination. (0.0) Open to students who have completed ENG 103 and ENG 104 (or their equivalent) with grades of *C* or better. Students must have earned at least 60 semester hours and no more than 90 hours, and must register through the Office of Academic Assessment during the designated registration period. WPP 392 may only be attempted twice and is offered on a credit/no credit basis only. Prerequisite: ENG 103, 104 (or equivalent); at least 60 credit hours.

WPP 393 (ENG 393). Writing Proficiency Course. (2.0) Replaces WPP 392 (the university-required Writing Proficiency Exam). Required of all students who have not completed WPP 392 after two attempts, but is open to other students by permission. Offered on a credit/no credit basis, credit hours do not count toward graduation requirements. Prerequisite: ENG 103, 104 (or equivalent); at least 60 credit hours.

DEPARTMENT OF GEOLOGICAL SCIENCES

GEOLOGY (GEOL)

Dropped:

GEOL 410. Igneous and Metamorphic Petrology. (3.0)

GEOL 460. Hydrogeology. (3.0)

New:

GEOL 511. Advanced Igneous and Metamorphic Petrology. (3.0) Processes responsible for, and the rocks and minerals associated with, the formation of both igneous and metamorphic rocks. Microscopic to macroscopic features associated with these processes. Regularly scheduled laboratory. Prerequisite: GEOL 510 or permission of the department chairperson. Not open to students who have credit in GEOL 411.

Revised:

GEOL 101. Planet Earth's Geological Environment. (3.0) Introductory study of the materials, structure, and surface features of the earth; the processes responsible for their development; geologic hazards; and the application of geologic knowledge to mankind's environmental and resource problems. Weekly one-hour laboratory.

GEOL 220. Earth Materials. (3.0) Principles of crystallography and mineralogy and the relationships of minerals to the composition and types of rocks of the earth's crust. Laboratory work concerned with crystallographic operations and the identification of minerals by physical and chemical properties. Regularly scheduled laboratory. Prerequisite: GEOL 101; or permission of the department chairperson. Prerequisite or parallel: CHEM 111 or permission of the department chairperson. Not open to students who have credit in GEOL 435.

GEOL 240. Geomorphology. (3.0) Study of landforms and the earth surface processes that shape them. Effects of geology and climate on landscapes sculpted by weathering, mass movements, rivers, groundwater, volcanism, tectonics, wind, and waves throughout the world. Regularly scheduled laboratory; overnight field trip. Prerequisite: GEOL 101 or high school equivalent or permission of the department chairperson.

GEOL 308. Sedimentary Geology. (3.0) An introduction to the study of sedimentary rocks and processes. Sedimentary rock description, depositional environments, and the application of stratigraphic methods. Regularly scheduled laboratory and a field

trip. Prerequisite: GEOL 201 or permission of the department chairperson.

GEOL 310. Igneous and Metamorphic Petrology. (3.0) Origin and description of igneous and metamorphic rocks. Incorporates information on recent advances in our understanding of these rocks. Provides an overview of the field of petrology and a solid foundation for more advanced studies. Prerequisite: GEOL 220 or permission of the department chairperson.

GEOL 360 (460). Hydrogeology. (3.0) Occurrence and movement of surface water and groundwater, with special reference to the geologic environment. Prerequisite: GEOL 201 or 207 or 240 or NREM 211; MATHS 108 or high school equivalent, or permission of the department chairperson.

GEOL 383. Field Geology. (6.0) A capstone experience applying field techniques to the resolution of geologic problems. Group and individual projects include accumulation and interpretation of field observations and preparation of geologic maps, cross sections, and stratigraphic sections to answer geologic questions. Five-week summer field course in the Rocky Mountains. Prerequisite: GEOL 201, 220, 240, 290, 308; or permission of the department chairperson.

GEOL 409. Micropaleontology. (3.0) Morphology, classification, preparation techniques, and evolution of paleontologically significant microfossil groups and their biostratigraphic and paleoecologic significance. Emphasizes foraminifera, conodonts, and ostracodes. Regularly scheduled laboratory. Includes an immersion experience. Prerequisite: GEOL 308 or permission of the department chairperson.

GEOL 411 (410). Advanced Igneous and Metamorphic Petrology. (3.0) Processes responsible for, and the rocks and minerals associated with, the formation of both igneous and metamorphic rocks. Microscopic to macroscopic features associated with these processes. Regularly scheduled laboratory. Prerequisite: GEOL 220, 310 or permission of the department chairperson.

GEOL 416. Geology of Hazards and the Environment. (3.0) Applied geology for hazard and environmental problems. Properties and mechanics of rocks and soil; geologic materials in construction; erosion, mass wasting, subsidence; flooding, shoreline, seismic, volcanic, and other natural hazards. Dams, tunnels, mines, shoreline structures, and other special construction problems; groundwater engineering problems. Prerequisite: an introductory course such as GEOL 101, 207, 240; NREM 211 or EMHS 352; MATHS 108 or high school equivalent, or permission of the department chairperson.

GEOL 420. Oceanography. (3.0) Description of geological and physical characteristics of the oceans, marine processes, and related topics. Prerequisite: GEOL 201, 207; CHEM 111 or permission of the department chairperson.

GEOL 435. Sequence Stratigraphy. (3.0) Principles and practices of sequence stratigraphy. Use of surface and subsurface stratigraphic data in the reconstruction of depositional sequences and records of sea-level change. Includes an immersion experience. Prerequisite: GEOL 308 or permission of the department chairperson.

GEOL 508. Sedimentary Geology. (3.0) An introduction to the study of sedimentary rocks and processes. Sedimentary rock description, depositional environments, and the application of stratigraphic methods. Regularly scheduled laboratory and a field trip. Prerequisite: GEOL 201 or permission of the department chairperson. Not open to students who have credit in GEOL 308.

GEOL 509. Micropaleontology. (3.0) Morphology, classification, preparation techniques, and evolution of paleontologically significant microfossil groups and their biostratigraphic and paleoecologic significance. Emphasizes foraminifera, conodonts, and ostracodes. Regularly scheduled laboratory. Includes an immersion experience. Prerequisite: GEOL 508 or permission of the department chairperson. Not open to students who have credit in GEOL 409.

GEOL 510. Igneous and Metamorphic Petrology. (3.0) Origin and description of igneous and metamorphic rocks. Incorporates information on recent advances in our understanding of these rocks. Provides an overview of the field of petrology and a solid foundation for more advanced studies. Prerequisite: GEOL 220 or permission of the department chairperson. Not open to students who have credit in GEOL 310.

GEOL 516. Geology of Hazards and the Environment. (3.0) Applied geology for hazard and environmental problems. Properties and mechanics of rocks and soil; geologic materials in construction; erosion, mass wasting, subsidence, flooding, shoreline, seismic, volcanic, and other natural hazards. Dams, tunnels, mines, shoreline structures, and other special construction problems; groundwater

engineering problems. Prerequisite: an introductory course such as GEOL 101, 207, 240; NREM 211 or EMHS 352; MATHS 108 or high school equivalent, or permission of the department chairperson. Not open to students who have credit in GEOL 416.

GEOL 520. Oceanography. (3.0) Description of geological and physical characteristics of the oceans, marine processes, and related topics. Prerequisite: GEOL 201, 207; CHEM 111, or permission of the department chairperson. Not open to students who have credit in GEOL 420.

GEOL 535. Sequence Stratigraphy. (3.0) Principles and practices of sequence stratigraphy. Use of surface and subsurface stratigraphic data in the reconstruction of depositional sequences and records of sea-level change. Includes an immersion experience. Prerequisite: GEOL 508 or permission of the department chairperson. Not open to students who have credit in GEOL 435.

GEOL 560. Hydrogeology. (3.0) Occurrence and movement of surface water and groundwater, with special reference to the geologic environment. Prerequisite: GEOL 201 or 207 or 240 or NREM 211; MATHS 108 or high school equivalent; or permission of the department chairperson. Not open to students who have credit in GEOL 360.

GEOL 583. Field Geology. (6.0) An capstone experience applying field techniques to the resolution of geologic problems. Group and individual projects include accumulation and interpretation of field observations and preparation of geologic maps, cross sections, and stratigraphic sections to answer geologic questions. Five-week summer field course in the Rocky Mountains. Prerequisite: GEOL 201, 220, 240, 508, 590; or permission of the department chairperson.

DEPARTMENT OF PHYSICS AND ASTRONOMY

PHYSICS (PHYCS)

New:

PHYCS 151. Energy: Technology and Society. (3.0) An investigation of the sources, generation, transmission, storage, and uses of energy based on physical laws and processes, and an overview of the implications and consequences for society.

Teachers College

DEPARTMENT OF COUNSELING PSYCHOLOGY AND GUIDANCE SERVICES

COUNSELING PSYCHOLOGY (CPSY)

Revised:

CPSY 797. Seminar in Counseling Psychology. (3.0) An advanced professional seminar for doctoral students in counseling psychology. The seminar will focus on ethics, legal issues, professional identity, and practice and research issues in counseling psychology. Open only to doctoral students in counseling psychology.

DEPARTMENT OF EDUCATIONAL STUDIES

Revised:

MASTER OF ARTS IN CURRICULUM AND EDUCATIONAL TECHNOLOGY

This program recognizes the importance of integrating curriculum with innovative technology. In addition to core training in both areas, specialty tracks develop K-12 technology coordinators and master teachers who integrate learning technologies into the K-12 curriculum (EDTEC track) and curriculum specialists who direct curricular design, implementation, and evaluation in K-12 school (EDCUR track).

PREFIX	*NO*	*SHORT TITLE*	*CR HRS*
EDCUR	601	Curric Devel	3
	650	Curric Tech	3
EDSTU	671	Eval Ed Prog	3
EDTEC	670	Tech Pol Ped	3
6 hours from			
EDCUR	610	Elem Sch Cur (3)	
	620	Sec Sch Cur (3)	
	630	Jr H Mid Cur (3)	
	640	Alt Sch Curr (3)	6
3 hours from			
EDFON	631	Philosphy Ed (3)	
	641	Hist Amer Ed (3)	

	651	Ed Sociology (3)	3
EDSTU	676	Res Sec Ed	3
			21-24 hrs

In addition to the core courses, students must choose from one of two, 9-hour tracks.

Educational technology track, 9 hours from

3 hours from

EDTEC	585	School Infra (3)	
	655	Inquiry Simu (3)	
	660	Instr Dsign (3)	
	665	Digital Lit (3)	
	675	Distance Ed (3)	
	680	Advanc Media (3)	
	685	Ed Info Lead (3)	
	690	Practicum (2-4)	
	699	Ind Study (1-4)	3

6 hours from

SPCED	631	Comp Sp Nds (3)	
EDRDG	545	Compt in Rdg (3)	
MATHS	631	Tech Mth Tch (3)	
CS	516	Intro Prog 2 (3)	
	536	Database Dgn (3)	
	545	G U I (3)	
	555	Data Mining (3)	6
			9 hrs

6 hours maximum for EDTEC 690 and 699 combined. At the discretion of the Department of Educational Studies graduate advisor or EDTEC program advisor, an introductory course in educational computing may be required for a student seeking the master′s degree. If so, any course designed for teachers that is an introduction to computers may be used. In such cases, EDTEC 550 must be taken as an elective.

Curriculum track, 9 hours

EDCUR	610	Elem Sch Cur (3)	
	620	Sec Sch Cur (3)	
	630	Jr H Mid Cur (3)	
	640	Alt Sch Curr (3)	
	673	Eval Ed Mtrl (3)	
	675	Eval Ed Prsl (3)	
EDSTU	680	Stf Dvlp Cur (3)	9
			9 hrs

A *B* or better grade is required in EDSTU 671.

EDUCATION: CURRICULUM (EDCUR)

Revised:

EDCUR 673. Curriculum Evaluation. (3.0) Students examine and apply approaches to the evaluation of various dimensions of the curriculum planning cycle in a Pre K-12 context in terms of their probable effect on learners and their ability to constrain or enable curricular decision-making for the values of democracy, equity, and diversity. Prerequisite: EDCUR 601.

DEPARTMENT OF ELEMENTARY EDUCATION

EDUCATION: ELEMENTARY (EDEL)

Dropped:

EDEL 745. Professional Issues in Early Childhood Education. (3.0)

Revised:

EDEL 351. Teaching in the Kindergarten/Primary Program. (3.0) Planning and implementing programs for children in kindergarten and primary grades. Prerequisite: admission to teacher education program. Open only to early childhood education majors. Students are not permitted to register simultaneously in EDEL 301 and 351. May be repeated only once.

EDEL 630. School, Family, and Community Partnerships. (3.0) Benefits, challenges, and principles of family involvement in early childhood settings and elementary schools with an emphasis on the diversity of contemporary families. The significance of genuine partnerships between the home, school, and community as a foundation for optimal educational development of young children and program improvement.

EDEL 645 (745). Advocacy and Policy in Childhood Education. (3.0) Examines professional responsibility in the field of early childhood education, considering issues such as ethics, equity, standards, assessment, accreditation, the preparation of early childhood educators, and advocacy.

Ron Murphy, Associate Director
Office of Academic Systems