

BALL STATE UNIVERSITY

ACADEMIC POSTING

2010-2011

VOLUME XLII – 7

March 18, 2011

This posting may contain all or part of the following: new, revised, and dropped programs, courses and prefixes. The posting period begins March 21, 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.*

College of Applied Sciences and Technology

SCHOOL OF PHYSICAL EDUCATION, SPORT, AND EXERCISE SCIENCE

Demurrer (unresolved)

Reinstate:
SECONDARY PHYSICAL EDUCATION LICENSE, 29 hours

Demurrer of Posting 5, February 14, 2011 is unresolved.

DEPARTMENT OF TECHNOLOGY

INDUSTRY AND TECHNOLOGY: COMPUTER TECHNOLOGY (ITCMP)

Demurrer (unresolved)

Remove:
ITCMP 250. Scripting for Information Technology Administrators. (3.0)

Demurrer of Posting 5, February 14, 2011 is unresolved.

College of Architecture and Planning

DEPARTMENT OF ARCHITECTURE

Revised:

MASTER OF ARCHITECTURE II (MARCH II)

PREFIX	NO	SHORT TITLE	CR HRS
		Core area	9-12
		Optional area	9-12
		Thesis or creative project	6
		Electives	6
			<hr/>
			30 hrs

The MARCH II program offers students from diverse geographical, educational, and professional backgrounds a highly customizable platform from which to explore innovation with multiple applications to advanced design. This flexible curriculum offers students opportunities to engage the wide range of course offerings within the university and develop interdisciplinary, entrepreneurial, and immersive design and research projects. Research and collaboration with industry partners and a hands-on perspective are key philosophies.

The core requirement may be waived in response to the student's education and research interests, and a plan of study will be tailored to her/his specific needs. Credit transfers will be reviewed individually, and the degree may be pursued in tandem with one or more of the university's certificate programs. The minimum

degree requirement is 30 hours of graduate credit, and students are required to complete a 6-hour thesis or creative project.

Miller College of Business

DEPARTMENT OF INFORMATION SYSTEMS AND OPERATIONS MANAGEMENT

Revised:

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

PREFIX	NO	SHORT TITLE	CR HRS
<i>Professional education sequence, 33 hours</i>			
EDFON	420	Fnds of Educ	3
EDJHM	385	Prin Mid Sch	3
EDMUL	205	Multi Educ	3
EDPSY	251	Dev Sec Ed	3
	390	Educ Psychol	3
EDSEC	150	Basic Concept	3
	380	Prin Sec Sch	3
	460	St Tch Secon (6-7)	7
	465	Elec St Tch (3 or 5)	5

33 hrs

See Professional Education Assessment/Decision Points, p. 481, for additional information.

College of Communication, Information, and Media

CENTER FOR INFORMATION AND COMMUNICATION SCIENCES

INFORMATION AND COMMUNICATION SCIENCES (ICS)

New:

ICS 662. Usability Testing. (3.0) Discussion of the human factors, concepts, and techniques used in testing systems and products for their usability. This

course involves designing and completing testing of a system or product selected by the student.

College of Sciences and Humanities

SCIENCE

Dropped:

DOCTOR OF EDUCATION (EdD) IN SCIENCE

Revised:

DOCTOR OF PHILOSOPHY (PhD) IN ENVIRONMENTAL SCIENCE

This degree prepares graduates for careers in post-secondary education, where research is among the professional expectations and for careers in scientific research in the public and private sectors. Unique to this degree is its interdisciplinary focus. Each student's program originates in a major discipline, is complemented by course work from other scientific disciplines, and culminates in a dissertation that draws from more than one discipline. Each student will participate in an interdisciplinary research seminar every semester in residence and will present his/her research at several meetings of the seminar. Students develop the skills necessary to pursue complex questions in environmental science that require an interdisciplinary approach. Applicants must meet the admission requirements of the Graduate School.

Degree Requirements

PREFIX	NO	SHORT TITLE	CR HRS
Environmental science core, 21 hours			
BIO	656	Ecosystems	3
	657	Mult Env Dat	3
CHEM	626	Adv Analytic	3
	627	Env Analysis	3
ID	705	Resrch Collq (1-3)	3
GEOL	660	Sem Hydrogeo	3
	670	Sem Geochem	3
			21 hrs
SCI	790	Intern Sc Ed (1-4)	3
DISS	799	Drs Dissert (1-24)	10

Directed electives	26
Approved graduate transfer credit	30
	<hr/> 90 hrs

DEPARTMENT OF COMPUTER SCIENCE

Revised:

MAJOR IN COMPUTER SCIENCE, 66-70 hours

A grade of C- or better must be earned in each core course if the course is to be counted toward fulfilling the CS major requirements.

PREFIX	NO	SHORT TITLE	CR HRS
CS	120	Comp Sci 1	4
	121	Comp Sci 2	4
	124	Discr Struct	3
	222	Adv Program	3
	230	Org Arch 1	3
	239	Soc Prof Iss	1
	324	Dsg Ana Algo	3
	327	Networks	3
	335	Prog Lang	3
	376	Op Systems	3
	436	Database Dsg	3
	470	Thy Cmptn 1	3
	495	Soft Eng 1	3
	CS	496	Soft Eng 2 (3)
or 498		Soft Eng 2 S (3)	3
MATHS	161	Appl Calc 1 (3)	
	or 165	Calculus 1 (4)	3-4
MATHS	162	Appl Calc 2 (3)	
	or 166	Calculus 2 (4)	3-4
MATHS	221	Pbty Stats (3)	
or			
ECON	221	Bus Stats (3)	3
BIO	111	Princ Bio 1 (3)	
or			
GEOL	101	Planet Earth (3)	
or			
CHEM	111	Gen Chem 1 (4)	
or			

PHYCS	120	Gen Phys 1 (5)	3-5
			<hr/> 54-58 hrs

Electives, 12 hours from

CS	310	Web Prog (3)
	315	Game Prog (3)
	339	Seminar (3)
	345	H C I (3)
	347	Net Security (3)
	369	Prof Exp (1-3)
	397	N-Tier Arch (3)
	430	System Prog (3)
	438	Graphics (3)
	446	Sys Admin (3)
	455	Data Mining (3)
	456	Image Proc (3)
	457	Appl Cryptog (3)
	499	Ind Study (3)

An in-major GPA of 2.0 or better is required.

12

66-70 hrs

To begin a program in computer science the student must have a mathematical background strong enough to take the first required calculus course. Students are encouraged to take the MATHS 165, 166 calculus sequence in place of MATHS 161, 162. This will add 2 hours to the program. MATHS 215 substitutes for CS 124. ECON 221 substitutes for MATHS 221.

MINOR IN COMPUTER SCIENCE, 17 hours

PREFIX	NO	SHORT TITLE	CR HRS
CS	120	Comp Sci 1 (4)	
	121	Comp Sci 2 (4)	
	124	Discr Struct (3)	
	222	Adv Program (3)	
	230	Org Arch 1 (3)	
	239	Soc Prof Iss (1)	
	310	Web Prog (3)	
	315	Game Prog (3)	
	324	Dsn Ana Algo (3)	
	327	Networks (3)	
	345	H C I (3)	
	347	Net Security (3)	
	436	Database Dsg (3)	
	438	Graphics (3)	
455	Data Mining (3)		
456	Image Proc (3)		

17 hrs

At least 9 credit hours must be BSU courses. Minor GPA must be 2.0 or better.

DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL MANAGEMENT

NATURAL RESOURCES AND ENVIRONMENTAL MANAGEMENT (NREM)

Dropped:

NREM 350. Hazardous Materials Health and Safety. (3.0)

NREM 550. Hazardous Materials Health and Safety. (3.0)

EMERGENCY MANAGEMENT AND HOMELAND SECURITY (EMHS)

Revised:

EMHS 350 (NREM 350). Hazardous Materials Health and Safety. (3.0) Worker health and safety principles and practices in: handling hazardous materials, waste remediation, and emergency responses to accidental chemical releases and terrorist episodes.

EMHS 550 (NREM 550). Hazardous Materials Health and Safety. (3.0) Worker health and safety principles and practices in: handling hazardous materials, waste remediation, and emergency responses to accidental chemical releases and terrorist episodes. Not open to students who have credit in EMHS 350.

DEPARTMENT OF PHILOSOPHY AND RELIGIOUS STUDIES

RELIGIOUS STUDIES (RELST)

Revised:

RELST 290. Topics in Asian Religion. (3.0) Introduces, and critically evaluates, central myths, symbols, and rituals among different Asian religions. Students are introduced to discussions of theoretical explanations for myths, symbols, and ritual practices,

as well as their associated world views. A common thread throughout addresses problems specifically associated with the study of Asian religions. A total of 6 hours of credit may be earned, but no more than 3 in any one semester or term.

DEPARTMENT OF POLITICAL SCIENCE

Revised:

MAJOR IN POLITICAL SCIENCE, 42 hours

The political science curriculum incorporates a progression of required, core, elective, and capstone courses. Students are expected to have a foundation of required and core courses before taking elective and capstone courses, including internships. It is the *personal responsibility* of the student to complete the listed prerequisite of any course *before* registering for it. Please consult with the undergraduate advisor should there be any questions about the curriculum.

PREFIX	NO	SHORT TITLE	CR HRS
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POLS	130	Amer Nat Gov	3
	210	Pol Sci Res	3

Intermediate proficiency in a major modern language (Chinese, French, German, Japanese, or Spanish) or a major classical language (Greek or Latin) by enrolling in and passing one course at the 200 level or above.

Modern language courses taught in English are excluded. 3

Option 1: Political science, 33 hours 15 hours from

POLS	237	Stat Loc Pol (3)	
	280	Compar System (3)	
	293	Intl Relatns (3)	
	312	Early W Thot (3)	
		or	
	313	Mod Wst Thot (3)	
	342	Public Policy (3)	
	350	Pub Administ (3)	15

3 hours from senior capstone

POLS	369	Prof Exp (3)	
	404	Senior Thes (3)	
	479	Pract Exp (3)	
	499	Senior Sem (3)	3

15 hours from POLS (minimum of 9 hours in 300- and 400-level courses excluding 312, 342, 350) 15

42 hrs

All students will be required to take The Major Field Exam in Political Science before graduation.

Option 2: Economics, 33 hours

15 hours from

POLS	237	Stat Loc Pol (3)	
	280	Compar Systm (3)	
	293	Intl Relatns (3)	
	312	Early W Thot (3)	
	or		
	313	Mod Wst Thot (3)	
	342	Public Policy (3)	
	350	Pub Administ (3)	15

3 hours from senior capstone

POLS	369	Prof Exp (3)	
	404	Senior Thes (3)	
	479	Pract Exp (3)	
	499	Senior Sem (3)	3

9 hours from any 300- and 400-level political science electives (excluding 312, 342, 350)

9

6 hours from

ECON	332	Labr Rel Law (3)	
	345	Gov Budgets (3)	
	346	Law Econ (3)	
	370	Indust Organ (3)	6

42 hrs

A double major in Political Science and Economics may be more appropriate for pre-law students. See Economics, Liberal arts option, page 160, for total requirements in this program.

All students will be required to take the Major Field Exam in Political Science before graduation.

Option 3: International studies, 33 hours

15 hours from

POLS	280	Compar Systm (3)	
	281	Prob Em Nats (3)	
	290	Am Fr Policy (3)	
	293	Intl Relatns (3)	
	312	Early W Thot (3)	
	or		
	313	Mod Wst Thot (3)	
	345	Nat Def Poly (3)	15

3 hours from senior capstone

POLS	369	Prof Exp (3)	
	or		

EURO	369	Prof Exp (3)	
POLS	404	Senior Thes (3)	
	479	Pract Exp (3)	
	or		
EURO	479	Pract Exp (3)	
POLS	499	Senior Sem (3)	3

15 hours from

POLS	382	Westn Europe (3)	
	384	Brit Gov Pol (3)	
	385	Euro Union (3)	
	386	Pol Rus (3)	
	392	U N Intl Org (3)	
	394	Int Rln Asia (3)	
	395	Pol Glo Econ (3)	
	488	Gv Pol China (3)	
	490	Intrnatl Law (3)	
	493	Wrld Politcs (3)	
	494	Pol Terror (3)	
	495	F Pol China (3)	15

42 hrs

All students will be required to take the Major Field Exam in Political Science before graduation.

Teachers College

DEPARTMENT OF EDUCATIONAL LEADERSHIP

New:

CHARTER SCHOOL LEADERSHIP CERTIFICATE

PREFIX	NO	SHORT TITLE	CR HRS
EDAD	601	Intro Leader	3
	636	Dec Mkg	3
	683	Law/HR/SEd	3
	690	Imp St Ach	3
			12 hrs

DEPARTMENT OF EDUCATIONAL STUDIES

EDUCATION: LIBRARY (EDLIB)

Dropped:

302 Global and Multicultural Information and Materials: Pre K-12. (3)

333 Information Resources in Libraries. (3)

342 Technical Processing: Cataloging and Classification. (3)

345 Technical Processing: Cataloging and Classification of Nonbook Materials. (3)

380 School Media Center and Library Administration. (3)

381 Media Practicum. (1-4)

395 Methods and Materials for School Library Media Centers. (3)

460 Selection of Library Materials. (3)

461 Materials for Children. (3)

462 Materials for Young Adults. (3)

502 Global and Multicultural Information and Materials: Pre K-12. (3)

533 Information Resources in Libraries. (3)

542 Technical Processing: Cataloging and Classification. (3)

545 Technical Processing: Cataloging and Classification of Nonbook Materials. (3)

558 Library Materials and Services for Children and Young Adults. (3)

559 Media Practicum. (1-4)

560 Selection of Library Materials. (3)

561 Materials for Children. (3)

562 Materials for Young Adults. (3)

580 School Media Center and Library Administration. (3)

695 Seminar in School Library Problems. (3-9)

696 Independent Study. (1-3)

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