BALL STATE UNIVERSITY
ACADEMIC POSTING
2013-2014

VOLUME XLV – 1   August 16, 2013

This posting may contain all or part of the following: new, revised, and dropped programs, courses and prefixes. The posting period begins August 19, 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 May 27, 2013 is Fall Semester 2014. Graduate materials posted after April 16, 2012 have an implementation date of Fall Semester 2014.*

COLLEGE OF APPLIED SCIENCES AND TECHNOLOGY

Department of Technology

Correction:

MAJOR IN CONSTRUCTION MANAGEMENT, 96 hours

Students preparing for management positions in the field of construction will complete the program below with a required minor in business administration. The option prepares graduates to become project managers, estimators, project planners, technical trainers, CAD technicians, safety officers, site superintendents, product marketing representatives, and purchasers.

Two required internship experiences provide students with relevant work experience in the field of construction.

PREFIX	NO	SHORT TITLE	CR HRS
ECON	201	Elementary Microeconomics	3
MATH	132	Brief Calculus	3
	181	Elementary Probability Stats (3)	
	or		
ECON	221	Business Statistics (3)	3
PHYC	110	General Physics 1	4
	112	General Physics 2 (4)	
	or		
CHEM	111	General Chemistry 1 (4)	4
NREM	211	Water Resources (3)	
	or		
NREM	221	Soil Resources (3)	3
TCST	104	Introduction to Construction	3
	106	CAD for Const Management	3
	180	Construction Documents	3
	200	Site Preparation	3
	222	Technical Presentation	3
	250	Construction Methods Matls 1	3
	261	Mechanical Construction	3
	262	Electrical Construction	3
	300	Structural Mechanics	3
	310	Ethics in Construction	3
	320	Estimating	3
	355	Planning and Scheduling	3
	365	Construction Safety	3
	400	Const Proj Mngmnt	3
	420	Construction Finance and Law	3
	460	Capstone in Construction	3
TDPT	380	Internship in Technology (3)	6

TCST technical electives approved by advisor			7
			81 hrs

The prerequisite for MATH 132 is a *C-* or better in MATH 111, or an appropriate score on the SAT/ACT or on the mathematics placement test, or permission of the department chairperson. The prerequisite for ECON 221 is a *C* or better grade in MATH 111 or a passing grade in MATH 132, 161, 162, 165, or 166. Other prerequisites may be necessary for MATH 111.

CHEM 111, ECON 201, MATH 132, PHYC 110, and TCST 460 are required as part of the University Core Curriculum.

Students may elect to take MATH 112, 125, and one additional science course (PHYC 112 or CHEM 112) instead of taking MATH 132 to meet accreditation, university, and program requirements. This election may take more than 120 credit hours for graduation.

Minor in Business Administration for Construction Management, 15 hours

ACC	201	Principles of Accounting 1	3
BL	260	Principles of Business Law	3
ISOM	251	Introductory Operations Mgt	3
MGT	300	Managing Behavior in Org	3
Business elective			3
			15 hrs

Students may choose the business elective from ACC 202; ECON 202; RE 230; RMI 270; MGT 241, 261; or other business elective as approved by the construction management student advisor.

MILLER COLLEGE OF BUSINESS

Department of Information Systems and Operations Management

INFORMATION SYSTEMS AND OPERATIONS MANAGEMENT (ISOM)

Correction:

ISOM 361 Simulation, Modeling, and Optimization (3)

Revise prerequisite: ECON 221 or equivalent or permission of the department chairperson.

Add: Prerequisite or parallel: ISOM 351 or permission of the department chairperson.

COLLEGE OF SCIENCES AND HUMANITIES

Department of Computer Science

COMPUTER SCIENCE (CS)

New:

370 Professional Experience 2 (1-6) Professional or volunteer work experience in computing. Students must submit a project plan and obtain supervisor approval before registering. Requires verification of project completion. Offered credit/no credit only. Note: unlike CS 369, this course does not count as an elective on the computer science major program.
Prerequisite: permission of the department chairperson.
Parallel: CS 369.
A total of 6 hours of credit may be earned.

Revised:

339 Advanced Topics Seminar (3-6) In-depth study of a topic taught in a seminar format. Topics will be posted in the department before registration.
Prerequisite: CS 222 with *C-* or better grade and permission of the department chairperson.
A total of 6 hours of credit may be earned.

Open only to juniors and seniors.

369 Professional Experience 1 (1-3) Professional or volunteer work experience in computing. Students must submit a project plan and obtain supervisor approval before registering. Requires verification of project completion. Offered credit/no credit only.
Prerequisite: CS 222 with *C-* or better grade and permission of the department chairperson.
A total of 3 hours of credit may be earned.

499 Independent Study (1-6) Special advanced studies of computer science topics not taught in other courses.
A total of 6 hours of credit may be earned.
Open only to juniors and seniors.

539 Current Topics (3-6) In-depth study of a topic taught in a seminar format. Topics will be posted in the department before registration.
A total of 6 hours of credit may be earned.
A total of 12 hours of combined CS 539, 639, and 699 credit may be earned.

639 Seminar in Computer Science (3-6) Readings and conferences assigned in some particular problem or group of problems in computer science.
A total of 6 hours of credit may be earned.
A total of 12 hours of combined CS 539, 639, and 699 credit may be earned.

699 Reading and Honors (1-6) Special advanced work not offered in other courses. Requirements include a final written report.
Prerequisite: permission of the department chairperson.
A total of 6 hours of credit may be earned.
A total of 12 hours of combined CS 539, 639, and 699 credit may be earned.

TEACHERS COLLEGE

Department of Educational Studies

EDUCATION: SECONDARY (EDSE)

New:

320 Reading for Diverse Learners in Secondary Content Classes (3) Prepares secondary pre-service teachers to meet the developmental literacy/learning needs of the diverse student population that they will encounter in their content area classes. Offered online only.
Prerequisite: successful completion of an introductory course in the content major and completion of Decision Point 2 and admission to Teacher Education.

Department of Special Education

SPECIAL EDUCATION (SPCE)

Dropped:

499 Senior Seminar in Special Education (1)

New:

419 Student Teaching: Early Childhood Special Education (1-12) Full time classroom experience in a program(s) serving young children with special needs.
Prerequisite: admission to student teaching.
A total of 12 hours of credit may be earned.

Revised:

215 Assessment of Young Children With Exceptional Needs (3) Procedures for assessing young children with exceptional needs, infancy through age six. Use of observational techniques and formal and informal assessment methodology will be investigated.
Parallel: SPCE 210.

309 Principles of Applied Behavior Analysis for Special Education (3) Introduction to the basic principles of applied behavior analysis for classroom applications. Strategies for classroom management and for promoting conducive learning environments are emphasized.

378 Instructional Methods for Children and Youth with Severe Disabilities (3) Contemporary best practices and standards in Individualized Educational Plan (IEP) development and instructional design and implementation in natural settings for students who require severe interventions are presented and applied at the early and middle childhood levels.
Prerequisite: SPCE 377 with a grade of *C* or better.
Parallel: SPCE 362.

379 Educational Methods for Children and Youth with Physical and Multiple Disabilities (3) Contemporary best practices in curriculum design, instructional adaptations featuring high and low technology, environmental modifications, and physical and medical management suitable for students with physical and multiple disabilities or health impairments are presented within a transdisciplinary learning model.
Prerequisite: SPCE 366 with a grade of *C* or better.

380 Educating High School Students with Severe Disabilities (3) Contemporary best practices in instructional design, implementation, and monitoring for students who require severe interventions are presented and applied at the adolescent and young adult level. Topics include transitional planning, job training, group instruction, and advanced positive supports for challenging behaviors.

Prerequisite: SPCE 201 and 202 with a grade of *C* or better, admission to the teacher education program, and passing scores on the PPST.

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