



# *Academic Notes*

March 8, 2010

AN 2009-2010

## **ACADEMIC NOTES PUBLICATION SCHEDULE FOR SPRING 2010**

Below is the circulation schedule for the electronic copy of *Academic Notes* through May 10, 2010. All submissions for inclusion in *Academic Notes* are due in the Office of Academic Affairs no later than 10:00 a.m. on the Wednesday prior to the distribution of *Academic Notes* on the following Monday. Submissions must be in hard copy along with an e-mail, disk, 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](http://www.indstate.edu/academicaffairs/academic_notes.htm)

## **ACADEMIC NOTES PUBLICATION SCHEDULE FOR SPRING 2010**

<b><u>Deadline for Items</u></b>	<b><u>Issue Date</u></b>
March 10	March 15
March 17	March 22
March 24	March 29
March 31	April 5
April 7	April 12
April 14	April 19
April 21	April 26
April 28	May 3
May 5	May 10

## **REORGANIZATION OF THE COLLEGE OF TECHNOLOGY**

The request for reorganization is the culmination of several months of discussions within the College of Technology. On November 6, 2009, at an all-faculty meeting during an all day retreat of the College of Technology (COT), after thorough discussion, a vote was taken to reorganize the COT into five departments comprising the areas of applied engineering and technology management, aviation, built environment, electronics and computer engineering technology, and human resource development and performance technologies (27-5-1). On February 3, 2010, the COT Faculty Council approved a ballot to be sent to all faculty for a ratification vote of the proposed new College organizational structure. On February 11, 2010, the Faculty Council met to tally the ballots and ratify a second approval by an overwhelming majority of over 2/3 of the eligible voting faculty (23-5-1.)

The five proposed departments will be structured as follows:

**Applied Engineering and Technology Management (Abbreviation: AETM)**

- Advanced Manufacturing Management BS
- Advanced Manufacturing Management minor
- Automotive Engineering Technology BS
- Automotive Engineering Technology minor
- Automotive Technology Management minor
- Career & Technical Education BS
- Career & Technical Education MS for Teacher Licensure
- Industrial Technology MS
- Mechanical Engineering Technology BS
- Packaging BS
- Packaging minor
- Technology and Engineering Education BS
- Technology Education MS
- Technology Management BS
- Technology Management Ph.D.

The course prefixes that will reside in this department are: AET, CTE, MET, MFG, PKG, TCED, and TMGT.

**Department of Aviation Technology (Abbreviation: AVT)**

- Aviation Management BS
- Professional Aviation Flight Technology BS
- Aviation Technology minor

The course prefix that resides in this department is AVT.

**Department of Built Environment (Abbreviation: BILT)**

- Construction Management BS
- Construction Management minor

Other programs will be added pending approval.

The course prefix that will reside in this department is CNST.

**Electronics and Computer Engineering Technology (Abbreviation: ECT)**

- Automation and Control Engineering Technology BS
- Computer-Aided Design and Drafting minor
- Computer Engineering Technology BS
- Computer Engineering Technology minor
- Electronics Technology BS
- Electronics Technology minor
- Electronics and Computer Technology MS

An additional program will be added pending approval.

The course prefix that will reside in this department is ECT.

### **Human Resources Development and Performance Technologies (Abbreviation: HRDP)**

- Human Resource Development for Higher Education and Industry BS
- Human Resource Development for Higher Education and Industry minor
- Human Resource Development for Higher Education and Industry MS
- Certificate of Graduate Study in Human Resource Development

The course prefix that will reside in this department is HRD.

*Preferred effective term: Fall 2010*

## **ACALOG NOTE**

The format for curriculum proposals has changed to correspond with the structure of Acalog, the new version of the electronic catalogs. Some proposals will be published under the old structure and some under the new structure during this transition period.

### **Improved Electronic Catalog**

The new electronic version of the undergraduate catalog is posted at

<http://www.indstate.edu/academics/catalogs.htm> Some advantages of the new format are:

- It is easily searchable and searchable from the internet
- It is easier for students and advisors to find and choose the courses students need
- Students create a personal portfolio of courses in which they are interested
- Links to information such as department web sites, advising information, and video clips can easily be added
- Every page can easily be printed.

If you have questions, please contact Academic Affairs, extension 3662.

## **CURRICULUM**

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# UNDERGRADUATE PROPOSALS

## NEW COURSES

### **COLLEGE OF ARTS AND SCIENCES: Chemistry and Physics**

#### **PHYS 315 – Advanced Laboratory I**

1 credit

Advanced experiments in atomic, nuclear physics, solid state physics, and optics.

**Prerequisite:** PHYS 216L.

A-F Grading

*Preferred effective term: Fall 2010*

#### **PHYS 316 - Advanced Laboratory II**

1 credit

A continuation of PHYS 315.

**Prerequisite:** PHYS 315.

A-F Grading

*Preferred effective term: Fall 2010*

### **COLLEGE OF ARTS AND SCIENCES: International Studies**

#### **IS 490 - Culminating Project in International Studies**

1 credit

Students reflect upon their study abroad experience, their concentration, and how these fit into their goals for the IS Minor. Resulting from this self-reflection is a project designed in consultation with their international studies faculty advisor. This project may consist of a 10-15 page paper, of a media-based presentation, or some other format.

A-F Grading

*Preferred effective term: Fall 2010*

### **COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Physical Education**

#### **PE 477 – Psychological Aspects of Sport Injury**

3 credits

This course is designed to explore the various topics related to the psychological aspects of sport injury. The focus is on theory and application. It examines issues associated with the onset, treatment, and rehabilitation of sport injury. Case studies are used to explore assessment and relevant intervention approaches. This is a participation intensive course. Students must be prepared to talk in class, contribute to discussion, and read the assigned readings prior to covering them in class.

**Note:** Open to graduate students. Graduate students are required to do additional work of a research nature.

A-F Grading

*Preferred effective term: Fall 2010*

## COURSE REVISIONS

### **COLLEGE OF ARTS AND SCIENCES: Economics**

#### **ECON 370 - Quantitative Tools in Economics**

3 credits

A survey of the mathematical and statistical tools that economists use to conduct theoretical and empirical analysis. The course will cover the connections of calculus, matrix algebra, and statistical regression to both macroeconomic and microeconomic analysis.

**Prerequisites:** ECON 200 and 201; MATH 115 or 131 or 201 or 301; and MATH 241 or BUS 205 and 305.

*Change title and description to:*

#### **ECON 370 – Econometric Analysis**

3 credits

A survey of the statistical tools used to conduct empirical analysis. The course covers the use of statistical regression to both macroeconomic and microeconomic analysis.

**Prerequisites:** ECON 200 and 201; MATH 115 or 131 or 201 or 301; and MATH 241 or BUS 205 and 305.

A-F Grading

*Preferred effective term: Fall 2010*

### **COLLEGE OF ARTS AND SCIENCES: Mathematics and Computer Science**

#### **MATH 111 - Intermediate Algebra**

3 credits

Polynomials, rational algebraic expressions, functions, graphs, inequalities, and theory of equations.

**Prerequisites:** appropriate placement examination (MAPLE T.A.) score or MATH 011.

**Note:** not open to students with credit for any higher-numbered mathematics course.

*Change number and note to:*

#### **MATH 099 - Intermediate Algebra**

3 credits

Polynomials, rational algebraic expressions, functions, graphs, inequalities, and theory of equations.

**Prerequisites:** appropriate placement examination (MAPLE T.A.) score or MATH 011.

**Note:** does not count as credit towards graduation. Not open to students with credit for any higher-numbered mathematics course.

S-U Grading

*Preferred effective term: Fall 2010*

#### **MATH 412 - Abstract and Linear Algebra**

3 credits

An introduction to algebraic structures, with emphasis on the number systems encountered in middle and high schools. Also covered are elements of linear algebra, including matrices and determinants. This course does not count towards the mathematics major.

**Prerequisites:** MATH 131 or 301.

**Note:** open to graduate students. Graduate students are required to do additional work of a research nature.

*Change title, description, and prerequisites to:*

**MATH 412 - Abstract Algebra**

3 credits

An introduction to groups, rings, and fields, including polynomial rings, divisibility, and unique factorization domains.

**Prerequisite:** MATH 380

**Note:** open to graduate students. Graduate students are required to do additional work of a research nature.

A-F Grading

*Preferred effective term: Fall 2010*

**COLLEGE OF ARTS AND SCIENCES: Political Science**

**PSCI 472 - Conflict and Cooperation in International Politics**

3 credits

This course examines why both conflict and cooperation can occur between countries, and uses case studies and simulation exercises to enhance student understanding of the theoretical arguments.

**Note:** open to graduate students. Graduate students are required to do additional work of a research nature.

*Change number and remove note to:*

**PSCI 372 - Conflict and Cooperation in International Politics**

3 credits

This course examines why both conflict and cooperation can occur between countries, and uses case studies and simulation exercises to enhance student understanding of the theoretical arguments.

A-F Grading

*Preferred effective term: Fall 2010*

**COURSE REVISIONS**  
**FOUNDATIONAL STUDIES CREDIT**

**COLLEGE OF ARTS AND SCIENCES: Communication**

**COMM 436 - Advanced Broadcasting and Film Writing**

3 credits

Techniques and problems of writing for television and film, emphasizing dramas.

**Prerequisites:** COMM 290 or equivalent.

**Note:** open to graduate students. Graduate students are required to do additional work of a research nature.

*Change title, add Foundational Studies Credit, and remove note to:*

**COMM 436 – Creating Stories for American Film and Television**

3 credits

Techniques and problems of writing for television and film, emphasizing dramas.

**Prerequisites:** COMM 290 or equivalent.

**Foundational Studies Credit:** [FS 2010: Fine and Performing Arts]

A-F Grading

*Preferred effective term: Fall 2010*

## **COLLEGE OF ARTS AND SCIENCES: Criminology and Criminal Justice**

### **CRIM 355 - The Economics of Crime**

3 credits

This course surveys the intersection of two areas of human behavior: criminal and economic. Social science methodology and basic concepts from economics and criminology are reviewed. An economics framework is applied to analyze criminal behavior and to evaluate the economic burden that crime imposes on a society. Lessons are applied to specific types of crime: property, white collar, illegal markets, and organized crime.

**Prerequisites:** CRIM 200

**Cross-listed:** also listed as Economics 355.

*Add Foundational Studies Credit to:*

### **CRIM 355 - The Economics of Crime**

3 credits

This course surveys the intersection of two areas of human behavior: criminal and economic. Social science methodology and basic concepts from economics and criminology are reviewed. An economics framework is applied to analyze criminal behavior and to evaluate the economic burden that crime imposes on a society. Lessons are applied to specific types of crime: property, white collar, illegal markets, and organized crime.

**Prerequisites:** CRIM 200

**Cross-listed:** also listed as ECON 355.

**Foundational Studies Credit:** [FS 2010: Integrative Upper-Division Electives]

*Preferred effective term: Fall 2010*

## **COLLEGE OF ARTS AND SCIENCES: Economics**

### **ECON 355 - The Economics of Crime**

3 credits

This course surveys the intersection of two areas of human behavior: criminal and economic. Social science methodology and basic concepts from economics and criminology are reviewed. An economics framework is applied to analyze criminal behavior and to evaluate the economic burden that crime imposes on a society. Lessons are applied to specific types of crime: property, white collar, illegal markets, and organized crime.

**Prerequisites:** 3 credits of introductory economics (ECON 100, 200, or 201)

**Cross-listed:** Also listed as CRIM 355

*Add Foundational Studies Credit to:*

### **ECON 355 - The Economics of Crime**

3 credits

This course surveys the intersection of two areas of human behavior: criminal and economic. Social science methodology and basic concepts from economics and criminology are reviewed. An economics framework is applied to analyze criminal behavior and to evaluate the economic burden that crime imposes on a society. Lessons are applied to specific types of crime: property, white collar, illegal markets, and organized crime.

**Prerequisites:** 3 credits of introductory economics (ECON 100, 200, or 201)



**Cross-listed:** Also listed as CRIM 355

**Foundational Studies Credit:** [FS 2010: Integrative Upper-Division Elective]

*Preferred effective term: Fall 2010*

## **COLLEGE OF ARTS AND SCIENCES: Philosophy**

### **PHIL 190 - The Philosophy of Star Trek**

3 credits

This course introduces some classical philosophical theories by using Star Trek episodes to illustrate such issues as ethics, the problem of other minds, the nature of time, and reality vs. illusion.

**General Education Credit:** [GE2000: Literary, Artistic, and Philosophical Studies-Elective]

*Change title, description, and General Education Credit to Foundational Studies Credit:*

### **PHIL 190 – Ethics and Star Trek**

3 credits

This course uses Star Trek episodes to illustrate such issues as ethics and social responsibility.

**Foundational Studies Credit:** [FS 2010: Ethics and Social Responsibility]

*Preferred effective term: Fall 2010*

### **PHIL 201 - Ethics and the Good Life**

3 credits

**Link:** (This course is part of the “Transfer Indiana” [TransferIN] initiative. For additional information, link to [www.transferin.net/ctl](http://www.transferin.net/ctl).)

The nature of problems of right and wrong. Moral values and judgments; responsibility and freedom; the relativity of values, conscience, and happiness.

**General Education Credit:** [GE2000 Social and Behavioral Studies-Foundational]

*Change General Education Credit to Foundational Studies Credit:*

### **PHIL 201 - Ethics and the Good Life**

3 credits

**Link:** (This course is part of the “Transfer Indiana” [TransferIN] initiative. For additional information, link to [www.transferin.net/ctl](http://www.transferin.net/ctl).)

The nature of problems of right and wrong. Moral values and judgments; responsibility and freedom; the relativity of values, conscience, and happiness.

**Foundational Studies Credit:** [FS 2010: Ethics and Social Responsibility]

*Preferred effective term: Fall 2010*

### **PHIL 303 - Ethics and Animals**

3 credits

Basic problems and theories related to the moral status of animals and actions and policies which involve them, including issues such as criteria for personhood; speciesism; the nature of interests and rights; and the use of animals for food, research, and other purposes.

*Add Foundational Studies Credit to:*

### **PHIL 303 - Ethics and Animals**

3 credits

Basic problems and theories related to the moral status of animals and actions and policies which involve them, including issues such as criteria for personhood; speciesism; the nature of interests and rights; and the use of animals for food, research, and other purposes.

**Foundational Studies Credit:** [FS 2010: Ethics and Social Responsibility]

A-F Grading

*Preferred effective term: Fall 2010*

**PHIL 306 - Business Ethics**

3 credits

Analysis of basic issues and perspectives in business ethics. Topics include: the relation of ethics to the law, economic justice, moral foundations of business systems, moral relativism and the multinational corporation, employee rights, the ethics of advertising, the environment, affirmative action, sexual harassment, diversity, and corporate social responsibility, among other topics.

*Add Foundational Studies Credit to:*

**PHIL 306 - Business Ethics**

3 credits

Analysis of basic issues and perspectives in business ethics. Topics include: the relation of ethics to the law, economic justice, moral foundations of business systems, moral relativism and the multinational corporation, employee rights, the ethics of advertising, the environment, affirmative action, sexual harassment, diversity, and corporate social responsibility, among other topics.

**Foundational Studies Credit:** [FS 2010: Ethics and Social Responsibility]

A-F Grading

*Preferred effective term: Fall 2010*

**COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Baccalaureate Nursing Completion**

**NURS 486 - Professional Nursing Synthesis**

3 credits

This course serves as the capstone course for the integration, synthesis, and reflection of professionalism, professional goals, and professional nursing practice informed through multiple ways of knowing and experiences grounded in historical, literary, artistic, scientific, and technological perspectives. Issues and trends germane to contemporary nursing are explored.

**Prerequisites:** NURS 424 and 450; or 450 and 470 must be taken as last course in the last semester of the program.

**Note:** three classroom credits per week.

**General Education Credit:** [GE 2003: Capstone Course]

**Capstone Course:** Capstone Course

*Change description, prerequisites, note, General Education Credit to Foundational Studies Credit, and remove Capstone:*

**NURS 486 - Professional Nursing Synthesis**

3 credits

This course integrates, synthesizes, and reflects on issues of professionalism, professional goals, and professional nursing practice informed through multiple ways of knowing, and experiences grounded in historical, literary, artistic, scientific, and technological perspectives. Issues relevant to contemporary nursing practice and current health care trends are explored.

**Prerequisites:** NURS 424 and NURS 450 for pre-licensure students, NURS 450 for RN-BS in nursing students; NURS 470 and NURS 484 must be taken prior to or concurrently with NURS 486.

**Note:** NURS 470 and NURS 484 must be taken prior to or concurrently with NURS 486.

Three classroom credits per week.

**Foundational Studies:** [FS 2010: Integrative Upper-Division Electives]

*Preferred effective term: Fall 2010*

## **COURSE ELIMINATIONS**

**COLLEGE OF ARTS AND SCIENCES: Economics**

**ECON 372 - Econometrics**

*Preferred effective term: Fall 2010*

## **PROGRAM REVISIONS**

**COLLEGE OF ARTS AND SCIENCES: Chemistry and Physics**

**Physics Major (61-66 credits)**

**CIP Code: 400801 Major Code: 3521**

### **Brief Summary:**

We are introducing a new sequential two-semester laboratory course in physics (PHYS 315-Advanced Laboratory I and PHYS 316-Advanced Laboratory II) at the junior/senior level. Each of these courses carries one credit hour and will be part of the physics program requirements. These two courses will replace the currently required 2-3 credit hours of PHYS 499 (Introduction to Research in Physics). Therefore the two new courses will not increase the total credit hours required by the physics program. The pre-requisite for PHYS 315 is PHYS 216L which is the second-semester laboratory course that physics majors are required to take in their sophomore year. The pre-requisite for PHYS 316 is PHYS 315. Each of the two Advanced Laboratory courses (PHYS 315 and 316) will consist of four advanced experiments. Each experiment will be done over three weeks. The three physics faculty will share the instruction, supervision and grading of the experiments in each course. Therefore no new faculty and/or instructors will be needed.

### **Student Learning:**

Two of the student learning outcomes of the physics program are:

- ability of students to carry out basic laboratory procedures demonstrating appropriate use of instrumentation, quantitative measurement, and data analysis, and
- ability of students to demonstrate professional communication skills.

Currently physics majors have laboratory courses in their freshman and sophomore years. After reviewing students' performance in these laboratory courses, including written reports and poster presentations in the sophomore year laboratories, the Physics Assessment Committee concluded that, while students have a good laboratory experience in their first two years, this experience is not sufficient. The committee recommended the introduction of a two-semester advanced laboratory course that will expose physics majors later in their college career (i.e., junior or senior year) to advanced laboratory techniques, scientific report writing, and oral presentation of scientific results. The experiments planned for both PHYS 315 and 316 will have an advanced

data and error analysis component using the Mathematica software package already available in the department. Students will be required to set up and become intimately familiar with each apparatus in order to collect precise as well as accurate data. The laboratory reports for each experiment will have to be written according to guidelines for scientific papers. At the end of the semester students will be required to make an oral presentation of their work to an audience consisting of physics faculty and students.

The advanced laboratory courses proposed here (PHYS 315 and 316) are thus expected to increase the program effectiveness by advancing the learning outcomes mentioned above.

### **Proposed Catalog Copy:**

#### **Physics Major (62-64 credits)**

**CIP Code: 400801 Major Code: \_\_\_\_\_**

Core Curriculum (40 credits):

Required Chemistry:

- CHEM 105 - General Chemistry I 3 credits
- CHEM 105L - General Chemistry I Laboratory 1 credits
- CHEM 106 - General Chemistry II 3 credits
- CHEM 106L - General Chemistry II Laboratory 1 credits

Required Mathematics:

- MATH 131 - Calculus I 4 credits
- MATH 132 - Calculus II 4 credits

Required Physics Courses:

- PHYS 205 - University Physics I 4 credits
- PHYS 205L - University Physics I Laboratory 1 credits
- PHYS 206 - University Physics II 4 credits
- PHYS 206L - University Physics II Laboratory 1 credits
- PHYS 215 - Modern Physics I 3 credits
- PHYS 215L - Modern Physics I Laboratory 1 credits
- PHYS 216 - Modern Physics II 3 credits
- PHYS 216L - Modern Physics II Laboratory 1 credits
- PHYS 310 - Analytical Mechanics 3 credits
- PHYS 341 - Electricity and Magnetism 3 credits

#### **Professional Physics Concentration:**

(24 credits)

This concentration is built around the physics core curriculum to supply the background and experience needed to enter graduate school or become a research physicist.

Required Courses:

Mathematics:

- MATH 231 - Calculus III 4 credits
- MATH 333 - Differential Equations 3 credits

Physics:

- PHYS 311 - Analytical Mechanics II 3 credits
- PHYS 342 - Electricity and Magnetism II 3 credits
- PHYS 355 - Introduction to Mathematical Physics 3 credits
- PHYS 315 Advanced Laboratory I 1 credit
- PHYS 316 Advanced Laboratory II 1 credit
- PHYS 420 - Thermodynamics and Statistical Mechanics 3 credits
- PHYS 497 - Introduction to Quantum Mechanics 3 credits

**Chemical Physics Concentration:**

(22 credits)

Chemical physics focuses on areas where the techniques of chemistry and physics are brought together for the study of atoms and molecules; their interactions in gases, liquids, and solids; and the detailed structure and dynamics of material changes. Chemical physicists are employed by a wide range of businesses, particularly the pharmaceutical, photographic and microelectronic industries.

Required Courses:

Chemistry:

- CHEM 321 - Analytical Chemistry 4 credits
- CHEM 461 - Physical Chemistry I 4 credits
- CHEM 461L - Experimental Physical Chemistry I 1 credits
- CHEM 462 - Physical Chemistry II 4 credits
- CHEM 462L - Experimental Physical Chemistry II 1 credits

Mathematics:

- MATH 333 - Differential Equations 3 credits

Physics:

- PHYS 315 Advanced Laboratory I 1 credit
- PHYS 316 Advanced Laboratory II 1 credit
- PHYS 497 - Introduction to Quantum Mechanics 3 credits

**Engineering Physics Concentration:**

(22 credits)

The engineering physics concentration focuses on applying the principles of physics to develop new technologies and solve interdisciplinary engineering problems. Graduates may pursue an advanced degree in applied physics or engineering, or function as productive engineering professionals.

Required courses:

Physics

- PHYS 356 - Computational Physics 3 credits
- PHYS 315 Advanced Laboratory I 1 credit
- PHYS 316 Advanced Laboratory II 1 credit

**Mechanical Engineering Technology:**

- MET 103 - Introduction to Technical Graphics with CAD 3 credits
- MET 130 - Introduction to Engineering and Technology 2 credits
- MET 203 - Introduction to Solid Modeling 3 credits
- MET 404 - Engineering Design and Management 3 credits

**Computer Science:**

- CS 256 - Principles of Structured Design 3 credits

**Electives:**

3 credits from approved courses.

*Preferred effective term: Fall 2010*

**COLLEGE OF ARTS AND SCIENCES: Languages, Literatures, and Linguistics**

**Language Studies Minor (21 credits)**

**CIP Code: 169999 Major Code: 1242**

**Brief Summary:**

The current requirement in the current Language Studies Minor that one course must be outside the student's main area of interest has been found not to be in the best interest of some students, especially those who would like to solidify their knowledge in one language by taking another course in that language. The proposed change of eliminating that requirement would not impact students who do want to take a course in another area and having it count toward the minor.

**Student Learning:**

The routine assessment of upper-division language students at the end of each course reveals that minors would benefit from one more course in the language. Currently, students are required to take LLL200 (3 credits), plus a course outside their main area (3 credits), leaving just 12 credit credits for language study. 6 of those 12 credits must be at the 300 or 400 level, giving the student credit for 201 and 202 of that language, thus completing the minor. Student learning in the language will thus increase by changing the requirement to 15 credit credits of language study. The program has always tried to be flexible so that it can meet the needs of its students, and for students who particularly want to achieve as much language fluency in the minor as possible, it makes sense for them to take another course in the language rather than in another language or area. The proposed change will not impact students who do want to take a course in another area and having it count toward the minor.

**Proposed Catalog Copy:**

**Language Studies Minor (21 credits)**

**CIP Code: 169999 Major Code: \_\_\_\_\_**

**Required courses:**

15 credits from within the department to include at least 6 credits at the 300/400 level, and

- LLL 200 - Introduction to Language and Culture for Students of Languages, Literatures, and Linguistics 3 credits

### **Additional Requirements:**

A minimum 2.5 grade point average in all course work required for the minor.

Up to 3 credits of 100-level study in a second area may be counted toward the minor.

*Preferred effective term: Fall 2010*

## **GRADUATE PROPOSALS**

### **NEW COURSES**

#### **COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Physical Education**

##### **PE 577 – Psychological Aspects of Sport Injury**

3 credits

This course is designed to explore the various topics related to the psychological aspects of sport injury. The focus is on theory and application. It examines issues associated with the onset, treatment, and rehabilitation of sport injury. Case studies are used to explore assessment and relevant intervention approaches. This is a participation intensive course. Students must be prepared to talk in class, contribute to discussion, and read the assigned readings prior to covering them in class.

A-F Grading

*Preferred effective term: Fall 2010*

##### **PE 616 – Administration and Management for Coaches**

3 credits

A focus on skills needed to successfully organize and administer the managerial functions of the coaching profession. Leadership and management theory is covered along with universal business skills.

A-F Grading

*Preferred effective term: Fall 2010*

##### **PE 617 – Coaching and Training of Elite Athletes**

3 credits

The study of cutting edge physiological, pedagogical, psychological, biomechanical, and sociological information relative to the coaching and training of elite athletes.

A-F Grading

*Preferred effective term: Summer I 2010*

##### **PE 618 – Advanced Coaching Philosophy and Ethics**

3 credits

A focus on concepts within philosophy and ethics of coaching are explored and understood. Coaching theory is covered along with ethical decision making skills.

A-F Grading

*Preferred effective term: Fall 2010*

**PE 647 – Diversity and Sport**

3 credits

This course is designed to understand and discuss multiculturalism and diversity in sport.

A-F Grading

*Preferred effective term: Fall 2010*

**PE 675 – Advanced Strength and Conditioning Theory**

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

*Preferred effective term: Fall 2010*

## **COURSE REVISIONS**

**COLLEGE OF ARTS AND SCIENCES: Chemistry and Physics****CHEM 600 - Topics in Research**

1-4 credits

An introduction to the techniques and procedures of chemical research. A course of independent study designed particularly for persons not enrolled in the graduate program in chemistry.

Registration only with the approval of the Chairperson of the Department.

*Change description and add repeatable to:*

**CHEM 600 - Topics in Research**

1-4 credits

An introduction to the techniques and procedures of chemical research. A course of independent study. Registration only with the approval of the Chairperson of the Department.

**Repeatable:** up to 24 credits

A-F Grading

*Preferred effective term: Summer I 2010*

**COLLEGE OF ARTS AND SCIENCES: Earth and Environmental Systems****GEOG 610 - Field Geography Techniques**

3 credits

Principles and techniques of identifying, classifying, interpreting, and coding landscape features and patterns in selected areas of Indiana and Illinois.

*Change prefix, title, and description to:*

**ENVI 610 – Field Techniques**

3 credits

A survey of principles and techniques of field work in spatial science and allied fields. The course focuses on identifying, classifying, interpreting, and coding landscape features.

A-F Grading

*Preferred effective term: Fall 2010*

**GEOG 645 - Advanced Quantitative Methods in Geographic Research**

3 credits



Continuation of 611. Multiple correlation techniques, curvilinear correlation, and analysis of variance are examined.

**Prerequisites:** MATH 445/545 or equivalent and consent of instructor.

**Note:** Students are required to formulate and solve quantitative geographic problems.

*Change prefix, title, description, and remove prerequisites and note to:*

**ENVI 645 - Advanced Spatial Analysis and Quantitative Methods**

3 credits

This course provides students with an overview of topics and techniques in spatial analysis including multivariate statistics. All students will complete a research project that utilizes the collection, manipulation, analysis, and representation of quantitative data appropriate to their research interests.

A-F Grading

*Preferred effective term: Fall 2010*

**COLLEGE OF ARTS AND SCIENCES: Mathematics and Computer Science**

**MATH 512 - Abstract and Linear Algebra**

3 credits

An introduction to algebraic structures, with emphasis on the number systems encountered in middle and high schools. Also covered are elements of linear algebra, including matrices and determinants. This course does not count towards the mathematics major.

**Prerequisites:** MATH 131 or 301.

**Note:** open to graduate students. Graduate students are required to do additional work of a research nature.

*Change title, description, prerequisites, and remove note to:*

**MATH 512 - Abstract Algebra**

3 credits

An introduction to groups, rings, and fields, including polynomial rings, divisibility, and unique factorization domains.

**Prerequisite:** MATH 380

A-F Grading

*Preferred effective term: Fall 2010*

**BAYH COLLEGE OF EDUCATION: Curriculum, Instruction, and Media Technology**

**CIMT 601 - Teaching Internship**

3-6 credits

Teaching under the supervision of an experienced teacher and university personnel. Focus on the development and strengthening of teaching skills. Intern must be employed as a teacher.

**Cross-listed:** (Also listed as Elementary and Early Childhood Education 601 and Special Education 600.)

*Change description, add repeatable and note to:*

**CIMT 601 - Teaching Internship**

3-6 credits

Teaching under the supervision of an experienced teacher and university personnel. Focus on the development and strengthening of teaching skills.

**Cross-listed:** (Also listed as Elementary and Early Childhood Education 601 and Special Education 600.)

**Repeatable:** up to six credits

**Note:** Intern must be employed as a teacher.

A-F Grading

*Preferred effective term: Fall 2010*

## **BAYH COLLEGE OF EDUCATION: Elementary, Early, and Special Education**

### **ELED 601 - Teaching Internship**

3-6 credits

Teaching under the supervision of an experienced teacher and university personnel. Focus on the development and strengthening of teaching skills.

**Cross-listed:** (Also listed as Curriculum, Instruction, and Media Technology 601 and Special Education 600.)

**Note:** Intern must be employed as a teacher.

*Add repeatable to:*

### **ELED 601 - Teaching Internship**

3-6 credits

Teaching under the supervision of an experienced teacher and university personnel. Focus on the development and strengthening of teaching skills.

**Cross-listed:** (Also listed as Curriculum, Instruction, and Media Technology 601 and Special Education 600.)

**Repeatable:** up to six credits

**Note:** Intern must be employed as a teacher.

A-F Grading

*Preferred effective term: Fall 2010*

### **SPED 600 - Teaching Internship**

3-6 credits

Teaching under the supervision of an experienced teacher and university personnel. Focus on the development and strengthening of teaching skills.

**Cross-listed:** (Also listed as Curriculum, Instruction, and Media Technology 601 and Elementary Education 601.)

**Note:** Intern must be employed as a teacher

*Add repeatable to:*

### **SPED 600 - Teaching Internship**

3-6 credits

Teaching under the supervision of an experienced teacher and university personnel. Focus on the development and strengthening of teaching skills.

**Cross-listed:** (Also listed as Curriculum, Instruction, and Media Technology 601 and Elementary Education 601.)

**Note:** Intern must be employed as a teacher

**Repeatable:** up to six credits

A-F Grading

*Preferred effective term: Fall 2010*

## **COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Physical Education**

**PE 680 – Advanced Physiology of Exercise**

3 credits

Advanced treatment of the effects of acute and chronic exercise or lack of exercise on the human organism with emphasis given to mechanisms. Additional attention will be devoted to controversies, traditional practices, fads, and human performance.

**Prerequisites:** kinesiology, physiology of exercise.

*Change title, description, and remove prerequisites to:*

**PE 680 – Cardiorespiratory Physiology**

3 credits

A graduate survey of human cardiorespiratory physiology and the adjustments within the system in response to exercise and other stressors.

A-F Grading

*Preferred effective term: Fall 2010*

**PE 681 – Seminar in Exercise Physiology**

3 credits

Critique of research and individual studies.

**Prerequisites:** 680 or consent of instructor.

*Change title, description, and remove prerequisites to:*

**PE 681 – Neuromuscular Physiology**

This course examines mechanisms by which the nervous system controls motor function to include endurance training, strength training, fatigue, blood flow, muscle soreness, muscle potentiation, environmental factors influencing force output, power, effects of gender and aging on force production.

A-F Grading

*Preferred effective term: Fall 2010*

**PE 688 – Graded Exercise Testing and Exercise Prescription**

3 credits

The study of the use of graded exercise testing in the evaluation of exercise capacity. Modes of evaluation and protocols for evaluation will be discussed with application of the results to normal and cardiac populations. Practical experiences in the laboratory will include measurement involving treadmills, ergometers, electrocardiography, and metabolic cart.

**Prerequisites:** 680 or consent of instructor.

*Change title, description, and remove prerequisites to:*

**PE 688 – Exercise Testing in Exercise Science**

3 credits

The study of field and laboratory tests that evaluate human performance and/or allow evaluation of physiological responses during exercise. Modes of exercise, protocols for evaluation, and test results are discussed with application to normal and special populations.

A-F Grading

*Preferred effective term: Fall 2010*

**COURSE BANKING**

**COLLEGE OF ARTS AND SCIENCES: Communication**

**COMM 536 – Advanced Broadcast and Film Writing**

*Preferred effective term: Fall 2010*

**COLLEGE OF ARTS AND SCIENCES: Mathematics and Computer Science**

**MATH 516 – Modern Abstract Algebra**

*Preferred effective term: Fall 2010*

**COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Physical Education**

**PE 540 – Women in Sport**

*Preferred effective term: Fall 2010*

**PROGRAM REVISIONS**

**COLLEGE OF ARTS AND SCIENCES: Earth and Environmental Systems**

**M.A. Geography (37 credits minimum)**

**CIP Code: 450701 Major Code: 2175**

**Brief Summary:**

The proposed change is in response to the revision and renaming of the the Ph.D. program in geography to a Ph.D. program in Spatial and Earth Sciences. The changes reflect new course prefixes that have resulted from the creation of the new department (ENVI) and the program revisions. The program edits also include the elimination of a 1-credit course GEOG613 and the introduction of a new seminar ENVI 733 as an option under the required seminar. The elimination of 613 is deemed appropriate given the introduction of a new, more inclusive course option that covers similar topics (ENVI 733.)

**Proposed Catalog Copy:**

**M.A. Geography (36 credits minimum)**

**CIP Code: 450701 Major Code: \_\_\_\_\_**

**Research Requirement (6 credits):**

**Thesis Option:**

GEOG 699 - Master's Thesis 6 credits

**Non Thesis Option:**

GEOG 629 - Individual Research in Physical Geography 6 credits

GEOG 649 - Individual Research in Economic Geography 6 credits

**Core Courses (21 credits):**

ENVI 610 - Field Geography Techniques 3 credits

ENVI 611 - Research in Geography 3 credits

ENVI 645 - Advanced Quantitative Methods in Geographic Research 3 credits

GEOG 512 - Advanced Cartography 3 credits

GEOG 612 - Development of Geographic Thought 3 credits

6 credits of geography electives

**Seminar (3 credits):**

Choose one of the following for three credits:

GEOG 700 - Seminar in Physical Geography 1-6 credits

GEOG 710 - Seminar in Economic Geography 1-6 credits

GEOG 711 - Seminar in Location Theory 3 credits

ENVI 733 – Seminar in Earth and Environmental Systems 3 credits

**Other Requirements (6 credits):**

6 credit hours outside geography in a discipline closely allied to the student's research area (to be determined in consultation with the student's advisor).

**Culminating Experience:**

Successful defense of thesis or research project(s).

**Note:**

One-half of the credit hours must be taken in courses numbered 600 and above.

*Preferred effective term: Fall 2010*

**COLLEGE OF ARTS AND SCIENCES: Earth and Environmental Systems**

**Ph.D. Geography (22 credits minimum)**

**CIP Code: 450701 Major Code: 2178**

**Brief Summary:**

The proposed title and program changes are in response to the newly reconfigured department of Earth and Environmental Systems and our focus on interdisciplinary environmental issues.

We are proposing changes to the name, core requirements, and establishment of two concentrations (Geography and Earth Sciences) that will result in the development of a more interdisciplinary broad-based PhD degree that is more inclusive of, and highlights the research interests of, the Earth and Environmental Systems faculty, and will draw on a broader range of prospective students interested in interdisciplinary studies in the spatial and earth sciences.

The term Spatial and Earth Sciences is proposed because it is a more all-embracing term related to spatial research, earth, and environmental/human systems. Spatial Sciences and Earth Sciences are commonly used names in Geography. For example, Spatial Sciences is now used by NSF in association with the geography grant program and Earth Sciences is a general term that encompasses physical geography as well as other geoscience disciplines. The term also more aptly reflects the broad research interests of the faculty in areas dealing with geographic information science, (which includes GIS, and Remote Sensing), geosciences, climatology, paleoecology, biogeography, geoarchaeology, geomorphology, paleoceanography, human geography, and physical geography. The traditional areas of the geography degree are maintained but a broader range of topics are now incorporated. Additional students will be attracted to the revised program as it will appeal to a wider range of interests with the new interdisciplinary focus.

We view this revised degree program as timely and filling a unique niche related to interdisciplinary studies in the spatial and earth sciences. The interdisciplinary education received by students in our program will provide them with a strong background necessary for

positions in universities as well as in the public and private sectors which are seeking researchers with expertise to address interdisciplinary spatial, environmental, and geoscience issues.

We believe there will be increased interest in the revised program. In particular, we will draw from the existing pool of traditional geography graduate students and from a new pool of students that include those wishing to work with faculty who have expertise in the geoscience research areas of geoarchaeology, environmental sciences, paleoecology, paleoceanography, and dendrochronology.

Additionally, faculty who contribute to the new program will broaden the base of external research funding to support graduate student research. We believe these new research dollars will greatly enhance the PhD program by providing additional research assistantships.

We propose to revise the major core requirements to include courses that focus on skills necessary in both concentrations. Current core courses have been revised to be consistent with the broader research focus of the new program. The 9-12 hour core consists of a research design and proposal preparation course (ENVI 611), a quantitative methods course (ENVI 645), and a field techniques course (ENVI 610) or other credit or non-credit field experience approved by the Graduate Affairs Committee. A 700 level seminar (ENVI 733) has been created that will focus on current interdisciplinary issues in spatial and earth sciences.

Two concentrations are proposed in Geography and Earth Science consisting of a minimum of 9 additional hours. The geography concentration is intended to encompass the traditional research fields in geographic information systems, remote sensing, and human geography. The earth science concentration incorporates physical geography, climatology, geosciences, geoarchaeology, paleoecology, biogeography, dendrochronology, environmental sciences, and Quaternary environments.

In the Geography concentration all students must complete a minimum of 9 additional hours of coursework in geography (GEOG) at the 600-level or above (excluding dissertation hours) completed in consultation with and approved by the student's dissertation committee. The required nine hours must be completed while in residency at ISU.

In the Earth Science concentration all students must complete a minimum of 9 additional hours of earth science coursework (ANTH, ENVI, or GEOL) at the 600-level or above (excluding dissertation hours) completed in consultation with and approved by the student's dissertation committee. The required nine hours must be completed while in residency at ISU.

In summary, a minimum of 78 semester hours of graduate credit are required, including an acceptable dissertation (899--18 hrs.), 9-12 hours of core courses, 9 hour specialization (Geography or Earth Science), 3-6 hours of electives in the Department (ANTH, ENVI, GEOG, or GEOL), and a minimum of 6 hours of cognate courses taken outside the Department of Earth and Environmental Systems selected in consultation with and approved by the student's dissertation committee.

The student's dissertation committee will determine courses to be taken within the major and outside the department, as well as additional requirements that may be appropriate. These requirements may include, but are not limited to, courses to remove any deficiencies. The

College of Graduate and Professional Studies requires that at least one-half of the credit hours must be taken in courses numbered 600 and above. Selection of the dissertation advisor and committee should be done no later than the end of the first academic year. Demonstration of “research proficiency” is required for all doctoral students prior to being admitted to candidacy. Students will have met the research proficiency by completing all core courses with a B (3.0) or better. The student must submit an acceptable dissertation proposal, satisfactorily pass oral preliminary examinations and must demonstrate satisfactory performance on a final oral examination and dissertation defense. To help ensure teaching proficiency, each Ph.D. candidate must participate in the teaching program of the department for at least two semesters or one semester and a full summer session.

**Brief Summary:**

Student interest is demonstrated in applications and at recruitment events at professional meetings and the curriculum of similar interdisciplinary environmental programs. Because of the wide range of students that can be accommodated by the Spatial and Earth Science PhD Program, we anticipate that this will attract additional students to the graduate program. The proposed curricular revision will enable students to achieve the outcomes detailed in the department’s graduate studies student outcome statements (which is being updated to accommodate the revised program). Doctoral students will be able to synthesize past research in the spatial and earth sciences, conduct original research of complex environmental, human, or earth systems depending on specialization, develop skills in data collection methods and techniques within their chosen specialization, think and evaluate critically, and employ interdisciplinary collaboration in the conduct of research. Primary assessments of these outcomes will be evaluated through course work, field experiences, multiple research presentations at national and/or regional meetings, preliminary exams, a dissertation, and the dissertation defense.

**Proposed Catalog Copy:**

**Ph.D. Spatial and Earth Sciences (83 credits minimum)**

**CIP Code: 450701 Major Code: \_\_\_\_\_**

**Core Courses (9-12 credits)**

ENVI 611-3 credits; ENVI 645-3 credits; ENVI 733-3 credits; ENVI 610-3 credits **or** an appropriate substituting credit or non-credit field experience approved by the student’s dissertation committee 0-3 credits.

**Departmental Electives (3-6 credits)**

Selected from ANTH, ENVI, GEOG, or GEOL graduate courses.

**Cognate Courses (6 credits)**

A minimum of 6 hours of cognate courses outside the Department, chosen in consultation with and approved by the student's dissertation committee.

**Culminating Experience (18 credits)**

Dissertation Research (18 credits): 899-3 credits

**All students must complete one of the following concentrations:**

**Concentrations (9 credits)**

Earth Science. A minimum of 9 additional credit hours of earth science coursework (ANTH, ENVI, or GEOL) at the 600-level or above chosen in consultation with and approved by the student's dissertation committee.

**Or**

Geography. A minimum of 9 additional credit hours of coursework in geography (GEOG, ENVI) at the 600-level or above chosen in consultation with and approved by the student's dissertation committee.

**Other Requirements:**

For the Ph.D. degree, the College of Graduate and Professional Studies requires students to complete a minimum of 65 hours of graduate credit, exclusive of the dissertation. These credits may include those applied toward a Master's degree. Thirty of the 65 credits must be completed at Indiana State University. At least one-half of the credits for the degree must be taken in courses numbered 600 and above.

**Note:**

The student's dissertation committee will determine courses to be taken within the major and outside the department, as well as additional requirements that may be appropriate. These requirements may include, but are not limited to, courses to remove any deficiencies. The dissertation advisor and committee should be selected no later than the end of the first academic year. Demonstration of "research proficiency" is required for all doctoral students prior to being admitted to candidacy. Students will have met the research proficiency by completing all core courses with a B (3.0) or better. The student must submit an acceptable dissertation proposal, satisfactorily pass oral preliminary examinations, and must demonstrate satisfactory performance on a final oral examination and dissertation defense. To help ensure teaching proficiency, each Ph.D. candidate must participate in the teaching program of the department for at least two semesters or one semester and a full summer session.

*Preferred effective term: Fall 2010*

**COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Physical Education**

**M.A./M.S. Physical Education (Exercise Science) (33 credits)**

**CIP Code: 131314 Major Code: A570**

**Brief Summary:**

As a result of Program Prioritization, the three tracks, Adult Fitness program, the Exercise Science program, and the Coaching program are being reduced to two tracks: Exercise Science and Coaching. The new programs will maintain their names of Exercise Science and Coaching. The two new tracks will share a 9 credit hour core to include one new course. The Exercise Science track will also include three classes that will undergo a name change with modifications



in content. The Coaching program will have one additional new course in the approved electives and one course with content modification. All optional emphasis areas will be deleted from the catalog.

**Student Learning:**

These changes will update the program to current industry standards. The new program is streamlined easing class selection for students. An internship is added to the Exercise Science track as a third alternative for the culminating experience.

**Proposed Catalog Copy:**

**M.A./M.S. Physical Education (Exercise Science) (30 credits)**

**CIP Code: 131314 Major Code: \_\_\_\_\_**

The objective of this degree is to provide an opportunity for graduate students to further develop their knowledge and understanding in the area of Exercise Science.

Exercise Science:

Core (9 credits): 601-3 credits; 666-3 credits; 675-3 credits

Required (12): 680-3 credits; 681-3 credits; 685-3 credits; 688-3 credits

Suggested Electives (M.S. degree-6 credits; M.A degree-3 credits): 583-3 credits; 584-3 credits; 585-3 credits; 616 - 3 credits; 660-3 credits; 665-3 credits; 682-3 credits; FCS 529-3 credits; ATTR 610-3 credits or approved by advisor.

Culminating Experience (3-6 credits): (M.S. degree) 602-3 credits or 629-3 credits; (M.A. degree) 699-6 credits

*Preferred effective term: Fall 2010*

## **COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Physical Education**

### **M.A./M.S. Physical Education (Coaching) (32 credits minimum)**

**CIP Code: 131314 Major Code: A573**

#### **Brief Summary:**

As a result of Program Prioritization, the three tracks, Adult Fitness program, the Exercise Science program, and the Coaching program are being reduced to two tracks: Exercise Science and Coaching. The new programs will maintain their names of Exercise Science and Coaching. The two new tracks will share a 9 credit hour core to include one new course. The Exercise Science track will also include three classes that will undergo a name change with modifications in content. The Coaching program will have two new courses in the specialization requirement and two new courses in the approved electives.

#### **Student Learning:**

These changes will update the program to current industry standards. The new program is streamlined easing class selection for students.

#### **Proposed Catalog Copy:**

### **M.A./M.S. Physical Education (Coaching) (36 credits)**

**CIP Code: 131314 Major Code: \_\_\_\_\_**

The objective of this degree is to provide an opportunity for graduate students to further develop their knowledge and understanding in the area of Coaching.

Core (9 credits): PE 601-3 credits; PE 666-3 credits; PE 675-3 credits;

Required (18 credits): PE 618-3 credits; PE 660-3 credits; PE 584 or PE 685-3 credits; PE 665-3 credits; PE 616-3 hrs; ATTR 610-3 credits

Suggested Electives (M.S. degree-6 credits; M.A degree-3 credits): PE 577-3 credits; PE 615-1-3 hrs; PE 647-3 credits; PE 680-3 credits; PE 681-3 credits; PE 510-2 credits; PE 511-2 credits; PE 512-2 credits; PE 513-2 credits; PE 516-2 credits; PE 518-2 credits; PE 519-2 credits; PE 520-2 credits or Advisor Approved Electives

Culminating Experience (3-6 credits): (M.S. degree) PE 602-3 credits or PE 629-3 credits or (M.A. degree) PE 699-6 credits

*Preferred effective term: Fall 2010*

## **PROGRAM ELIMINATIONS**

## **COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Physical Education**

### **M.A./M.S. Physical Education (Adult Fitness)**

**CIP Code: 131314 Major Code: A571**

*Preferred effective term: Fall 2010*

# UNDERGRADUATE APPROVALS

## NEW COURSES

### COLLEGE OF ARTS AND SCIENCES: Languages, Literatures, and Linguistics

#### **LLL 103 - Elementary World Languages Study Abroad**

1-4 credits.

Study abroad at an elementary level of a language. Offerings currently include 103A, Arabic; 103C, Chinese; 103F, French; 103G, German; 103I, Italian; 103J, Japanese; 103K, Greek; 103N, Latin; 103O, Other; 103P, Portuguese; 103R, Russian; 103S, Spanish. Students may take for credit any number of 103 courses as long as topics or sections change, and they may take more than one topic or section in the same semester.

A-F Grading

*Preferred effective term: Summer I 2010*

#### **LLL 203 - Intermediate World Languages Study Abroad**

1-4 credits

Study abroad at an intermediate level of a language. Offerings currently include 203A, Arabic; 203C, Chinese; 203F, French; 203G, German; 203I, Italian; 203J, Japanese; 203K, Greek; 203N, Latin; 203O, Other; 203P, Portuguese; 203R, Russian; 203S, Spanish. Students may take for credit any number of 203 courses as long as topics or sections change, and they may take more than one topic or section in the same semester.

A-F Grading

*Preferred effective term: Summer I 2010*

#### **LLL 303 - Advanced Intermediate World Languages Study Abroad**

1-4 credits

Study abroad at an advanced intermediate level of a language. Offerings currently include 303A, Arabic; 303C, Chinese; 303F, French; 303G, German; 303I, Italian; 303J, Japanese; 303K, Greek; 303N, Latin; 303O, Other; 303P, Portuguese; 303R, Russian; 303S, Spanish. Students may take for credit any number of 303 courses and sections as long as topics or sections change, and they may take more than one topic or section in the same semester.

A-F Grading

*Preferred effective term: Summer I 2010*

#### **LLL 403 Advanced World Languages Study Abroad**

1-4 credits

Study abroad at an advanced level of a language: 403A, Arabic; 403C, Chinese; 403F, French; 403G, German; 403 I, Italian; 403J, Japanese; 403K, Greek; 403N, Latin; 403O, Other; 403P, Portuguese; 403R, Russian; 403S, Spanish. Students may take for credit any number of 403 courses and sections as long as topics or sections change, and they may take more than one topic or section in the same semester.

A-F Grading

*Preferred effective term: Summer I 2010*

## **COURSE BANKING**

### **COLLEGE OF ARTS AND SCIENCES: English**

ENG 431 - Literature and Culture of the Renaissance

ENG 432 - Literature and Culture of the Seventeenth and Eighteenth Centuries

ENG 433 - Literature and Culture of the Nineteenth Century

ENG 434 - Literature and Culture of the Twentieth Century

*Preferred effective term: Fall 2010*

## **COURSE ELIMINATIONS**

### **COLLEGE OF ARTS AND SCIENCES: Languages, Literatures, and Linguistics**

FREN 403A – French Study Abroad

FREN 403B – French Study Abroad

GERM 403A – German Study Abroad

GERM 403B – German Study Abroad

SPAN 403A - Spanish Study Abroad

SPAN 403B - Spanish Study Abroad

SPAN 403C - Spanish Study Abroad

SPAN 403D - Spanish Study Abroad

*Preferred effective term: Summer I 2010*

## **PROGRAM REVISIONS**

### **COLLEGE OF ARTS AND SCIENCES: Art**

**Studio Major (63 credits)**

**CIP Code: 500701 Major Code: 0321**

#### **Brief Summary:**

The changing of the program title from “Studio Art” to “Art” is a result of our moving Art History from a separate major to a concentration.

The second change involves reducing the number of required 200 level studio courses by one. This is a modification that affects only the 2-D and 3-D concentrations. There are no changes to either the Graphic Design or Art History curricula.

The addition of ARTS 400 is not new, it had been mistakenly removed in the on-line catalog.

#### **Student Learning:**

The change in name is one of clarification. Art History is not a “studio” area.

While reducing the number of required 200 level courses by one is not a direct result of student

outcomes assessment, it is being proposed as the result of feedback from students enrolled in the program. Choosing one fewer introductory course will allow them to take more at the intermediate or advanced level, providing them the opportunity for greater depth.

**Proposed Catalog Copy:**

**Art (63 credits)**

**CIP Code: 500701 Major Code: \_\_\_\_\_**

The art major in the bachelor of art/bachelor of science degree is designed for the student who desires a more general education, or a second major. The total studio credit hour requirements are fewer, permitting a larger number of elective credits. This degree is designed for those who might wish subsequently to pursue the master of science or master of arts, or possibly master of fine arts degrees.

**(ART) Core Curriculum:**

**(18 credits)**

The core curriculum is a prescribed program of study required of all studio art, art history, and art education majors and is basic to a student's choice of an area of concentration. Interdisciplinary study in studio art may also be earned under the direction of a faculty advisor by combining courses in different studio concentration areas.

**Required Courses:**

- ARTH 170 - Introduction to the Visual Arts 3 credits
- ARTH 271 - Survey of Art History I 3 credits
- ARTH 272 - Survey of Art History II 3 credits
- ARTS 101 - Fundamentals of Drawing 3 credits
- ARTS 102 - Fundamentals of Two-Dimensional Design and Color 3 credits
- ARTS 104 - Fundamentals of Three-Dimensional Design and Color 3 credits

**Base requirements (30 credits):**

18 credits of the core curriculum

- ARTH 371 - History of Art: Survey of the Twentieth Century 3 credits
- ARTP 499 - Art and the Artist in the Context of Society 3 credits

An additional 6 credits of art history  
Completion of a concentration, listed below.

**(ART) Bachelor of Science Concentration Areas:**

**Assessment Information:**

Students with a concentration in art shall present a representative example of their work (one-

two pieces) in an approved gallery setting in their last semester. The work presented will be evaluated by the studio faculty of the students' area of concentration and will be photographically documented. Students with a concentration in art history will submit a paper.

### **2-Dimensional Arts Concentration (33 credits):**

#### **Required:**

ARTS 215 Fundamentals of Drawing II 3 credits  
ARTS 400 Senior Studio 3 credits (B,D,E, or I)

#### **Select 3 of the following:**

ARTS 230 - Introduction to Painting 3 credits  
ARTS 235 - Introduction to Photography 3 credits  
ARTS 240 - Introduction to Beginning Printmaking 3 credits  
ARTS 251 - Introduction to Computer Art 3 credits

#### **Choose 15 credits from among the following courses:**

ARTS 316 - Intermediate Drawing 3 credits  
ARTS 317 - Drawing III: Figure Drawing 3 credits  
ARTS 331 - Intermediate Painting 3 credits  
ARTS 336 - Intermediate Photography 3 credits  
ARTS 341 - Intermediate Printmaking 3 credits  
ARTS 351 - Intermediate Computer Art 3 credits  
ARTS 415 - Advanced Drawing 3 credits  
ARTS 430 - Advanced Painting 3 credits  
ARTS 435 - Advanced Photography 3 credits  
ARTS 440 - Advanced Printmaking 3 credits  
ARTS 443 - Screenprinting 3 credits  
ARTS 451 - Advanced Computer Art 3 credits

#### **Choose one from the following:**

ARTS 210 - Introduction to Ceramics 3 credits  
ARTS 245 - Introduction to Sculpture 3 credits  
ARTS 255 - Sculpture-Wood/Studio Furniture I 3 credits

### **3-Dimensional Arts Concentration (33 credits):**

#### **Required:**

ARTS 210 - Introduction to Ceramics 3 credits  
ARTS 215 - Fundamentals of Drawing II 3 credits  
ARTS 245 - Introduction to Sculpture 3 credits  
ARTS 440 - Advanced Printmaking 3 credits  
(A, F, or G)

**Choose 18 credits from among the following courses:**

ARTS 255 - Sculpture-Wood/Studio Furniture I 3 credits  
ARTS 311 - Intermediate Ceramics 3 credits  
ARTS 346 - Intermediate Sculpture 3 credits  
ARTS 356 - Sculpture-Wood/Studio Furniture II 3 credits  
ARTS 357 - Sculpture-Wood/Studio Furniture III 3 credits  
ARTS 410 - Advanced Ceramics 3 credits  
ARTS 413 - Kiln Design 3 credits  
ARTS 414 - Glaze Calculation 3 credits  
ARTS 445 - Advanced Sculpture 3 credits  
ARTS 450 - Alternative Art Forms 3 credits  
ARTS 455 - Sculpture—Wood/Studio Furniture IV 3 credits  
ARTS 456 - Sculpture—Wood/Studio Furniture V 3 credits  
ARTS 457 - Special Problems in Sculpture—Wood/Studio Furniture 1-6 credits

**Choose one from the following:**

ARTS 230 - Introduction to Painting 3 credits  
ARTS 235 - Introduction to Photography 3 credits  
ARTS 240 - Introduction to Beginning Printmaking 3 credits  
ARTS 251 - Introduction to Computer Art 3 credits

**Graphic Design Concentration (33 credits):**

**Required:**

ARTD 220 - Introduction to Graphic Design 3 credits  
ARTD 321 - Principles of Graphic Design 3 credits  
ARTD 322 - Layout Design 3 credits  
ARTD 323 - Illustration for Layout 3 credits  
ARTD 420 - Web Page Design 3 credits  
ARTD 421 - Advanced Layout Design 3 credits  
ARTD 423 - Advanced Applications in Graphic Design 3 credits  
ARTD 490 - Graphic Design Portfolio 3 credits  
ARTS 215 - Fundamentals of Drawing II 3 credits  
ARTS 235 - Introduction to Photography 3 credits  
ARTS 316 - Intermediate Drawing 3 credits

**Art History Concentration (33 credits)**

**Required:**

3 credits literary history  
3 credits music history

**Required Art History courses (15 credits):**

Courses from each of the historical periods offered.

**Cognate courses (18 credits):**

Select six credits from the following language courses:

FREN 201 - Intermediate French I 3 credits  
FREN 202 - Intermediate French II 3 credits  
GERM 201 - Intermediate German I 3 credits  
GERM 202 - Intermediate German II 3 credits

**Choose one of the following:**

PHIL 101 - Introduction to Philosophy 3 credits  
PHIL 404 - Aesthetic Theory 3 credits

**Choose one from the following:**

3 credits theater history or

COMM 445(A; G-Z) - Film Theory and Criticism 3 credits  
*Preferred effective term: Fall 2010*

**COLLEGE OF ARTS AND SCIENCES: Art**

**Fine Arts Major (84 credits)**

**CIP Code: 500702 Major Code: 0324**

**Brief Summary:**

The Department of Art wishes to change the emphases to concentrations in their BFA program. This was already done for the BS Studio program during a previous revision.

The second change involves reducing the number of required 200 level studio courses by one. This is a modification that affects only the 2-D and 3-D concentrations.

**Student Learning:**

While reducing the number of required 200 level courses by one is not a direct result of student outcomes assessment, it is being proposed as the result of feedback from students enrolled in the program. Choosing one fewer introductory course will allow them to take more at the intermediate or advanced level, providing them the opportunity for greater depth.

**Proposed Catalog Copy:**

**Fine Arts (84 semester credits)**

**CIP Code: 500702 Major Code: \_\_\_\_\_**



The bachelor of fine arts degree is a performance-oriented degree in studio or design art created to develop high levels of competency in one or more areas and to prepare candidates to make clear and logical verbal presentations of artistic matters. Bachelor of fine arts graduates will be prepared to enter the work market or to pursue a master of fine arts or related graduate degree. The bachelor of fine arts candidate may take additional credits to meet state teacher licensure requirements.

**(ART) Core Curriculum:  
(18 credits)**

The core curriculum is a prescribed program of study required of all studio art, art history, and art education majors and is basic to a student's choice of an area of concentration.

**Required Courses:**

ARTH 170 - Introduction to the Visual Arts 3 credits  
ARTH 271 - Survey of Art History I 3 credits  
ARTH 272 - Survey of Art History II 3 credits  
ARTS 101 - Fundamentals of Drawing 3 credits  
ARTS 102 - Fundamentals of Two-Dimensional Design and Color 3 credits  
ARTS 104 - Fundamentals of Three-Dimensional Design and Color 3 credits

**Base requirements (30 credits):**

18 credits of the core curriculum

ARTH 371 - History of Art: Survey of the Twentieth Century 3 credits  
ARTP 499 - Art and the Artist in the Context of Society 3 credits

An additional 6 credits of art history  
Completion of a concentration, listed below.

**Assessment Information:**

Students shall present a representative example of their work (one-two pieces) in an approved gallery setting in their last semester. The work presented will be evaluated by the studio faculty of the students' area of concentration and will be photographically documented.

**2-Dimensional Arts Concentration (54 credits):**

**Required:**

ARTP 496 – Final Visual Arts Exhibition 3 credits  
ARTS 215 Fundamentals of Drawing II 3 credits  
ARTS 400 Senior Studio 3 credits (B,D,E, or I)

**Choose three from the following:**

ARTS 230 - Introduction to Painting 3 credits  
ARTS 235 - Introduction to Photography 3 credits  
ARTS 240 - Introduction to Beginning Printmaking 3 credits  
ARTS 251 - Introduction to Computer Art 3 credits

**Choose 33 credits from among the following:**

ARTS 316 - Intermediate Drawing 3 credits  
ARTS 317 - Drawing III: Figure Drawing 3 credits  
ARTS 331 - Intermediate Painting 3 credits  
ARTS 336 - Intermediate Photography 3 credits  
ARTS 341 - Intermediate Printmaking 3 credits  
ARTS 351 - Intermediate Computer Art 3 credits  
ARTS 415 - Advanced Drawing 3 credits  
ARTS 430 - Advanced Painting 3 credits  
ARTS 435 - Advanced Photography 3 credits  
ARTS 440 - Advanced Printmaking 3 credits  
ARTS 443 - Screenprinting 3 credits  
ARTS 451 - Advanced Computer Art 3 credits  
(316, 331, 336, 341, 351, 415, 430, 435, 440, and 451 are repeatable. See course descriptions)

**Choose one from the following:**

ARTS 210 - Introduction to Ceramics 3 credits  
ARTS 245 - Introduction to Sculpture 3 credits  
ARTS 255 - Sculpture-Wood/Studio Furniture I 3 credits

**3-Dimensional Arts Concentration (54 credits):**

**Required:**

ARTP 496 - Final Visual Exhibition 3 credits  
ARTS 210 - Introduction to Ceramics 3 credits  
ARTS 215 - Fundamentals of Drawing II 3 credits  
ARTS 245 - Introduction to Sculpture 3 credits  
ARTS 316 - Intermediate Drawing 3 credits

**Choose one from the following:**

ARTS 400A Senior Studio (Ceramics)– 3 credits  
ARTS 400F Senior Studio (Sculpture Metal) – 3 credits  
ARTS 400G Senior Studio (Sculpture Wood)– 3 credits

**Choose 30 credits from among the following:**

ARTS 255 - Sculpture-Wood/Studio Furniture I  
ARTS 311 - Intermediate Ceramics 3 credits

ARTS 346 - Intermediate Sculpture 3 credits  
ARTS 356 - Sculpture-Wood/Studio Furniture II 3 credits  
ARTS 357 - Sculpture-Wood/Studio Furniture III 3 credits  
ARTS 410 - Advanced Ceramics 3 credits  
ARTS 413 - Kiln Design 3 credits  
ARTS 414 - Glaze Calculation 3 credits  
ARTS 445 - Advanced Sculpture 3 credits  
ARTS 450 - Alternative Art Forms 3 credits  
ARTS 455 - Sculpture—Wood/Studio Furniture IV 3 credits  
ARTS 456 - Sculpture—Wood/Studio Furniture V 3 credits  
ARTS 457 - Special Problems in Sculpture—Wood/Studio Furniture 1-6 credits

**Choose two from the following:**

ARTS 230 - Introduction to Painting 3 credits  
ARTS 235 - Introduction to Photography 3 credits  
ARTS 240 - Introduction to Beginning Printmaking 3 credits  
ARTS 251 - Introduction to Computer Art 3 credits

**Graphic Design Concentration (54 credits):**

**Required:**

ARTD 220 - Introduction to Graphic Design 3 credits  
ARTD 321 - Principles of Graphic Design 3 credits  
ARTD 322 - Layout Design 3 credits  
ARTD 323 - Illustration for Layout 3 credits  
ARTD 400K - Graphic Design Workshop 1-6 credits (maximum of 9 credits)  
ARTD 420 - Web Page Design 3 credits  
ARTD 421 - Advanced Layout Design 3 credits  
ARTD 422 - Marketing Graphics 3 credits  
ARTD 423 - Advanced Applications in Graphic Design 3 credits  
ARTD 490 - Graphic Design Portfolio 3 credits  
ARTS 235 - Introduction to Photography 3 credits  
ARTS 316 - Intermediate Drawing 3 credits

**Studio or approved electives:**

12 credits.

*Preferred effective term: Fall 2010*

**COLLEGE OF ARTS AND SCIENCES: Liberal Studies**

**Liberal Studies Major (42 credits minimum)**

**CIP Code: 240101 Major Code: 2022**

**Brief Summary:**

The Liberal Studies Department is proposing the following changes to its major:

1. The option for the student to complete two minors to earn their degree will no longer be stated. The students can however combine two minors into a concentration with the approval of their advisor.
2. The restriction stating that no student can declare the major after 77 hours is being removed.
3. States that any changes to the student's concentration must proceed through the standard petition and review process.
4. States that courses required in the concentration cannot be used for General Education requirements, with the exception of the Capstone requirement.
5. Majors must earn a minimum grade point average of 2.5 in the concentration.

### **Student Learning:**

The program is currently working on an assessment plan. Given the structure of the plan previously, we hadn't created one for the on-campus program.

### **Proposed Catalog Copy:**

#### **Liberal Studies Major (42 credits minimum)**

**CIP Code: 240101 Major Code: \_\_\_\_\_**

Bachelor of Arts or Bachelor of Science Degree (124 credits)

Admission to the Liberal Studies major is granted to all new freshmen admitted unconditionally to the University and to transfer students and continuing students who have earned a cumulative grade point average of no less than 2.50 in all prior undergraduate course work.

#### **Liberal Studies Major (42 credits minimum):**

Majors will submit a "Concentration Proposal" to the Coordinator of the Liberal Studies Program no later than the end of the semester after admission to the program. If approved by the program faculty, the student may proceed with the curriculum. Once approved, the proposal constitutes the program of study for the major; any subsequent changes in the concentration will proceed through the standard petition and review process.

#### **Other Requirements:**

1. Majors complete a special configuration of courses totaling no less than 42 credits;
2. A maximum of 24 credits of course work may be completed from a specific discipline;
3. A maximum of 24 credits of course work may be taken outside the College of Arts and Sciences;

4. Courses required in the concentration cannot be used to meet any Foundational Studies requirement, except in the case of the capstone requirement, which may be satisfied with a course in the concentration,
5. Majors must earn a minimum grade point average of 2.50 in the concentration;
6. A minimum of 74 credits of course work for the degree must be taken from the College of Arts and Sciences.

*Preferred effective term: Fall 2010*

## **COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Health, Safety, and Environmental Health Sciences**

**Health Sciences Major (60-73 credits)**  
**CIP Code: 511504 Major Code: A232**

### **Brief Summary:**

We are proposing including Phys 105 and 105L as required courses for the Environmental Health concentration. Adding Physics 105 and 105L to the program will better prepare students for the Environmental Health field. Accreditation of the program requires that physics be included in the curriculum. The course is also a required course for students to be eligible to sit for the national certification exam for environmental health practitioners.

### **Student Learning:**

The National Environmental Health Science and Protection Accreditation Council (<http://www.ehacoffice.org/accred-guide/under-guide.php>) requires physics. Physics 105 and 105L meets the requirement. Program has been approved for Fall 2010.

### **Proposed Catalog Copy:**

**Health Sciences Major (65-73 credits)**  
**CIP Code: 511504 Major Code: A232**

The objectives of this degree program are to prepare health professionals to help maintain and improve the health, well-being, and quality of life of people; to prepare students to become health teachers; and to prepare students to pursue graduate education in a variety of related fields.

Students completing the health sciences major must earn a minimum of a “C” grade in all required major courses (core, content, culminating experience, professional and foundation courses).

Students completing the school health concentration must be thoroughly familiar with the requirements for admission to the Teacher Education Program and the teaching curriculum. Refer to the College of Education and the Department of Curriculum, Instruction, and Media Technology in this catalog.

All students must maintain a 2.5 grade point average in both the major courses and in their

overall grade point average to graduate.

**Health Sciences Core Courses (15 hours):**

HLTH 111 - Personal Health Science and Wellness 3 credits  
HLTH 221 - Community Health Concepts 3 credits  
HLTH 340 - Health Biostatistics 3 credits  
HLTH 392 - Educational Methods for Health and Safety 3 credits  
HLTH 480 - Senior Seminar 3 credits

**Public Health Concentration (49 - 51 hours):**

**Health, Safety, and Environmental Health Sciences Courses:**

HLTH 210 - Principles of Environmental Health 3 credits  
HLTH 341 - Community Health Research Methods 3 credits  
HLTH 360 - Epidemiology 3 credits  
HLTH 393 - Cooperative Practice 2 credits  
HLTH 401 - Substance Abuse Education 3 credits  
HLTH 402 - Mental Health and Stress Education 3 credits  
HLTH 403 - Communicable and Chronic Diseases, and AIDS 3 credits  
HLTH 406 - Human Sexuality Education 3 credits  
HLTH 424 - Health Promotion Planning 3 credits  
HLTH 428 - Health Program Evaluation 3 credits  
HLTH 446 - Individual, Community and General Safety Education 3 credits  
HLTH 491 - Community Health Internship 3 credits  
FCS 201 - Nutrition 3 credits

**Other Required Courses:**

PE 180 - Physical Fitness for Majors and Minors 1 credit  
PSY 101 - General Psychology : Understanding Human Behavior 3 credits

**Choose one from the following:**

PSY 362 - Psychology of Personality 3 credits  
PSY 368 - Introduction to Abnormal Psychology 3 credits

**Choose one of the following groups:**

ATTR 210 - Human Anatomy for Allied Health Professions 2 credits  
PE 220 - Human Physiology for Allied Health Professions 2 credits  
or  
BIO 231 - Human Anatomy 2credits  
BIO 231L - Human Anatomy Laboratory 1 credit  
BIO 241 - Human Physiology 2 credits  
BIO 241L - Human Physiology Laboratory 1 credit

**School Health Education Concentration (56 - 58 hours):**

**Health, Safety, and Environmental Health Sciences Courses:**

HLTH 211 - Emergency Medical Care and Advanced First Aid 2 credits  
HLTH 211L - Advanced Emergency Medical Skill Proficiency Laboratory 1 credit  
HLTH 401 - Substance Abuse Education 3 credits

HLTH 402 - Mental Health and Stress Education 3 credits  
HLTH 403 - Communicable and Chronic Diseases, and AIDS 3 credits  
HLTH 406 - Human Sexuality Education 3 credits  
HLTH 313 - Comprehensive School Health Education 3 credits  
FCS 201 - Nutrition 3 credits

**Other Required Courses:**

CIMT 301 - Teaching I 3 credits  
CIMT 302 - Teaching II 3 credits  
CIMT 400 - Teaching III 3 credits  
CIMT 400L - Teaching III Practicum 1 credit  
CIMT 401 - Student Teaching 11 credits  
CIMT 402 - Teaching an Integrated Unit 1 credit  
EPSY 202 - Psychology of Childhood and Adolescence 3 credits  
EPSY 341 - Education in a Multicultural Society 3 credits  
SPED 226 - The Exceptional Learner in the Regular Classroom 3 credits

**Choose one of the following groups:**

ATTR 210 - Human Anatomy for Allied Health Professions 2 credits  
PE 220 - Human Physiology for Allied Health Professions 2 credits  
or:  
BIO 231 - Human Anatomy 2 credits  
BIO 231L - Human Anatomy Laboratory 1 credit  
BIO 241 - Human Physiology 2 credits  
BIO 241L - Human Physiology Laboratory 1 credit

**Environmental Health Concentration (50 hours)**

**Health, Safety, and Environmental Health Sciences Courses:**

HLTH 210 - Principles of Environmental Health 3 credits  
HLTH 341 - Community Health Research Methods 3 credits  
HLTH 360 - Epidemiology 3 credits  
HLTH 377 - Environmental Field Sampling & Analysis 3 credits  
HLTH 377L- Environmental Field Sampling & Analysis and Lab 1 credit  
HLTH 425 - Toxicology 3 credits  
HLTH 429 - Hazardous Substances Waste Materials 3 credits  
HLTH 437 - Pollution Prevention and Control Technology 3 credits  
HLTH 457 - Food Protection 3 credits  
HLTH 491- Community Health Internship 3 credits

**Other Required Courses:**

BIO 112 -Human Aspects of Biology 3 credits  
BIO 112L- Exploration of Biological Phenomena 1 credit  
BIO 274 - Introduction to Microbiology 2 credits  
BIO 274L- Introduction to Microbiology Lab 1 credit  
CHEM 103- Elementary Chemistry 3 credits  
CHEM 103L- Elementary Chemistry Lab 1credit  
CHEM 104-Elementary Organic and Biochemistry 3 credits

CHEM 104L- Elementary Organic and Biochemistry Lab 1 credit  
MATH 115- College Algebra and Trigonometry 3 credits  
PHYS 105 - Gen Physics 1 3 credits  
PHYS 105L - Gen Physics 1 1 credit

**Health Administration Concentration (45 - 47 hours)**

**Health, Safety, and Environmental Health Sciences Courses:**

HLTH 341 - Community Health Research Methods 3 credits  
HLTH 360 - Epidemiology 3 credits  
HLTH 393 - Cooperative Practice 2 credits  
HLTH 424 - Health Promotion Planning 3 credits  
HLTH 428 - Health Program Evaluation 3 credits  
HLTH 491 - Community Health Internship 3 credits

**Select one of the following courses:**

HLTH 401 - Substance Abuse Education 3 credits  
HLTH 402 -Mental Health and Stress Education 3 credits  
HLTH 403 - Communicable and Chronic Diseases, and AIDS 3 credits

**Other Required Courses:**

ACCT 200 - Survey of Accounting 3 credits  
FIN 200 - Fundamentals of Finance 3credits  
MGT 301 - Survey of Management 3 credits  
MKTG 301 - Introduction to Marketing 3 credits  
HRD 420 - Career Development and Employee Appraisals 3 credits  
HRD 425 - Organizational Development 3 credits  
PSY 101 - General Psychology 3 credits

**Choose one of the following groups:**

ATTR 210 - Human Anatomy for Allied Health Professions 2 credits  
PE 220 - Human Physiology for Allied Health Professions 2 credits

or:

BIO 231 - Human Anatomy 2 credits  
BIO 231L - Human Anatomy Laboratory 1 credit  
BIO 241 - Human Physiology 2 credits  
BIO 241L - Human Physiology Laboratory 1 credit

*Preferred effective term: Fall 2010*

**COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Health, Safety, and Environmental Health Sciences**

**Safety Management Major (68 credits)**  
**CIP Code: 150701 Major Code: A222**

**Brief Summary:**

We would like to decrease the credit credits required for HLTH 315L and 335L from 2 credit credits to 1. The content of the labs do not merit a "two credit credits" designation. This will decrease the total credit credits needed to complete the Safety Management Program.

**Student Learning:**

There will be no impact on student learning.

**Proposed Catalog Copy:**

**Safety Management Major (66 credits)**



**CIP Code: 150701 Major Code: \_\_\_\_\_**

A course of study in the management, evaluation, and control of safety and health hazards associated with the workplace environment.

#### Admission and Retention

There are three levels of review for selective admission, retention, and graduation from the safety management major.

#### Tentative Admission to Safety Management

Unconditionally admitted new freshmen or current students with a minimum cumulative grade point average (GPA) of 2.0 must: complete satisfactorily all foundation courses; complete Health, Safety, and Environmental Health Sciences 212, 314, 340 with a grade of C or better; and establish an Indiana State University minimum cumulative GPA of 2.25.

#### Candidate for Internship

The internship policy of the major requires filing of an application, normally at the Student Internship Qualification Meeting in the academic year prior to the internship, and meeting these performance standards:

1. Be in good standing during tentative admission phase of the curriculum.
2. Have earned 65 or more semester credits and have an Indiana State University minimum cumulative GPA of 2.25 (including a minimum of ten Indiana State University credits with a GPA of 2.25 or higher.)
3. Maintain an Indiana State University GPA of 2.5 or higher in departmental safety management courses.
4. Maintain no less than a C grade in departmental safety management courses.
5. Complete an internship application, attend internship organizational meeting, and submit a resume.
6. Complete all prerequisite courses required for the internship, an internship application, attend internship organizational meeting, and submit a resume.

#### Candidate for Graduation

Applicants for graduation must complete all University graduation requirements stated elsewhere in the Catalog and simultaneously file an application for graduation review with the Safety Management Program. Safety management candidates for graduation must:

1. Present a minimal ISU cumulative GPA of 2.25.
2. Present a minimum Indiana State University GPA of 2.5 in all safety management courses. At least 24 semester credits of the major must be completed at Indiana State University.
3. Receive no less than a grade of "C" in each safety management course.
4. Satisfactorily complete supervised safety management internship experience. (Health, Safety, and Environmental Health Sciences 492.)
5. Complete remainder of major course requirements (Management 400 or Manufacturing and Construction Technology 492; and Health, Safety, and Environmental Health

Sciences 335 and 335L, 416, 423, 429, 460.)

The student will be notified of denial of admission to the Safety Management Program or removal from the Safety Management Program.

**Health, Safety, and Environmental Health Sciences courses (45 credits):**

HLTH 212 - Introduction to Industrial Health and Safety 3 credits  
HLTH 314 - Industrial Health and Safety Legislation 3 credits  
HLTH 315 - Industrial Hygiene I 3 credits  
HLTH 315L - Industrial Hygiene I Laboratory 1 credit  
HLTH 318 - Industrial Accident Prevention I 3 credits  
HLTH 319 - Industrial Accident Prevention II 3 credits  
HLTH 328 - Fire Protection Systems/Techniques 3 credits  
HLTH 335 - Industrial Hygiene II 3 credits  
HLTH 335L - Industrial Hygiene II Laboratory 1 credit  
HLTH 340 - Health Biostatistics 3 credits  
HLTH 411 - Analysis Techniques in Industrial Health and Safety 3 credits  
HLTH 416 - Administration of Industrial Health and Safety Programs 3 credits  
HLTH 423 - Current Issues and Training Concepts in Industrial Health and Safety 3 credits  
HLTH 429 - Hazardous Substances and Waste Materials 3 credits  
HLTH 460 - Human Factors/Ergonomics 3 credits  
HLTH 492 - Professional Field Practice Internship in Safety Management 4 (per internship) credits

**Foundation courses (15 credits):**

CHEM 103 - Elementary Chemistry 3 credits  
CHEM 103L - Elementary Chemistry Laboratory 1 credit  
CHEM 104 - Elementary Organic and Biochemistry 3 credits  
CHEM 104L - Elementary Organic and Biochemistry Laboratory 1 credit  
MATH 115 - College Algebra and Trigonometry 3 credits  
PHYS 105 - General Physics I 3 credits  
PHYS 105L - General Physics Lab 1 credit

**Basic Foundation Courses (6 credits):**

MGT 301 - Survey of Management 3 credits  
MGT 400 - Survey of Human Resource Management 3 credits  
*Preferred effective term: Fall 2010*

## **CORRECTIONS**

**AET 461 was published as approved on March 1, 2010 with the incorrect title. The correct title is being published as a correction and is reflected in bold and italics.**

***AET 461 – Evolution of the Automobile Industry through the Lens of Sociology***  
3 credits

Through the lenses of sociology, including such theories as functionalism and conflict theory, the evolution of the automobile industry is explored, focusing on relevant social conditions and events that have advanced the automobile industry from inception to the present and future.

Through the medium of student developed presentations, students utilize sociological concepts and theories to explain and even predict outcomes in the automotive industry, enter into dialogue with their peers, and participate in critiquing fellow student presentations.

**Prerequisites:** Junior standing.

**Foundational Studies Credit:** [FS 2010: Social and Behavioral Sciences]

*Preferred effective term: Fall 2010*