



# *Academic Notes*

JANUARY 22, 2007

AN 2006-2007

## **ACADEMIC NOTES PUBLICATION SCHEDULE** **FOR SPRING 2007**

Below is the circulation schedule for the electronic copy of *Academic Notes* through August 14, 2006. **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, along with an E-Mail or a diskette with the same information in Microsoft Word format. Failure to submit a diskette containing this information will delay publication.** *Academic Notes* is available using Acrobat Reader at <http://www.indstate.edu/site/acad-aff/2315.html>.

## **ACADEMIC NOTES PUBLICATION SCHEDULE** **FOR SPRING 2007**

### **Deadline for Items**

### **Issue Date**

January 24	January 29
January 31	February 5
February 7	February 12
February 14	February 19
February 21	February 26
February 28	March 5
March 7	March 12
March 14	March 19
March 21	March 26
March 28	April 2
April 4	April 9
April 11	April 16
April 18	April 23
April 25	April 30
May 2	May 7

# CURRICULUM

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## UNDERGRADUATE PROPOSALS

### PROGRAM REVISIONS

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

##### Elementary Education Major (124 semester hours minimum)

CIP Code 131202 Major Code 8542

##### Summary:

This change adds a course to the elementary education program, ELED 335. Total hours for the degree are not increased because of an earlier change that eliminated the requirement of a student to complete a concentration area of at least 18 hours—it was changed to a minimum of 12 hours of electives.

## **Student Learning:**

The Indiana Professional Standards Board (IPSB) licensure requirements has two development levels for elementary – Early Childhood (EC) and Middle Childhood (MC). Middle Childhood covers the upper primary grades, and Early Childhood covers the developmental period that includes children from birth through age eight. To make sure that students fully understand that developmental period before first grade, ELED 335 is being added to the curriculum for performance assessment of students and to ensure that we can with confidence recommend a student for an EC license.

## **Proposed Catalog Copy:**

### ***Elementary Education Major (124 semester hours minimum)***

The student who desires to be an elementary teacher must remain in good standing in the Teacher Education Program and complete the program outlined below which will satisfy requirements for the bachelor of science degree or the bachelor of arts degree provided the foreign language requirement is fulfilled. Satisfactory completion of the program will also make the individual eligible for the Standard Instructional License in the state of Indiana provided that the individual satisfies the test requirements. Upon completion of this degree, the holder can be licensed in the elementary, primary, and intermediate school setting.

### ***General Education and additional subject matter (71 semester hours minimum)***

The student will complete the Indiana State University Basic Skills and Liberal Studies components of the General Education Program.

The following courses must be completed either as a part of the Indiana State University General Education Program or in addition to it with a grade of “C” or above.

Art 151—3 hrs. (satisfies the Literary, Artistic, and Philosophical Studies elective requirement) or Art Education 390—4 hrs.; Communication 302—3 hrs. (satisfies the Communication requirement); Educational Psychology 341—3 hrs. (satisfies the Multicultural Studies: U.S. Diversity requirement); Elementary Education 272—3 hrs. (satisfies the Information Technology Literacy requirement); English 235—3 hrs.; 280—3 hrs. or Communication 266—3 hrs.; Educational Leadership, Administration, and Foundations 200—3 hrs. (prerequisite to enroll in Block II Professional Education courses); Health, Safety, and Environmental Health Sciences 327—3 hrs.; History 102—3 hrs. or History 101—3 hrs. (satisfies the Historical Studies requirement); 202—3 hrs. or 201—3 hrs. (satisfies the Historical Studies requirement); Mathematics 205\*—3 hrs.; 305\*- -3 hrs.; Music 325—3 hrs.; Science Education 393—4 hrs.; 393L—1 hr.; Physical Education 348—2 hrs. (satisfies the Physical Education requirement); Geography 130—3 hrs. (satisfies the Multicultural Studies International Cultures requirement); an approved physical science course; an approved life sciences course; approved Social and Behavioral Studies courses.

\*May not be taken by correspondence.

### ***Professional Education (36 semester hours minimum)***

A grade of C or better is required in each course as well as a minimum grade point average of 2.5.

The professional education component in elementary education consists of a sequential pattern of course work integrated into blocks. Each subsequent block has the previous block as prerequisite. Prior to enrolling in Block III, the student must have been admitted to the Teacher Education Program I. Early and continuous experiences with children in school settings are included throughout the professional education component. All block sequences include practicum experiences in actual school settings. These laboratory courses do not carry course credit, but are required to successfully complete each block.

Special Education 226—3 hrs. or 102—3 hrs. or Elementary Education 437—3 hrs. (This course is prerequisite to enrollment in Block II.)

Elementary Education 335—3 hrs. (This course may be taken with any block EXCEPT Block V).

**Foundations Block I** (4 semester hours): Elementary Education 100—1 hr.; 100L—0 hr.; Educational Psychology 202—3 hrs.

**Teaching-Learning Block II** (8 semester hours): Elementary Education 250—3 hrs.; 250L —0 hrs.; 259—2 hrs.; 324—3 hrs.

**Methods-Content Block III** (6 semester hours): Elementary Education 392—3 hrs.; 392L—0 hrs.; 397—3 hrs.

**Methods-Content Block IV** (6 semester hours): Elementary Education 394—3 hrs.; 394L—0 hrs.; 398—3 hrs.

**Practicum Block V** (12 semester hours): Elementary Education 451—6 hrs.; 453—3 hrs.; 457—3 hrs.

### ***Electives (12 semester hours minimum)***

The elective area is designed to bring depth and/or breadth to the student's program or to aid in securing a second license. Three options are available:

1. Any University minor as specified by the *Undergraduate Catalog*. The minor area may not appear on a teaching license, but will appear on the University degree as well as provide students with more depth of understanding in an area of interest. (Check with the Education Student Services Office for applicable minors.)
2. Completion of a sequence of courses that can lead to an additional instructional license added to the school setting of early and middle childhood. The instructional setting of middle/junior high school can also be added to the instructional license along with a content area to allow the student to teach at the middle school level.
3. Electives of the student's choice to study an area of interest or explore other fields.

# UNDERGRADUATE APPROVALS

## COURSE REVISIONS

### COLLEGE OF ARTS AND SCIENCES: Art

#### (ARTD)

**ARTD 220 Graphic Design I**--3 hours. Typography and design techniques. Introduction to formal values of visual communication and use of the computer for graphic design. Prerequisites: 101, 102, and 104; or consent of instructor.

*Change title, description, and delete prerequisite:*

**ARTD 220 Introduction to Graphic Design**--3 hours. Typography and design techniques. Introduction to the history of graphic design, formal values of visual communication, and use of the computer for graphic design.

*Preferred effective term: Fall 2007*

**ARTD 400K Art Workshop**--1-9 hours. Specialized training in some form of the visual arts.

*Change title, credit hours, and description to:*

**ARTD 400K Graphic Design Workshop**--1-6 hours. Advanced application of design skills in problems developed between student and instructor. May be repeated for credit up to a total nine credit hours.

*Preferred effective term: Fall 2007*

#### (ARTS)

**ARTS 101 Art Fundamentals: Beginning Drawing**--3 hours. Lecture/laboratory. Fundamentals of drawing.

*Change title and description to:*

**ARTS 101 Fundamentals of Drawing**--3 hours. Lecture/laboratory. Fundamentals of drawing. Emphasis on acquiring basic drawing skills.

*Preferred effective term: Fall 2007*

**ARTS 102 Art Fundamentals: Two-Dimensional Design and Color**--3 hours. Lecture/laboratory. Fundamentals and theory of two-dimensional design and color. Exploration of a variety of art-media, including the computer.

*Change title to:*

**ARTS 102 Fundamentals of Two-Dimensional Design and Color**--3 hours. . Lecture/laboratory. Fundamentals and theory of two-dimensional design and color. Exploration of a variety of art-media, including the computer.

*Preferred effective term: Fall 2007*

**ARTS 104 Art Fundamentals: Three-Dimensional Design**--3 hours. Lecture/laboratory. Fundamentals of three-dimensional design and theory. Prerequisites: 101, or consent of instructor.

*Change title to:*

**ARTS 104 Fundamentals of Three-Dimensional Design and Color**--3 hours. Lecture/laboratory. Fundamentals of three-dimensional design and theory. Prerequisites: 101, or consent of instructor.

*Preferred effective term: Fall 2007*

**ARTS 210 Ceramics I**--3 hours. An introductory exploration of the three-dimensional container form, utilizing various ceramics approaches. Prerequisites: 101, 102, and 104; or consent of instructor.

*Change title to:*

**ARTS 210 Introduction to Ceramics**--3 hours. An introductory exploration of the three-dimensional container form, utilizing various ceramics approaches. Prerequisites: 101, 102, and 104; or consent of instructor.

*Preferred effective term: Fall 2007*

**ARTS 215 Drawing I**--3 hours. A course based on observation of natural, mechanical, and human forms, and their representation through various drawing materials. Emphasis on acquiring basic drawing skills. Prerequisites: 101, 102, and 104; or consent of instructor.

*Change title and description to:*

**ARTS 215 Fundamentals of Drawing II**--3 hours. A course based on observation of natural, mechanical, and human forms, and their representation through various drawing materials. Emphasis on expanding basic drawing skills. Prerequisites: 101, 102, and 104; or consent of instructor.

*Preferred effective term: Fall 2007*

**ARTS 230 Painting I**--3 hours. A study of compositional structures and how they relate to basic picture building. Prerequisites: 101, 102, and 104; or consent of instructor.

*Change title and description to:*

**ARTS 230 Introduction to Painting**--3 hours. An exploration of the skills and techniques associated with direct and indirect oil painting. Prerequisites: 101, 102, and 104; or consent of instructor.

*Preferred effective term: Fall 2007*

**ARTS 235 Photography I**--3 hours. An introductory course in the fundamentals of darkroom work and digital imagery, and the use of the photographic medium as a means of visual expression. Prerequisites: 101, 102, and 104; or consent of instructor.

*Change title to:*

**ARTS 235 Introduction to Photography**--3 hours. An introductory course in the fundamentals of darkroom work and digital imagery, and the use of the photographic medium as a means of visual expression. Prerequisites: 101, 102, and 104; or consent of instructor.

*Preferred effective term: Fall 2007*

**ARTS 240 Printmaking I**--3 hours. Introduction to basic printmaking techniques: relief, calligraphy, and intaglio. Prerequisites: 101, 102, and 104; or consent of instructor.

*Change title to:*

**ARTS 240 Introduction to Beginning Printmaking**--3 hours. Introduction to basic printmaking techniques: relief, calligraphy, and intaglio. Prerequisites: 101, 102, and 104; or consent of instructor.

*Preferred effective term: Fall 2007*

**ARTS 245 Sculpture I**--3 hours. An introduction to three-dimensional form, space, and content. Emphasis on construction, fabrication, and assemblage. Prerequisites: 101, 102, and 104; or consent of instructor.

*Change title to:*

**ARTS 245 Introduction to Sculpture**--3 hours. An introduction to three-dimensional form, space, and content. Emphasis on construction, fabrication, and assemblage. Prerequisites: 101, 102, and 104; or consent of instructor.

*Preferred effective term: Fall 2007*

**ARTS 311 Ceramics II**--3 hours. A continuing exploration of the three-dimensional form with clay and glazes as the primary media. May be repeated once for credit. Prerequisites: 210 and 215, or consent of instructor.

*Change title and description to:*

**ARTS 311 Intermediate Ceramics**--3 hours. A continuing exploration of the three-dimensional form with clay and glazes as the primary media. May be repeated twice for credit. Prerequisites: 210 and 215, or consent of instructor.

*Preferred effective term: Fall 2007*

**ARTS 316 Drawing II**--3 hours. A second course based on observation of natural, mechanical, and human forms, and their representation through various drawing materials. Emphasis on acquiring advanced drawing skills. May be repeated once for credit. Prerequisite: 215 or consent of instructor.

*Change title and description to:*

**ARTS 316 Intermediate Drawing**--3 hours. A course based on observation of natural, mechanical, and human forms, and their representation through various drawing materials. Emphasis on acquiring advanced drawing skills. May be repeated twice for credit. Prerequisite: 215 or consent of instructor.

*Preferred effective term: Fall 2007*

**ARTS 331 Painting II**--3 hours. Study in painting media and the development of a personal iconography. Prerequisites: 215 and 230, or consent of instructor.

*Change title and description to:*

**ARTS 331 Intermediate Painting**--3 hours. Further exploration of painting media, with emphasis on the development of skills and techniques. As well as individual approaches to content. May be repeated twice for credit. Prerequisite: 215 and 230 or consent of instructor.

*Preferred effective term: Fall 2007*

**ARTS 336 Photography II**--3 hours. An investigation into photography as a method of exploring variations through digital imagery and darkroom manipulations. Emphasis on quality print control and advanced camera use. May be repeated once for credit. Prerequisites: 215 and 235, or consent of instructor.

*Change title and description to:*

**ARTS 336 Intermediate Photography**--3 hours. An investigation into photography as a method of exploring variations through digital imagery, darkroom manipulations and alternative processes. Emphasis on

quality print control and advanced camera use. May be repeated twice for credit. Prerequisites: 215 and 235, or consent of instructor.

*Preferred effective term: Fall 2007*

**ARTS 341 Printmaking II**--3 hours. Intaglio and mixed media print processes with an introduction to lithography. May be repeated once for credit. Prerequisites: 215 and 240, or consent of instructor.

*Change title and description to:*

**ARTS 341 Intermediate Printmaking** --3 hours. Further exploration of print media with emphasis on specific or combined processes. May be repeated twice for credit. Prerequisites: 215 and 240, or consent of instructor.

*Preferred effective term: Fall 2007*

**ARTS 346 Sculpture II**--3 hours. Continuation of 245 with enriched theory and practice. Fundamentals and practice of construction, fabrication, assemblage with mixed media, and welded steel construction. May be repeated once for credit. Prerequisites: 215 and 245, or consent of instructor.

*Change title and description to:*

**ARTS 346 Intermediate Sculpture**-- 3 hours. Continuation of 245 with enriched theory and practice. Fundamentals and practice of construction, fabrication, assemblage with mixed media, and welded steel construction. May be repeated twice for credit. Prerequisites: 215 and 245, or consent of instructor.

*Preferred effective term: Fall 2007*

**ARTS 400 Art Workshop**--1-9 hours. Specialized training in some form of the visual arts.

*Change title and description to:*

**ARTS 400 Senior Studio**--1-6 hours per semester. Senior level studio experience in the visual arts. Offered for majors only. Repeatable up to nine credit hours maximum.

*Preferred effective term: Fall 2007*

**ARTS 410 Ceramics IV**--3 hours. An advanced study of three-dimensional form and ceramic techniques, emphasizing a working knowledge of kiln functions and operations. Prerequisite: 312 or consent of instructor.

*Change title, description, and prerequisites to:*

**ARTS 410 Advanced Ceramics**--3 hours. Advanced study of three-dimensional form, ceramic technique, process and raw materials, with emphasis on a working knowledge of kiln functions and operations. Repeatable up to five times. Prerequisite: 311 or consent of instructor.

*Preferred effective term: Fall 2007*

**ARTS 415 Drawing IV**--3 hours. A visual investigation into various traditional and non-traditional ideas, techniques, and materials in drawing. Emphasis on the development of the personal iconography of the student. Prerequisite: 317 or consent of instructor.

*Change title, description, and prerequisites to:*

**ARTS 415 Advanced Drawing**--3 hours. Traditional and non-traditional materials and techniques in drawing. Emphasis on development of a personal approach to form and content. Repeatable up to four times. Prerequisite: 316 or consent of instructor.

*Preferred effective term: Fall 2007*



**ARTS 430 Painting IV**--3 hours. Advanced painting, embracing extensive experiments in new aesthetic concepts. Prerequisites: 215 and 230, or consent of instructor.

*Change title, description, and prerequisites to:*

**ARTS 430 Advanced Painting**--3 hours. Self-directed studio work toward the creation of a personal and significant body of work in painting. Repeatable up to five times. Prerequisite: 331 or consent of instructor.

*Preferred effective term: Fall 2007*

**ARTS 435 Photography IV**--3 hours. Advanced exploration of photographic media as a means of expression, including some exploration into mixed-media; primarily individual projects. Prerequisite: 337 or consent of instructor.

*Change title, description, and prerequisites to:*

**ARTS 435 Advanced Photography**--3 hours. Advanced exploration of photographic media as a means of expression, with emphasis on self-motivated work and development of a student's portfolio. Repeatable up to five times. Prerequisite: 336 or consent of instructor.

*Preferred effective term: Fall 2007*

**ARTS 440 Printmaking IV**--3 hours. Stone and metal plate lithography. Prerequisite: 342 or consent of instructor.

*Change title, description, and prerequisites to:*

**ARTS 440 Advanced Printmaking**--3 hours. Advanced problems in print media which may include lithography and/or photo processes. Emphasis on self-determined imagery. Repeatable up to five times. Prerequisite: 341 or consent of instructor.

*Preferred effective term: Fall 2007*

**ARTS 445 Sculpture IV**--3 hours. Advanced exploration of sculptural concepts. Emphasis on metal construction with mixed media. Prerequisite: 347 or consent of instructor.

*Change title, description, and prerequisites to:*

**ARTS 445 Advanced Sculpture**--3 hours. Individual projects, with emphasis on form, concept, and integration of multimedia. Repeatable up to five times. Prerequisite: 346 or consent of instructor.

*Preferred effective term: Fall 2007*

## **COLLEGE OF HEALTH AND HUMAN PERFORMANCE: Athletic Training**

**ATTR 110 Introduction to Health Professions**—3 hours. Over 30 medical and allied health professions will be examined including educational prerequisites, curriculum, licensing/credentialing, working conditions, and professional organizations and how to apply to these organizations. Visits to medical or allied health facilities may be required.

*Change description to:*

**ATTR 110 Introduction to Health Professions**—3 hours. Educational prerequisites, curriculum, licensing/credentialing, working conditions, and professional organizations for at least 30 medical and allied health professions will be examined. Professional ethics will be discussed in this course. Service learning experiences required.

*Preferred effective term: Fall 2007*

**ATTR 212 Care and Prevention of Athletic Injuries and Illnesses**—3 hours. Introductory course for athletic training majors. Major topics include the prevention, evaluation, and initial care of athletic injuries and illnesses. Prerequisite: 210 or Life Sciences 231. Laboratory required for athletic training majors.

*Change prerequisites and co-requisites to:*

**ATTR 212 Care and Prevention of Athletic Injuries and Illnesses**—3 hours. Introductory course for athletic training majors. Major topics include the prevention, evaluation, and initial care of athletic injuries and illnesses. Prerequisite: successful completion of 210 and 210L or permission of course instructor. Co-requisite: 212 L.

*Preferred effective term: Fall 2007*

**ATTR 225 Medical Terminology for Allied Health Professions**—3 hours. A course designed to introduce terminology and abbreviations used in progress oriented medical records, SOAP notes, and medical insurance records. Documentations of administrative, preseason, injury, and research records are included.

*Change description to:*

**ATTR 225 Medical Terminology for Allied Health Professions**—3 hours. A course designed to introduce terminology and abbreviations used in medical records including administrative, pre-season, injury, and research records.

*Preferred effective term: Fall 2007*

**ATTR 255 Athletic Training Observation I**—1 hour. The first of two clinical observation courses for preprofessional division athletics training majors. Students will complete structured observations and demonstrate proficiency in selected training skills. Prerequisites or co-requisites: 212 and 212L.

*Change title, credit hours, description, prerequisites and delete co-requisites to:*

**ATTR 255 Clinical I**—3 hours. Students will complete structured practical rotations and demonstrate selected athletic training skill acquisition. Prerequisite: formal acceptance into the professional component of the program through formal application.

*Preferred effective term: Fall 2007*

**ATTR 256 Athletic Training Observation II**—1 hour. The second of two clinical observation courses for preprofessional division athletic training majors. Students will complete structured observations and demonstrate proficiency in selected athletic training skills. Prerequisite: 255.

*Change title, credit hours, description, and prerequisites to:*

**ATTR 256 Clinical II**—3 hours. Students will complete structured practical rotations and demonstrate selected athletic training skills acquisition. Prerequisite: successful completion of 255 or permission of instructor.

*Preferred effective term: Fall 2007*

**ATTR 355 Clinical Experience in Athletic Training I**—3 hours. Structured clinical experience in prevention, care, and rehabilitation of athletic injuries. Requires completion of four individualized learning modules, each of which requires completion of specified clinical experiences and/or demonstration of mastery of clinical skills and techniques. Prerequisites: acceptance into the athletic training professional

component through formal application.

*Change title, description, and prerequisites to:*

**ATTR 355 Clinical III**—3 hours. Students will complete structured practical rotations and demonstrate selected athletic training skills acquisition. Prerequisite: successful completion of 256 or permission of instructor.

*Preferred effective term: Fall 2007*

**ATTR 356 Clinical Experience in Athletic Training II**—3 hours. Structured clinical experience in prevention, care, and rehabilitation of athletic injuries. Requires completion of four individualized learning modules, each of which requires completion of specified clinical experiences and/or demonstration in mastering clinical skills and techniques. Prerequisites: 355 and acceptance into the athletic training professional component through formal application.

*Change title, description, and prerequisites to:*

**ATTR 356 Clinical IV**—3 hours. Students will complete structured practical rotations and demonstrate selected athletic training skills acquisition. Prerequisite: successful completion of 355 or permission of instructor.

*Preferred effective term: Fall 2007*

**ATTR 363 Athletic Injury Evaluation: Lower Extremity**—3 hours. In-depth inquiry into the anatomical, physiological, pathological, and psychological processes that occur due to athletic injuries. Injury signs, symptoms, and specific tests for the lower extremity will be discussed. Prerequisites: 255, 273, and 380, and acceptance into the athletic training professional component through formal application.

*Change title, description, and prerequisites to:*

**ATTR 363 Orthopedic Evaluation and Diagnosis I**—3 hours. In-depth inquiry into the anatomical and physiological processes that occur in orthopedic injuries. Prerequisite: acceptance into the athletic training professional component of the program through formal application.

*Preferred effective term: Fall 2007*

**ATTR 365 Athletic Injury Evaluation: Upper Extremity**—3 hours. In-depth inquiry into the anatomical, physiological, pathological, and psychological processes that occur due to athletic injuries. Injury signs, symptoms, and specific tests for the upper extremity will be discussed. Prerequisites: 363 and acceptance into the athletic training professional component through formal application.

*Change title, description and prerequisites to:*

**ATTR 365 Orthopedic Evaluation and Diagnosis II**—3 hours. A continuation of in-depth inquiry into the anatomical and physiological processes that occur to orthopedic injuries. Prerequisite: successful completion of 363 or permission of instructor.

*Preferred effective term: Fall 2007*

**ATTR 425 Administration of Athletic Health Care Delivery Systems**—3 hours. Current issues in the organization and administration of athletic health care delivery systems in secondary, collegiate, professional, corporate, clinical, and industrial settings are covered as they relate to the preparation and subsequent role of the certified athletic trainer.

*Change title, description, and prerequisites to:*

**ATTR 425 Organization and Administration of Health Care Delivery Systems**—3 hours. Current

issues in the organization and administration of health care delivery systems in secondary, collegiate, professional, corporate, clinical, and industrial settings. Prerequisite: admittance into the professional component of the program through formal application or permission of instructor.

*Preferred effective term: Fall 2007*

**ATTR 435 Pharmacology for Athletic Trainers**—3 hours. A course in basic pharmacology emphasizing drug law, routes of administration, basic pharmacokinetics, and the specific pharmacology of drugs commonly used in physical medicine. Prerequisite: Physical Education 220 or Life Sciences 241.

*Change title, description, and prerequisites to:*

**ATTR 435 Pharmacology**—3 hours. A course in basic pharmacology emphasizing drug law, routes of administration, basic pharmacokinetics, and the specific pharmacology of drugs commonly used in physical medicine. Prerequisites: Physical Education 381; admittance into the professional component of the program through formal application or permission of instructor.

*Preferred effective term: Fall 2007*

**ATTR 455 Clinical Experience in Athletic Training III**—6 hours. Structured eight week full-time (minimum 300 hours) clinical experience in athletic training. Clinicals may be completed in either on-campus or off-campus rotations. Requires demonstration of mastery of advanced clinical skills and techniques in injury evaluation, modality application, post-surgical care, rehabilitation design, and other aspects of athletic training. Prerequisites: 355, 356, and approval of clinical experience by departmental committee.

*Change title, description, credit hours, and prerequisites to:*

**ATTR 455 Clinical V**—4 hours. Students will complete structured practical rotations and demonstrate selected athletic training skills acquisition. Prerequisite: successful completion of 356 or permission of instructor.

*Preferred effective term: Fall 2007*

**ATTR 456 Clinical Experience in Athletic Training IV**—6 hours. Structured (minimum 300 hours) clinical experience in athletic training. Clinicals may be completed in either on-campus or off-campus rotations. Requires demonstration of mastery of advanced clinical skills and techniques in rehabilitation design, sports nutrition, pharmacology, athletic training administration, and other aspects of athletic training. Prerequisites: 355, 356, 455, and approval of clinical experience by departmental committee.

*Change title, description, credit hours, and prerequisites to:*

**ATTR 456 Clinical VI**—4 hours. Students will complete structured practical rotations and demonstrate selected athletic training skills acquisition. Prerequisite: successful completion of 455 or permission of instructor.

*Preferred effective term: Fall 2007*

**ATTR 472 Therapeutic Modalities**—3 hours. An investigation of the theoretical and technological basis of sports injury and therapeutic modalities. Prerequisites: 273 and acceptance into the athletic training professional component through formal application.

*Change prerequisites to:*

**ATTR 472 Therapeutic Modalities**—3 hours. An investigation of the theoretical and technological basis of sports injury and therapeutic modalities. Prerequisites: Physical Education 220 and 220L; admittance into the professional component of the program through formal application or permission of instructor.

*Preferred effective term: Fall 2007*

**ATTR 473 Pathophysiology for Athletic Trainers**—3 hours. A course in basic pathophysiological process associated with athletic injuries and illnesses. Major areas of study include acute and chronic inflammation, tissue repair and remodeling, and common illnesses and congenital disorders including diabetes, asthma, and epilepsy. Prerequisite: Physical Education 220 or Life Sciences 241.

*Change title and prerequisites to:*

**ATTR 473 Pathophysiology**—3 hours. A course in basic pathophysiological process associated with athletic injuries and illnesses. Major areas of study include acute and chronic inflammation, tissue repair and remodeling, common illnesses and congenital disorders, including diabetes, asthma, and epilepsy. Prerequisite: Physical Education 220 and 220 L; admittance into the professional component of the program through formal application or permission of instructor.

*Preferred effective term: Fall 2007*

**ATTR 475 Therapeutic Exercise**—3 hours. A study of the physiology of trauma and the subsequent effects on tissues as a basis for rehabilitation. Techniques of therapeutic exercise, planning of rehabilitation programs, and manual muscle testing will be in the course content. Prerequisites: 472 and acceptance into the athletic training professional component through formal application.

*Change prerequisites to:*

**ATTR 475 Therapeutic Exercise**—3 hours. A study of the physiology of trauma and the subsequent effects on tissues as a basis for rehabilitation. Techniques of therapeutic exercise, planning of rehabilitation programs, and manual muscle testing will be in the course content. Prerequisites: 472; Physical Education 381; admittance into the professional component of the program through formal application or permission of instructor.

*Preferred effective term: Fall 2007*

## **COURSE REACTIVATION**

### **COLLEGE OF ARTS AND SCIENCES: Geography, Geology, and Anthropology**

**GEO 484 Geology of Petroleum and Coal**—3 hours. Studies of petroleum, coal, and uranium deposits. Composition, origin, occurrence, exploration methods, economics, and conservation. Prerequisite: advanced standing.

*Reactivate course and change prefix to:*

**GEOL 484 Geology of Petroleum and Coal**—3 hours. Studies of petroleum, coal, and uranium deposits. Composition, origin, occurrence, exploration methods, economics, and conservation. Prerequisite: advanced standing.

## **COURSE BANKING**

### **COLLEGE OF ARTS AND SCIENCES: Geography, Geology, and Anthropology**

**GEOL 351 Regional Geomorphology**—3 hours. Geomorphology of natural geomorphic (physiographic) provinces of the United States. Prerequisite: 170 or consent of instructor.



## PROGRAM REVISIONS

### COLLEGE OF ARTS AND SCIENCES: Chemistry

Chemistry Minor (23-24 semester hours) CIP Code 400501 Major Code 0421

#### **Brief Summary:**

Students seeking to complete the chemistry minor must currently take 23 semester hours of lecture and laboratory coursework, including 20 hours of a minor core curriculum in general, organic, and analytical chemistry and 3 hours of a chemistry elective. Students complete the 3 hour elective requirement by choosing a course from the range of 300- and 400-level courses offered by the Chemistry Department. The revised minor proposed here would instead require that chemistry minor complete, in addition to the 20 hours of the minor core, one elective from a list of three approved courses: CHEM 371 (environmental chemistry), CHEM 431 (biochemistry), CHEM 465 (physical chemistry). The revised minor requires 23-24 semester hours.

#### **Student Learning:**

A sizeable fraction of students who complete the chemistry minor do so, in part, to ensure that they are qualified to pursue some job opportunities in chemistry (principally as lab technicians) if they are unable to secure a position in their major field following graduation. The faculty of the Chemistry Department believe that these students (and, in fact, all minors in general) would be better served by completing elective coursework in CHEM 371, 431, or 465 that is central to the chemistry discipline rather than certain special topics courses (e.g. CHEM 440, CHEM 469) or courses that were never intended for chemistry majors or minors (e.g. CHEM 330).

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

*Chemistry Minor (23-24 semester hours)*

**Required Chemistry:** 105--3 hrs.; 105L--1 hr.; 106--3 hrs.; 106L--1 hr.; 321--4 hrs.; 351--3 hrs.; 351L--1 hr.; 352--3 hrs.; 352L--1 hr.

**Elective (one of the following):** 371--3hrs.; 431--3 hrs.; 465--4 hrs.

## **CORRECTIONS**

**The Registrar's Office has requested that the following courses have the letter removed after the course number, or the course number changed, to avoid confusion with topic courses. Other changes are reflected in bold and italics format. These courses were published as proposals in the January 8, 2007 edition of Academic Notes.**

# UNDERGRADUATE APPROVALS

## NEW COURSES

### COLLEGE OF ARTS AND SCIENCES: Art

**ARTD 323 Illustration for Layout--3 hours.** Approaches to illustration comping techniques for designers. Prerequisite: 220 or consent of instructor. Co-requisite: **321**.

*Preferred effective term: Fall 2007*

**ARTD 423 Advanced Applications in Graphic Design--3 hours.** Students work on client-oriented problem-solving/design applications with direction from instructor. (BS students may elect the option of completing their portfolio requirement as part of this course.) Prerequisites: 220, 321A, 321B, 322, 420 or consent of instructor. Co-requisite: **421**.

*Preferred effective term: Fall 2007*

**ARTD 490 Graphic Design Portfolio--3 hours.** Students finalize their portfolio for presentation, including for the senior exhibition. Resume and cover letter preparation, interview techniques and updates to computer applications. Should be taken during final semester.

*Preferred effective term: Fall 2007*

## COURSE REVISIONS

### COLLEGE OF ARTS AND SCIENCES: Art

**ARTD 321 Graphic Design II--3 hours.** Principles of multipage design on the computer, approaches to illustration, and preparation of finished art for printing. May be repeated once for credit. Prerequisite: 220 or consent of instructor.

*Change title, description, prerequisites and add co-requisite:*

**ARTD 321 Principles of Graphic Design--3 hours.** Advanced application of design principles, including logo design, organizational systems, and problem-solving. Continued use of computers for graphic design. Prerequisite: 220 or consent of instructor. Co-requisite: **323**.

*Preferred effective term: Fall 2007*

**ARTD 322 Graphic Design III--3 hours.** Experiences in graphic design and graphic processes. Prerequisites: 220 and 321, or consent of instructor.

*Change title, prerequisites, and add co-requisite:*

**ARTD 322 Layout Design--3 hours.** Experiences in graphic design and graphic processes. Prerequisites: 220, **321**, and **323** or consent of instructor. Co-requisite: 420.

*Preferred effective term: Fall 2007*

**ARTD 420 Graphic Design IV--3 hours.** Specialized problems in design and illustration on the computer. Prerequisites: 220 and 321; and 322 taken concurrently or before; or consent of instructor.



*Change title, description, and prerequisites to:*

**ARTD 420 Web Page Design--3 hours.** Special problems in web page design programs and applications. Emphasis on screen design, navigation and usability principles, options for advanced exploration in web applications and animation. Prerequisites: 220, **321**, **323** or consent of instructor. Should be taken concurrently with 322.

*Preferred effective term: Fall 2007*

**ARTD 421 Graphic Design V--3 hours.** Advanced problems in graphic design principles, computer graphic design, and reproduction processes. May be repeated once for credit. Prerequisites: 220, 321, 322, and 420 or consent of instructor.

*Change title, description, prerequisites, and add co-requisites to:*

**ARTD 421 Advanced Layout Design--3 hours.** Advanced problems in graphic design principles, computer graphic design, and reproduction processes. Prerequisites: 220, **321**, 322, **323**, 420 or consent of instructor. Co-requisite: 423.

*Preferred effective term: Fall 2007*

**ARTD 422 Special Problems in Graphic Design--1-6 hours.** Special supplementary problems to improve proficiency in graphic design and computer graphics. Prerequisite: 420 or consent of instructor.

*Change, title, credit hours, description, and delete prerequisites to:*

**ARTD 422 Marketing Graphics--3 hours.** Special supplementary problems to improve proficiency in graphic design and/or computer graphics design.

*Preferred effective term: Fall 2007*