Academic Notes

FEBRUARY 5, 2007 **AN 2006-2007**

SPECIAL NOTICES

RETIREMENT TEA

The annual Retirement Tea, honoring all university retirees, will be held Thursday, February 22, 2007, at 2:00 p.m., in the Heritage Lounge and Ballroom in Tirey Hall. All members of the campus community are encouraged to attend.

ACADEMIC NOTES PUBLICATION SCHEDULE FOR SPRING 2007

Below is the circulation schedule for the electronic copy of *Academic Notes* through May 7, 2007. **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
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

FACULTY GOVERNMENT

FACULT AFFAIRS COMMITTEE

The Faculty Affairs Committee will meet Thursday, February 8, 2007 at 3:30 p.m. in Root Hall, room 237-A.

Agenda

I. Approval of the minutes of January 25, 2007
II. Reports: Academic Affairs
    Executive Committee
    Chairperson
III. Open discussion
IV. Old business
    Reorganization of freshman advising

GRADUATE COUNCIL

Agenda

Meeting #14, 12:10-1:30 p.m., Monday, February 12, 2007, COE 11th Floor Conference Room #1 (The Large Conference Room).

1. Call to Order
2. Adoption of Agenda
3. Approve Minutes (distributed via email)
4. Unfinished/Ongoing Business
5. New Business
6. Reports
    a. Chairperson
    b. Faculty Senate Liaison
    c. Administrative
    d. Graduate Student Representative
    e. Other
7. Upcoming Items
8. Adjournment

CURRICULUM

INDEX

UNDERGRADUATE PROPOSALS

NEW COURSE

COLLEGE OF EDUCATION: Elementary, Early, and Special Education

ELED 140 Praxis Pre-Professional Skills Test Preparation—1 hour. The course reviews content for the reading, writing and math sections of the Praxis exam and assists in test preparation and test taking techniques.

Preferred effective term: Fall 2007

COURSE REVISIONS

COLLEGE OF HEALTH AND HUMAN PERFORMANCE: Recreation and Sport Management

RCSM 150 Philanthropy and Society—3 hours. This course explores the role, history, operation, impact and future of nonprofit and philanthropic organizations in the context of recreation, youth serving and human service agencies, and hybrid social purpose organizations, with a particular emphasis on the benefits, impacts, and outcomes upon society.

Change title to:

RCSM 150 Introduction to Nonprofit Management—3 hours. This course explores the role, history,

operation, impact and future of nonprofit and philanthropic organizations in the context of recreation, youth serving and human service agencies, and hybrid social purpose organizations, with a particular emphasis on the benefits, impacts, and outcomes upon society.
Preferred effective term: Fall 2007

UNDERGRADUATE APPROVALS

PROGRAM REVISIONS

COLLEGE OF ARTS AND SCIENCES: Art

Bachelor of Fine Arts Major (84 semester hours)
Bachelor of Science Studio Major (63 hours)

Brief Summary:

The current proposal is characterized by the movement from a dependency on discrete media to a dimensional basis, which will accommodate radical changes occurring in the fine arts.

- Add 2-D emphasis
- Add 3-D emphasis
- Revise Graphic Arts emphasis
- Delete media emphasis areas in sculpture, painting, drawing, printmaking, photography, ceramics

Student Learning:

The Department of Art is streamlining its offerings while making its program more cohesive and reflective of pedagogic changes in the field. The proposed changes in the two-dimensional art program are intended to provide greater curricular flexibility. With the exception of the courses in digital art, there is no implementation of new courses. The kinds of changes we have proposed are in the best interests of our students. However, to implement them requires taking several steps, incrementally not simultaneously.

The current proposal is characterized by the movement from a dependency on discrete media to a dimensional basis, which will accommodate radical changes occurring in the field, changes largely responding to the emergence of digital media arts. Digital arts is a hybrid. It is a valuable tool to both photography and graphic design and, at the same time, an area of exploration in its own right. If the Department is to provide its students with a solid grounding in art media that is commensurate with the twenty-first century, it is essential that digital art be included in the offerings provided by the Department. However, digital art transcends simply a mastery of the computer or the manipulation of pixels and images which characterizes the use of the computer in photography. The Department does not envision a full-scale digital media arts program as it recognizes that the College does not have the resources to devote to such an endeavor.

Proposed Catalog Copy:

CORE CURRICULUM (18 semester hours)

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 emphasis.
Required courses: Art Studio 101 3 hrs.; 102 3 hrs.; 104 3 hrs.; Art History 170 3 hrs.; 271 3 hrs.; 272 3 hrs. (Either 271 or 272 will also count for General Education credit under LAPS:E for studio and art education majors).

Bachelor of Fine Arts Major (84 semester hours)

The bachelor of fine arts degree is a performance-oriented degree in studio art designed to develop high levels of competency in one or more studio 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.

Base Requirements (30 hours): 18 hours of the core curriculum; Art History 371--3 hrs.; an additional 6 hours of art history; Art Professional Practice 499--3 hrs; and completion of an emphasis area requirements, listed below. Interdisciplinary study in studio art may also be earned under the direction of a faculty advisor by combining courses in different studio emphasis areas.

Assessment Information: Students in their last semester shall present a representative example of their work in an approved gallery setting. The work presented will be evaluated by the studio faculty of the students' area of emphasis and will be photographically documented.

2-Dimensional Arts Emphasis (54 hours)

Required: Art Studio 215—3 hrs.; 230—3 hrs.; 235—3 hrs.; 240—3 hrs.; 251- 3 hrs.; 400 (D, E or I)—3 hrs.; Art Professional Practice 496--3 hours.

Select 30 credit hours from among the following courses: Art Studio 316—3 hrs.; 317—3 hrs.; 331—3 hrs.; 336--3 hrs.; 341—3 hrs.; 351--3 hrs.; 415—3 hrs.; 430—3 hrs.; 435—3 hrs.; 440—3 hrs.; 443--3 hrs.; 451–3 hrs. (316, 331, 336, 341, 351, 415, 430, 435, 440, and 451 are repeatable. See course descriptions)

Select one from the following: Art Studio 210—3 hrs.; 245—3 hrs.; 255—3 hrs.

3-Dimensional Arts Emphasis (54 hours)

Required: Art Studio 210—3 hrs.; 215—3 hrs.; 316—3 hrs.; 245—3 hrs.; 255—3 hrs; 400 (A,F, or G)—3 hrs.

Select 30 credit hours from among the following courses: Art Studio 311—3 hrs.; 346—3 hrs.; 356—3 hrs.; 357—3 hrs.; 410—3 hrs.; 413—3 hrs.; 414—3 hrs.; 445—3 hrs.; 450—3 hrs.; 455—3 hrs.; 456—3 hrs.; 457—3 hrs.

Select two from the following: Art Studio 230—3 hrs.; 235—3 hrs.; 240—3 hrs.; 251—3 hrs.

Graphic Design Emphasis (54 hours)

Required: Art Studio 235--3 hrs.; 316--3 hrs.; Graphic Design 220--3 hrs.;321A--3 hrs.; 321B—3 hrs.; 322--3 hrs.; 400K—9 hrs.; 420--3 hrs.; 421A--3 hrs.; 421B—3 hrs.; 422A--3 hrs.; 422B—3 hrs.

Studio or approved electives: 12 credit hours.

Bachelor of Science Studio Major (63 semester hours)

The bachelor of science degree with a studio emphasis 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.

Requirements (30 hours): 18 hours of the core curriculum; Art History 371--3 hrs.; an additional 6 hours of art history; Art Professional Practice 499--3 hrs.; and completion of an emphasis area's requirements, listed below. Interdisciplinary study in studio art may also be earned under the direction of a faculty advisor by combining courses in different studio emphasis areas.

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

2-Dimensional Arts Emphasis (33 hours)

Required: Art Studio 215—3 hrs.; 230—3 hrs.; 235—3 hrs.; 240—3 hrs.; 251- 3 hrs.; 400 (D, E or I)—3 hrs.

Select 12 credit hours from among the following courses: Art Studio 316—3 hrs.; 317—3 hrs.; 331—3 hrs.; 336--3 hrs.; 341—3 hrs.; 351--3 hrs.; 415—3 hrs.; 430—3 hrs.; 435—3 hrs.; 440—3 hrs.; 443 -- 3 hrs.; 451 –3 hrs.

Select one from the following: Art Studio 210—3 hrs.; 245—3 hrs.; 255—3 hrs.

3-Dimensional Arts Emphasis (33 hours)

Required: Art Studio 210—3 hrs.; 215—3 hrs.; 245—3 hrs.; 255—3 hrs; 400 (A, F, or G)—3 hrs.

Select 15 credit hours from among the following courses: Art Studio 311—3 hrs.; 346—3 hrs.; 356—3 hrs.; 357—3 hrs.; 410—3 hrs.; 413—3 hrs.; 414—3 hrs.; 445—3 hrs.; 450—3 hrs.; 455—3 hrs.; 456—3 hrs.; 457—3 hrs.

Select one from the following: Art Studio 230—3 hrs.; 235—3 hrs.; 240—3 hrs.; 251—3 hrs.

Graphic Design Emphasis (33 hours)

Required: Art Studio 235--3 hrs.; 215—3 hrs.; 316--3 hrs.; Graphic Design 220--3 hrs.; 321A--3 hrs.; 321B—3 hrs.; 322--3 hrs.;; 420--3 hrs.; 421A--3 hrs.; 421B—3 hrs.; 422B—3 hrs.

COLLEGE OF ARTS AND SCIENCES: Physics

Physics Major (61-65 semester hours)

Brief Summary:

A. This is a modification of the professional, chemical, and computational physics tracks, reflecting changes of credit hours and prerequisites made to some courses.

?Professional Physics Track:
Change credit hours in Professional Physics from 61-62 to 64-65 due to the following changes:
Add 311--3 hrs. and 342--3 hrs. Delete 460--3 hrs.

?Computational Physics Track:
change from 60-61 to 61-62 due to an hour change for PHYS 356 from 2 to 3 hours

?Chemical Physics Track:
Change credit hours in Chemical Physics from 61-62 to 62-63 due to the following changes: Delete 356--3 hrs. Add 497--3 hrs. Add Mathematics 333--3 hrs. (in response to changes from Chemistry Department). Delete Chemistry 440--3 hrs. Add Chemistry 321--4 hrs. Change Chemistry 461L from 2 hrs. to 1 hr.

B. Computational Physics (PHYS 356) has been dropped from the requirements of all but the computational physics track. It was already changed to three credit hours, as it is (obviously) an important topic for this track. The track itself, however, was not revised to reflect this change of credit hours. It previously did not have any prerequisites associated with it, so we were not able to teach it at the proper level. The computational physics course was also previously required of the chemical physics track. Since we had to modify the track to reflect the change in credit hours and prerequisites, we revisited this issue, and after consulting with chemistry decided to replace it with quantum mechanics (PHYS 497). The addition of MATH 333 is required since it is a prerequisite of quantum mechanics. If we had kept PHYS 356 as a requirement, we would have to add CS 256 instead, as it is (now) a prerequisite of that course. With the addition of the MATH 333 prerequisite, we decided to drop CHEM 440 from the requirements.
Chemistry also submitted course changes which affect our chemical physics track. We had to adjust the hours of 461L from 2 to 1, and add CHEM 321 as a pre-requisite. They also suggested we drop CHEM 469, which has not been offered in several years. The net result is an increase of required credit hours by one.

As a separate issue, we decided that PHYS 311 (Analytical Mechanics II) and 342 (Electricity and Magnetism II) are too important for students attending graduate school to not be required of the professional physics track. The top two subjects on the Physics GRE (reflective of what graduate schools expect from undergraduate preparation) are classical mechanics (20%) and electromagnetism (18%). To make room for these courses, we are dropping the requirement of PHYS 460 (Optics), which has considerable overlap with the topics of PHYS 342. However, the requirement of PHYS 311 still increases the required credit hours by 3.

Also note an editorial change in the description of the computational physics track. We submitted the description as "…such as the DOE's massively parallel ASCI supercomputers…" Someone decided that DOE stood for Department of Education instead of Department of Energy. We are simply dropping that moniker from the description.

Student Learning:

Program Review revealed the need to align courses and regularize credit hours.

Proposed Catalog Copy:

Physics Major (61-65 semester hours)

Professional Physics Emphasis (64-65 semester hours)

This emphasis 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: 40 hour core curriculum.
Physics: 311--3 hours; 342--3 hours; 355--3 hrs.; 420--3 hrs.; 475--2-3 hrs.; 497--3 hrs.
Mathematics: 231--4 hrs.; 333--3 hrs.

Computational Physics Emphasis (61-62 semester hours)

Physicists often work on the forefront of computer technology and software development. The most advanced computers in the world, such as the massively parallel ASCI supercomputers, are being used to study problems in physics. This program is designed to address the high demand for computer specialists with a scientific background.

Required courses: 40 hour core curriculum.
Physics: 355--3 hrs.; 356--3 hrs.; 475--2-3 hrs.
Computer Science: 256--3 hrs.; 258--3 hrs.; 452--3 hrs.
Mathematics: 231--4 hrs.

Chemical Physics Emphasis (62-63 semester hours)

Chemical physics focuses on areas where the techniques of chemistry and physics are brought together for the study of toms 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: 40 hour core curriculum.
Physics: 475--2-3 hrs. or Chemistry 499--2-3 hrs.; 497--3 hours
Chemistry: 321--4 hrs; 461--4 hrs.; 461L--1 hr.; 462--4 hrs.; 462L--1 hr.
Mathematics: 333--3 hours.

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

Reading Minor (21 semester hours)

Brief Summary:

The Reading Minor in the Elementary, Special, and Early Childhood Education Department was last revised in 1983. Since that time, courses listed on the minor in Elementary Education (480-3hr, 491-3hr & 492-3 hr), as well as elective courses listed in CIMT (468-3hr, 485-3hr, 491-3hr), Communications, and English, have been discontinued. New courses that would fit the minor have been developed and added to the program (ELED 324-3hr). Additionally, the state of Indiana has mandated new guidelines for the Reading Teacher License based on International Reading Association (IRA) standards for performance. Consequently, for the reading minor to attract quality students, it must meet the new state guidelines.

Student Learning. How have the results of student outcomes assessment and program or accreditation review been used on the proposed change? How will this change increase student learning and program effectiveness?

Since the state of Indiana added the requirement that students achieve a passing score on the Reading Specialist Test to gain Elementary Education licensure, our students have been expected to achieve additional knowledge and demonstrate proficiency in the teaching of reading. Our students must also become highly qualified to meet federal mandates for No Child Left Behind.

Proposed Catalog Copy:

Reading Minor (21 semester hours)

The **Reading Minor for State Licensure** may be added to Elementary and Secondary Education programs to meet Indiana licensing guidelines.

Required courses: Elementary Education 324—3 hrs.; 397—3 hrs; 398—3 hrs; 485—3 hrs; Curriculum, Instruction, and Media Technology 368—3 hours; 3 hours in an approved literature course; and 3 hours in an approved linguistics course.

COLLEGE OF HEALTH AND HUMAN PERFORMANCE: Athletic Training

Athletic Training Major (88 semester hours)

Brief Summary:

The Athletic Training Department proposes several revisions to its entry-level (undergraduate) athletic training major. Unique features of the program revision include reorganizing the progression of major course requirements so that students are admitted into the professional component earlier, making our program considerably more transfer-friendly, and expanding the clinical education opportunities for our students.

The BS in Athletic Training program's catalog copy currently identifies that the major requires 76 credit hours. These 76 credit hours do not include the 14 credit hours of required general education courses. If we are consistent with the 2006-2007 CAPS Manual Guidelines for Undergraduate Curriculum Changes (Appendix IV, Item 5) then the current BS in Athletic Training major is actually 90 credit hours, not the catalog copy 76 credit hours. The proposed curricular revisions intend to require 88 (72 non-general education + 16 general education) credit hours. Therefore, a reduction of credit hours, by 2, is being proposed.

Student Learning:

Student outcomes assessment were reviewed by the department. In light of these data, we felt that most major courses and the professional component admission process could be advanced by one academic year. This will allow students the opportunity to become didactically and clinically competent earlier in their academic program. Our intention is to allow more time to master their knowledge and skill.

Proposed Catalog Copy:

Athletic Training Major (88 semester hours, including clinicals)

Required Core (34 hours): 110–3 hrs.; 212–3 hrs.; 212L–1 hr.; 225–3 hrs.; 280–3 hrs.; 363–3 hrs.; 365–3 hrs.; 425–3 hrs.; 435–3 hrs.; 472–3 hrs.; 473–3 hrs.; 475–3 hrs.

Required Support Courses (18 hours): Counseling 433–3 hrs.; Health and Safety 321–4 hrs.; 321L–1 hr.; 340–3 hrs.; Physical Education 381–4 hrs.; 385--3 hrs.

Clinical Experience (20 hours): Athletic Training 255 – 3 hrs.; 256 – 3 hrs.; 355 – 3 hrs.; 356 – 3 hrs.; 455 – 4 hrs.; 456 – 4 hrs.

Prerequisite General Education Courses (16 hours): 210 – 2 hrs.; 210L–1hr.; Chemistry 105–3 hrs.; 105L–1 hr.; Health and Safety 111–3 hrs.; Physical Education 220–2 hrs.; 220L--1 hr.; Psychology 101–3 hrs.

The number of students accepted into the professional component is limited. Matriculating students typically apply during the Spring semester of their freshmen year. Transfer students are encouraged to apply when they have completed or are enrolled in prerequisite course equivalents. Prerequisite courses include Athletic Training 110, 210, 210L, 212, 212L, 225, and 280. At the time of application students must submit, along with the application, evidence of job shadowing hours, current emergency cardiac care certification, physical, technical standards, and a copy of official transcripts. The following selection criteria and weightings will be used to rate and rank applicants: grade point average for all college or university course work (35%), reference evaluations (35%), responses to application questions (20%), and high school grade point average (10%). Formal acceptance into the professional component of the program requires a 3.0 cumulative grade point average and successful completion in prerequisite courses. Successful completion of a course requires a grade of C or better. Retention in the professional component is contingent on meeting academic standards. If a student fails to meet these academic standards probation and dismissal can result.

Tentative Course Schedule

Fall: Athletic Training 110, 210, 210L, 225, 255, 355, 363, 425, 440, 455, 473, 475, 499
Spring: Athletic Training 210, 210L, 212, 212L, 256, 280, 356, 365, 435 ,440, 456, 472, 499
Summer: Athletic Training 210, 210L, 440, 499

COLLEGE OF TECHNOLOGY: Industrial and Mechanical Technology

B.S. Mechanical Engineering Technology (84 semester hours)

Brief Summary:

- The name of IMT 130 will be changed from "Introduction to Industrial and Mechanical Technology" to "Introduction to Engineering and Technology" to reflect the fact that the Mechanical Technology/Mechanical Design Technology program has been changed into Mechanical Engineering Technology (BS) program since last year. The majority of students in this class are MET majors, and it is necessary to provide them with a basic introductory course on engineering/technology that explains engineering technology as a problem solving approach, a field for development and research, and a professional career of option.
- IMT 304 Engineering Analysis. A new course that introduces the analysis of engineering problems such as dynamics and thermodynamics using calculus based methods. The emphasis is given to the understanding of basic concepts, principles and applications of related analysis in engineering. Prerequisite: MATH 30l. This course will be an elective course for MET majors, but likely be changed into a required course later to meet the ABET standards.
- Change the requirement for MATH 122 to MATH 123. The reason is due to a change of MATH 122 from a 3 hour to a 4 hour course by the Math Department. At request of MET faculty, Math Department has agreed to develop a new 3 credit hours course, MATH 123, to satisfy MET's requirement.
- MCT 468 will be replaced by MCT 270 Introduction to Automated Systems. The reason for this change is mainly due to the fact that MCT 468 has not been offered for at least two years, and there is no clear prediction from the offering department when it will be offered again. It has also been discussed with the offering department and related faculty that MCT 270 also provides an adequate coverage on basic robotics and PLC as well as manufacturing automation. Therefore it is suggested to use it to replace MCT 468.

Student Learning:

The Mechanical Engineering Technology (MET) Program was proposed and approved last year at ISU, and it was the first engineering technology program established on the ISU campus. At the time of the proposal development, the information about certain curriculum elements was uncertain or not clear, e.g. how the IMT130 would be taught and by which department (it was by MCT department for several semesters), and the availability of MCT468 and MATH 122. Also a number of changes have occurred on campus since the time of proposal and approval. For instance, MATH 122 has become a 4 credit hours course, and the Math Department is proposing a new one, MATH 123 to satisfy our program needs. After discussing with MCT and ECT faculty, we realize that MCT 270 is an adequate course that we can use to replace MCT468, which has not been offered as a structured course for more than two years and it is still

unpredictable when it can be offered again. Most of the changes proposed in this document are to accommodate these changes, so that our program catalog description can be more accurate and reflective. As it was stated in the last year's
proposal, one of the goals for the MET program at ISU is to eventually pursue ABET accreditation when the program is developed into a matured stage. The program faculty plans to implement this
goal in a gradual manner through specific curriculum modification objectives. It is a long-term effort that cannot be done in one step. Given the current available resource, the program faculty has been developing some new courses to prepare the program curriculum to specifically address some of the ABET requirements. One is on engineering analysis IMT304. It is our hope that in three to fours years the program curriculum can be fully developed to meet accreditation requirements. (ABET requires that any new ET program must accumulate and report at least three years of data before it can be accredited).

Proposed Catalog Copy:

Mechanical Engineering Technology (84 semester hours)

Required courses:

Technical Courses: Industrial and Mechanical Technology 103--3 hrs.; 130--2 hrs.; 203--3 hrs.; 215--3 hrs.; 302--3 hrs.; 306--3 hrs.; 403--3 hrs.; 404--3 hrs.; 405--3 hrs.; 406--3 hrs.; 408--3 hrs.; 413--3 hrs.; 430--1 hr.

Manufacturing and Construction Technology: 270--3 hrs.; 370--3 hrs.; 371--3 hrs.

Electronics and Computer Technology: 160--3 hrs.

Mathematics and Computer Science: Mathematics 115--3 hrs.; 123--3 hrs.; 151--3 hrs.; 301--3 hrs.

Science: Physics105--3 hrs. and 105L--1 hr.; 106--3 hrs. and 106L--1 hr.; Chemistry 100--3 hrs. and 100L--1 hr.

Technical electives: 6 hours from Industrial and Mechanical Technology 301--3 hrs.; 407--3 hrs.; 409--3 hrs.; or 351--3 hrs.

Management electives: 6 hours from Manufacturing and Construction Technology 471--3 hrs.; 473--3 hrs.; 478--3 hrs.; Management 301--3 hrs.

*Includes 8 hours of liberal studies, plus a program-based substitution for Quantitative Literacy (QL) and Information Technology Literacy (ITL) requirements.

CORRECTIONS

The Department of Athletic Training has requested that the effective term for the following courses, published in Academic Notes as approvals on January 22, 2007, be changed to accommodate the transition of the Athletic Program. Corrections are noted in bold and italic.

HEALTH AND HUMAN PERFORMANCE: Athletic Training

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 2008***

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 2008***

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 2009***

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 2009***

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 2008***

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 2008***

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 2010***

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 2009***

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 2010***

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 2010***

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 2008***

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 2009***

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 2009***