Academic Notes

ACADEMIC NOTES PUBLICATION SCHEDULE

Below is the publication schedule for the electronic copy of *Academic Notes* through December 30, 2013. All submissions for inclusion in Academic Notes are due in the Office of Academic Affairs no later than 11:00 a.m. on the Deadline for Items date shown below. Submissions must be in hard copy along with an email, zip drive, or CD with the same information. The electronic version must be formatted either in Word with pages with signatures scanned and inserted as a picture OR PDF saved as text and image. (Do NOT send PDF just saved as an image.) Information submitted to Academic Notes that is not accompanied by an electronic version or that is incomplete or unusable will be returned to the appropriate office. Academic Notes is available using Acrobat Reader at http://www.indstate.edu/academicaffairs/academic_notes.htm
During the summer months, Academic Notes is published every other week.
If you have questions, please contact Yvonne Russell in Academic Affairs, extension 3662.

ACADEMIC NOTES PUBLICATION SCHEDULE FOR SPRING 2014

Deadline for Items	Issue Date
January 24	February 3
January 31	February 10
February 7	February 17
February 14	February 24
February 21	March 3
February 28	March 10
March 7	March 17
March 14	March 24
March 21	March 31
March 28	April 7
April 4	April 14
April 11	April 21
April 18	April 28
April 25	May 5

CURRICULUM

INDEX

UNDERGRADUATE PROPOSALS

NEW COURSES

COLLEGE OF TECHNOLOGY: Built Environment

SFTY 341 - Applied Probability and Statistics for Engineering and Technology
3 credits

This course covers topics in probability theory and statistics applied in engineering and technology. The course starts with random variable, continuous/discrete probability distributions, followed by variety of statistical analysis methods for decision making in safety, engineering and technology such as different Hypothesis Tests, ANOVA, Categorical Data Analysis, and Design of Experiments.
Prerequisite: Math 115 or MET 215 or equivalent.
A-F Grading
Effective term: Fall 2014

SFTY 446 - Hazardous Material Operation
3 credits
The course presents guidelines of organizational and legislative aspects of managing hazardous waste and materials in the workplace. Students learn effective operations procedures for handling, usage, storage, transportation, and disposal of hazardous substances Students will learn the basic concepts, principles, and practices of recognition, evaluation, and control of hazardous materials.
A-F Grading
Effective term: Fall 2014

COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Kinesiology, Recreation, and Sport

PE 476 - Advanced Strength and Cond
3 credits
This course is designed to explore the theory and practice of strength and conditioning to include the history of strength development, current advanced applications, and future direction.
Prerequisite: PE 385.
A-F Grading
Effective term: Fall 2014

COURSE REVISIONS

BAYH COLLEGE OF EDUCATION: Elementary, Early and Special Education

ELED 335 - Early Childhood: Teaching and Learning in the Kindergarten
3 credits
This course focuses on the pedagogical knowledge and skills taught in kindergarten classrooms. The course integrates national and state developmental and content standards into curriculum planning to work with diverse learners. Field experience is required in a kindergarten classroom.
Prerequisites: Admission to the BCP.
Change prerequisite to:
ELED 335 - Early Childhood: Teaching and Learning in the Kindergarten
3 credits
This course focuses on the pedagogical knowledge and skills taught in kindergarten classrooms. The course integrates national and state developmental and content standards into curriculum planning to work with diverse learners. Field experience is required in a kindergarten classroom.

Prerequisites: Admission to the BCP I.
A-F Grading
Effective term: Fall 2014

ELED 457 - Elementary and Special Education Capstone
3 credits
ELED 457, coupled with the final field experience of student teaching, is the culminating experience preceding professional teacher certification, This course meets the Foundation Studies Integrative Upper Division Elective, Students will demonstrate their ability, through a teacher work sample, to apply knowledge and skills within and across the fundamental ways of knowing, This narrative explains specific aspects of the course that meet the goals of the Foundational Studies Program.
Prerequisites: Concurrent enrollment with ELED 451, 453, and admission to BCP III.
Foundational Studies Credit: {FS2011: Integrative Upper Division Elective}

Change prerequisite to:

ELED 457 - Elementary and Special Education Capstone
3 credits
ELED 457, coupled with the final field experience of student teaching, is the culminating experience preceding professional teacher certification, This course meets the Foundation Studies Integrative Upper Division Elective, Students will demonstrate their ability, through a teacher work sample, to apply knowledge and skills within and across the fundamental ways of knowing, This narrative explains specific aspects of the course that meet the goals of the Foundational Studies Program.
Prerequisites: Concurrent enrollment with ELED 451, 453, and admission to BCP II.
Foundational Studies Credit: {FS20 11: Integrative Upper Division Elective}
A-F Grading
Effective term: Fall 2014

SPED 405 - Supervised Student Teaching in Elementary Education Inclusive Setting and Special Education Resource Setting – Mild Intervention
5-13 credits
Student teaching is the culmination of the teacher preparation program. Special education students will experience student teaching in two settings: elementary, and secondary (middle school or high school) in classes that are inclusive of students who have Mild Intervention needs.
Co-requisites: This course will be taken concurrently with SPED 457. Admission to BCP-I

Add prerequisite to:

SPED 405 - Supervised Student Teaching in Elementary Education Inclusive Setting and Special Education Resource Setting—Mild Intervention
5-13 credits
Student teaching is the culmination of the teacher preparation program. Special education students will experience student teaching in two settings: elementary, and secondary (middle school or high school) in classes that are inclusive of students who have Mild Intervention needs.
Co-requisites: This course will be taken concurrently with SPED 457.
Pre-requisites: Admission to BCP II.
A-F Grading
Effective term: Fall 2014

SPED 457 - Special Education Capstone
3 credits
Coupled with the final field experience of student teaching, is the culminating experience preceding professional teacher licensure. Pre-service teachers will complete a teacher work sample demonstrating their content knowledge, methodologies, and assessment strategies.
Co-requisites: Concurrent enrollment in SPED 405 and admission to BCP-I

Add prerequisite to:

SPED 457 - Special Education Capstone
3 credits
Coupled with the final field experience of student teaching, is the culminating experience preceding professional teacher licensure. Pre-service teachers will complete a teacher work sample demonstrating their content knowledge, methodologies, and assessment strategies.
Co-requisites: Concurrent enrollment in SPED 405.
Pre-requisites: Admission to BCP II.
A-F Grading
Effective term: Fall 2014

PROGRAM REVISIONS

COLLEGE OF TECHNOLOGY: Built Environment

Safety Management Major (66 credits)
CIP Code: 150701 Major Code: E822

Brief Summary:

The purpose of this proposal is to replace the existing course requirements of AHS 340 (Health Biostatistics) and AHS 419 (Hazardous Substances and Waste) which are mostly health-oriented with two new courses SFTY 341 (Applied Probability and Statsitices in Engineering and Technology) and SFTY 446 (Hazardous Material Operations), courses which are more technology-oriented for undergraduate students majoring in Safety Management. SFTY 314 will also be available to students in other College of Technology majors that require a statistics course.

This change in program is based on the feedback received from the advisory board, alumni currently working in different industry sections, and current students (lacking the necessary skills for more advanced courses).

Student Learning:

SFTY 341

The undergraduate students majoring in Safety Management do not acquire the statistical analysis skills and knowledge applied to their field by taking the existing statistics courses (AHS 340, BUS

205 and MATH 241). By proposing a new course (SFTY 341 – Applied Probability and Statistics for Engineering and Technology) additional topics will be taught to Safety Management students that are more relevant to their field.

The missing topics in the existing statistics courses which are going to be included in SFTY 341 are:

- Continuous distribution such as Weibull, Exponential, gamma distributions and discrete distributions such as Binomial and Poison. (such topics are necessary for system safety analysis, reliability analysis and etc.)

- Categorical Data Analysis (this topic is essential in System Safety Analysis, Industrial Hygiene, Ergonomics and etc.)

- ANOVA (in depth knowledge of this topic is necessary for Ergonomics, Industrial Hygiene, and etc.)

- Design of Engineering Experiments (this topic is essential in System Safety Analysis, Ergonomics, Accident Prevention, Fire Protection and etc.)

- 2^k Factorial Design (this topic is essential in System Safety Analysis, Ergonomics, Accident Prevention, Fire Protection and etc.)

SFTY 446

The current content of AHS 419 is mostly suitable for public health and environmental health application as does not cover industrial applications. The new proposed SFTY 446 will focus more on Hazardous Waste Operations and Emergency Response Standard (HAZWOPER) and the undergraduate students majoring in Safety Management who successfully pass this course will receive HAZWOPER certification at the end of the semester.

Proposed Catalog Copy:

Safety Management Major (65 credits)
CIP Code: 150701 Major Code: E822

REQUIRED SAFETY MANAGEMENT MAJOR COURSES (44 CREDITS):

SFTY 212 - Introduction to Industrial Health and Safety 3 credits
SFTY 314 - Industrial Health and Safety Legislation 3 credits
SFTY 315 - Industrial Hygiene I 3 credits
SFTY 315L - Industrial Hygiene I Laboratory 1 credits
SFTY 318 - Industrial Accident Prevention I 3 credits
SFTY 319 - Industrial Accident Prevention II 3 credits
SFTY 328 - Fire Protection Systems/Techniques 3 credits
SFTY 335 - Industrial Hygiene II 3 credits
SFTY 335L - Industrial Hygiene II Laboratory 1 credits
SFTY 341 – Applied Probability and Statistics in Engineering and Tech 3 credits

SFTY 411 - Analysis Techniques in Industrial Health and Safety 3 credits
SFTY 416 - Administration of Industrial Health and Safety Programs 3 credits
SFTY 423 - Current Issues and Training Concepts in Industrial Health and Safety 3 credits
SFTY 446 – Hazardous Materials Operations 3 credits
SFTY 460 - Human Factors/Ergonomics 3 credits
SFTY 492 - Professional Field Practice Internship in Safety Management 3 credits

MAJOR COURSES WHICH MAY FULFILL FOUNDATIONAL STUDIES (15 CREDITS):

CHEM 103 - Elementary Chemistry 3 credits
CHEM 103L - Elementary Chemistry Laboratory 1 credits
CHEM 104 - Elementary Organic and Biochemistry 3 credits
CHEM 104L - Elementary Organic and Biochemistry Laboratory 1 credits
MATH 115 - College Algebra 3 credits
or
MET 215 - Graphic Analysis 3 credits
PHYS 105 - General Physics I 3 credits
PHYS 105L - General Physics I Laboratory 1 credits

BASIC FOUNDATION COURSES (6 CREDITS):

MGT 301 - Survey of Management 3 credits
TMGT 492 - Industrial Supervision 3 credits
or
HRD 480 - Industrial Organizational Psychology 3 credits
or
HRD 495 - Contemporary Issues in Human Resource Development 1-3 credits

Effective term: Fall 2014

GRADUATE PROPOSALS

NEW COURSES

COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Applied Health Sciences

AHS 720 - Health Promotion and Wellness
1 credit
This course will enable students to understand how healthy behaviors can prevent disease and improve quality of life. It will provide students with the background and skills necessary to identify unhealthy or at-risk individuals/populations, use theory driven health promotion interventions, and evaluate these interventions.
Prerequisites: PHTH 701, 706, 710, and 712 or consent of instructor

A-F Grading
Effective term: Fall 2014

COURSE REVISIONS

COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Kinesiology, Recreation, and Sport

PE 675 - Advanced Strength and Conditioning Theory
3 credits
This course is designed to explore the theory and practice of strength and conditioning including the history of strength development, current advanced applications, and future direction.
Change title and number to:
PE 576 - Advanced Strength and Cond
3 credits
This course is designed to explore the theory and practice of strength and conditioning to include the history of strength development, current advanced applications, and future direction.
A-F Grading
Effective term: Fall 2014

CORRECTIONS

The following corrections are reflected in *bold and italics:

GRADUATE APPROVALS

NEW COURSES

COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Applied Health Sciences

AHS 625 - Community Nutrition Practice
4 credits
Supervised practice experiences in community nutrition settings. This course provides students with the opportunity to apply nutrition assessment techniques in supervised community and clinical settings, assess community populations for available or needed services in food and nutrition, and develop and implement nutrition counseling and education strategies.
Prerequisites: AHS 221 or equivalent, AHS 322, AHS 521.
Co-requisites: AHS 525
Note: Open to dietetic students only.
A-F Grading
Effective term: Fall 2014