



# Academic Notes

MARCH 14, 2005

AN 2004-2005

## **\*\*SPECIAL NOTICES\*\***

### **EXPLORE ISU!**

The ISU Office of Admissions is currently working to increase our early outreach efforts. April 4 through April 8 we will be hosting Explore ISU! We have invited middle school students to join us on campus for an engaged and experiential introduction to ISU. The students will be here in the morning for an opening session then will visit various academic departments. They will also have lunch in the cafeteria and take a tour of the residence halls. We are looking for interested faculty members to host a 30 minute session during their visits. We ask that academic departments incorporate not only their faculty, but also their current undergraduate and graduate students. This is a great opportunity for faculty to show off their area of expertise! Please join us in our increased efforts to introduce ISU to prospective students at an early age. For more information about participating in this exciting event, contact Kim LaComba x2509 or by e-mail at [admlacom@isugw.indstate.edu](mailto:admlacom@isugw.indstate.edu).

### **SUMMER HONORS PROGRAM**

Applications are now available for the Indiana State University Summer Honors Program an academic program for talented high school students. This year 19 seminars will be offered including Medicine, Law, Aerospace, Athletic Training, Mathematics/Computer Encryption and more! The program will take place July 10-22, 2005 for high school graduating classes of 2006, 2007, and 2008. If you or someone you know would like more information, please visit our website at [www.indstate.edu/experience](http://www.indstate.edu/experience) or call the Office of Admissions at 237-2121.

### **ACADEMIC NOTES PUBLICATION SCHEDULE FOR SPRING 2005**

Below is the circulation schedule for the hard copy of *Academic Notes* through May 2, 2005. An asterisk (\*) indicates a curricular issue. **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<sup>a</sup> 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.** An electronic version of *Academic Notes* is available using Acrobat Reader via the ISU Web Page at – <http://web.indstate.edu/acadnotes/> –.

### **ACADEMIC NOTES PUBLICATION SCHEDULE**

## **FOR SPRING 2005**

*ACADEMIC NOTES PUBLICATION SCHEDULE: Continued.*

<b><u>Deadline for Items</u></b>	<b><u>Issue Date</u></b>
March 16	March 21
March 23*	March 28*
March 30	April 4
April 6*	April 11*
April 13	April 18
April 20*	April 25*
April 27	May 2

# **FACULTY GOVERNMENT**

## **UNIVERSITY FACULTY SENATE REPORT FOR MARCH 8, 2005**

The Faculty Senate Executive Committee met Tuesday, March 8, 2005, in HMSU 227.

The meeting rapidly became the Open Discussion, addressing searches, budgets, and compensation in light of budget realities; study week; faculty satisfaction survey.

Committee Actions:

- approved minutes by acclamation;
- after discussion, approved as amended FAC 's handbook language for Special Purpose Faculty, 8-0-1;
- heard and discussed some standing committee reports.

## **INDIANA STATE UNIVERSITY FACULTY SENATE**

The University Faculty Senate will meet at 3:15 p.m. on Thursday, March 17, 2005, in Dede III.

### *Agenda*

- I. Memorial: Ray S. Baggett
- II. Administrative Report
- III. Chair Report
- IV. SGA Report
- V. Fifteen Minute Open Discussion
- VI. Approval of the Minutes
- VII. Handbook Language: Special Purpose Faculty
- VIII. Old Business
- IX. New Business

## X. Standing Committee Reports

*FACULTY GOVERNMENT: Continued.*

### **INDIANA STATE UNIVERSITY FACULTY SENATE EXECUTIVE COMMITTEE**

The Executive Committee of the University Faculty Senate will meet at 3:15 p.m. on Tuesday, March 15, 2005, in Hulman Memorial Student Union 227.

#### Agenda

- I. Administrative Report
- II. Chair Report
- III. Fifteen Minute Open Discussion
- IV. Approval of the Minutes
- V. Old Business
- VI. New Business
- VII. Standing Committee Reports

### **STUDENT AFFAIRS COMMITTEE**

The Student Affairs Committee will meet Tuesday, March 15, 2005 at 8:30 a.m. in the Library, Room 028 [Lower Level] [Chair, Marsha Miller, Library; [marshamiller@indstate.edu](mailto:marshamiller@indstate.edu)]. Meeting schedule: April 19.

#### AGENDA

- I. Call to Order
- II. Adoption of the Agenda
- III. Approval of the Minutes of February 15, 2005
- IV. Reports
  - a. Chairperson
  - b. Faculty Senate Liaison
  - c. Administrative Representatives
  - d. Student Representative
- V. Old Business
  - a. Faculty Scholarship: recipient recommendations from sub-committee [vote]
  - b. Laptop Initiative: report from Jim Buffington, serving on the implementation committee
  - c. Retention Issues [discussion]
- VI. New Business

# THESES, DISSERTATIONS, & RESEARCH PROJECTS

## COLLEGE OF ARTS AND SCIENCES: English

Darla Beasley will defend her thesis, entitled *The Voice of the Artist: Lesson in Life and Narration*, at 2:00 p.m. on Tuesday, March 29, 2005 in Root Hall, Room A-237. The members of her committee are Dr. Matthew Brennan, chairperson, Dr. Peter Carino, and Dr. Charles Nicol.

Nelson Bogren will defend his thesis, entitled *The House at the Edge of the World*, at 1:15 p.m. on Wednesday, March 16, 2005 in Root Hall, Room A-237. The members of his committee are Dr. Matthew Brennan, chairperson, Dr. Peter Carino, and Dr. Doug Martin.

## COLLEGE OF HEALTH AND HUMAN PERFORMANCE: Recreation and Sport Management

Chung mi Lee will defend her thesis, entitled *The Identification On Benefit Needs Of Public Golf Course Consumers: Building Foundations For Benefit Segmentation*, at 9:00 a.m. on Wednesday, March 16, 2005 in the College of Health and Human Performance, Room B-66 (Health Conference Room). The members of her committee are Dr. Daniel D. McLean, chairperson, Dr. Kimberly J. Bodey, and Dr. Ethan Strigas.

Seungbum Lee will defend his thesis, entitled *Sport Fan Loyalty As Perceived By A-League Soccer Fans In St. Paul, Minnesota*, at 1:00 p.m. on Wednesday, March 16, 2005 in the College of Health and Human Performance, Room 32 (Dean's Conference Room). The members of his committee are Dr. Daniel D. McLean, chairperson, Dr. Kimberly J. Bodey, and Dr. Ethan Strigas.

## COLLEGE OF EDUCATION: Curriculum, Instruction, and Media Technology

Jui-Feng Ho will defend his dissertation, entitled *Distance Education Development Based on E-Commerce Strategies*, at 11:00 a.m. on Friday, March 18, 2005 in the College of Education, 11<sup>th</sup> floor Conference Room 2. The members of his committee are Dr. Susan M. Powers, chairperson, Dr. David Hofmeister, and Dr. Melissa Nail.

## COLLEGE OF EDUCATION: Counseling

Michael D. Adams will defend his dissertation, entitled *To Be Good or Not to Be Good: The Need for Moral Virtues in Psychology*, at 10:00 a.m. on Thursday, March 17, 2005 in the College of Education, Room 1504. The members of his committee are Dr. J. Laurence Passmore, Dr. Matthew Draper, and Dr. Linda Sperry.

## COLLEGE OF EDUCATION: Educational Administration, Leadership, and Foundations

Debbie Halik will defend her dissertation, entitled *Indicators of Quality in Internet-based Distance Education: An Empirical Investigation of Faculty Perceptions at Two-year Colleges*, at 10:00 a.m. on Monday, March 14, 2005 in the College of Education, 11<sup>th</sup> floor large conference room. The

members of her committee are Dr. Joshua Powers, chairperson, Dr. Steve Gruenert, and Dr. Dee Rogers Haklin.

Kenneth Janz will defend his dissertation, entitled *Leadership Orientation and Effectiveness of Chief Information Officers in Higher Education*, at 6:00 p.m., on Thursday March 24, 2005 in the College of Education, Room 1214. The members of his committee are Dr. Josh Powers, chairperson, Dr. Joseph Harder, and Dr. Jack Maynard.

**COLLEGE OF EDUCATION: Educational and School Psychology**

Richard E. Hamann will defend his dissertation, entitled *The Relationship Between School Attendance, Grade Point Average, Resident Years In The United States, and State Standards Testing For High School English Language Learners*, at 9:00 a.m., on Wednesday, March 16, 2005 in the College of Education. The members of his committee are Dr. Lisa G. Bischoff, chairperson, Dr. James Campbell and Andrea Canter.

# CURRICULUM

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## PROGRAM ARTICULATION AGREEMENTS

Program articulations agreements between Indiana State University and our two-year partner institutions allow students to complete a specific associate degree program at another institution and receive credit toward a specific bachelor's degree program at Indiana State University. Each agreement details the transfer courses accepted for credit at ISU, the courses needed to complete the bachelor's degree, and any other requirements or guidelines that apply. The following agreements have recently been approved:

Ivy Tech State College

AS in any technology related field to BS in Industrial Supervision

Final 3/6/2005

AAS in any technology related field to BS in Industrial Supervision

Final 3/6/2005

Associate of Fine Art to BA in Art History

Final 3/6/2005

Associate of Fine Art to BS in Art Education

Final 3/6/2005

Associate of Fine Art to BS in Studio

Final 3/6/2005

Associate of Fine Art to Bachelor of Fine Arts

Final 3/6/2005

# UNDERGRADUATE PROPOSALS

## PROGRAM REVISIONS

### COLLEGE OF ARTS AND SCIENCES

### PHYSICS

### B.A./B.S. PHYSICS CORE CURRICULUM

#### **Executive Summary:**

We are proposing to create a new continuation course, with a laboratory component, to establish a regular sophomore sequence for physics majors (see proposals for PHYS 216 Modern Physics II (3 credits) and PHYS 216L Modern Physics II Laboratory). These 4 credits will be required for the physics major and minor as part of the core curriculum. The total required credit hours will be kept constant by removing the continuation courses PHYS 311 Analytical Mechanics II and PHYS 342 Electricity & Magnetism II, which are two credit hours each, from the major requirements. PHYS 311 and 356, both two credit hours, will be removed from the minor requirements. These courses will become Electives.

#### **Rationale:**

Currently, there is only one sophomore level class for physics majors (Modern Physics). As a consequence, majors enter junior levels early and without adequate preparation. The creation of Modern Physics II will improve coverage at the freshman/sophomore level and give students the required background before entering junior level courses. This should improve coverage in the first semester junior level courses, making the continuation courses optional. Note that the proposal includes re-numbering Modern Physics from 396 to 215. Changes are indicated for convenience. The proposal calls for the revision of the Physics core curriculum only. There are no changes to the emphases as they currently exist. Please note that although these curricular paths are described as major and minor, they are in fact principal and supporting areas for an interdisciplinary major in science education, which has no minor. The principal and supporting areas guarantee the integrity of the content area for teacher licensure. A proposal to change the name of the science content areas is pending. The increase in hours for the supporting area is in keeping with the requirement to assess standards for teacher licensure in the case of students adding content areas to existing licenses.

*Current Catalog Copy:*

### TEACHING CURRICULA

#### **Physics Major (41 semester hours)**

**Required Physics:** 205--4 hrs.; 205L--1 hr.; 206--4 hrs.; 206L--1 hr.; 310-3 hrs.; 311--2 hrs.; 341--3 hrs.; 396--3 hrs.; 396L--1 hr.; 460--3 hrs.

**Physics electives:** 2 hours

**Prerequisites (8 hours):** Mathematics 131--4 hrs.; 132--4 hrs.; one year of Chemistry is strongly



recommended (Chemistry 105-3 hrs.; 105L--1 hr.; 106-3 hrs.; 106L--1 hr.)

**Required Professional Courses in the College of Arts and Sciences (5 hours):** Science Education 396L--2 hrs.; 398L--2 hrs.; 402--1 hr.

**Required Professional Courses in the College of Education (27 hours):** See the Department of *UNDERGRADUATE PROPOSALS: B.A./B.S. Physics Core Curriculum – continued.*

Curriculum, Instruction, and Media Technology section of this *Catalog*.

### **Physics Minor (20 semester hours)**

**Required Physics:** 205-4 hrs.; 205L--1 hr.; 206-4 hrs.; 206L--1 hr.; 310-3 hrs.; 341--3 hrs.; 396-3 hrs.; 396L-1 hr.;

**Prerequisites (8 hours):** Mathematics 131--4 hrs.; 132--4 hrs.; one year of Chemistry is strongly recommended (Chemistry 105--3 hrs.; 105L-1 hr.; 106--3 hrs.; 106L-1 hr.)

**Required Professional Courses:** met by the major teaching area requirements.

*Proposed Catalog Copy:*

### **Physics Teaching Major (40 semester hours)**

**Required Physics courses (24 hours):** 205--4 hrs.; 205L-1 hr.; 206--4 hrs.; 206L-1 hr.; 215--3 hrs.; 215L-1 hr.; 216--3 hrs.; 216L-1 hr.; 310-3 hrs.; 341--3 hrs.

**Physics electives:** 3 hours

**Prerequisites (8 hours):** Mathematics: 131--4 hrs.; 132--4 hrs.; one year of Chemistry is strongly recommended (Chemistry 105--3 hrs.; 105L-1 hr.; 106--3 hrs.; 106L--1 hr.)

**Required Professional Courses in the College of Arts and Sciences (5 hours):** Science Education 396L--2 hrs.; 398L-2 hrs.; 402--1 hr.

**Required Professional Courses in the College of Education (27 hours):** See the Department of Curriculum, Instruction, and Media Technology section of this *Catalog*.

### **Physics Teaching Minor (32 semester hours)**

**Required Physics:** 205--4 hrs.; 205L--1 hr.; 206-4 hrs.; 206L--1 hr.; 215--3 hrs.; 215L--1 hr.; 216--3 hrs.; 216L--1 hr.; 310-3 hrs.; 341--3 hrs.

**Required Mathematics:** 131--4 hrs.; 132-4 hrs.

**Required Professional Courses:** met by the major teaching area requirements.

*Preferred Effective Term: Fall 2005*

## **COLLEGE OF ARTS AND SCIENCES SCIENCE EDUCATION B.A./B.S. PHYSICS TEACHING MAJOR AND MINOR**

### **Executive Summary:**

We are proposing to create a new continuation course, with a laboratory component, to establish a regular sophomore sequence for physics majors (see proposals for PHYS 216 Modern Physics II (3 credits) and PHYS 216L Modern Physics II Laboratory). These 4 credits will be required for the physics

major and minor as part of the core curriculum. The total required credit hours will be kept constant by removing the continuation courses PHYS 311 Analytical Mechanics II and PHYS 342 Electricity & Magnetism II, which are two credit hours each, from the major requirements. PHYS 311 and 356, both two credit hours, will be removed from the minor requirements. These courses will become electives.

*UNDERGRADUATE PROPOSALS: B.A./B.S. Physics Teaching – continued.*

### **Rationale:**

Currently, there is only one sophomore level class for physics majors (Modern Physics). As a consequence, majors enter junior levels early and without adequate preparation. The creation of Modern Physics II will improve coverage at the freshman / sophomore level and give students the required background before entering junior level courses. This should improve coverage in the first semester junior level courses, making the continuation courses optional. Note that the proposal includes re-numbering Modern Physics from 396 to 215. Changes are indicated for convenience. The proposal calls for the revision of the Physics core curriculum only. There are no changes to the emphases as they currently exist.

Please note that although these curricular paths are described as major and minor, they are in fact principal and supporting areas for an interdisciplinary major in science education, which has no minor. The principal and supporting areas guarantee the integrity of the content area for teacher licensure. A proposal to change the name of the science content areas is pending. The increase in hours for the supporting area is in keeping with the requirement to assess standards for teacher licensure in the case of students adding content areas to existing licenses.

*Current Catalog Copy:*

## **TEACHING CURRICULA**

### **Physics Major (41 semester hours)**

**Required Physics:** 205--4 hrs.; 205L--1 hr.; 206--4 hrs.; 206L--1 hr.; 310--3 hrs.; 311--2 hrs.; 341--3 hrs.; 396--3 hrs.; 396L--1 hr.; 460--3 hrs.

**Physics electives:** 2 hours

**Prerequisites (8 hours):** Mathematics 131--4 hrs.; 132--4 hrs.; one year of Chemistry is strongly recommended (Chemistry 105--3 hrs.; 105L--1 hr.; 106--3 hrs.; 106L--1 hr.)

**Required Professional Courses in the College of Arts and Sciences (5 hours):** Science Education 396L--2 hrs.; 398L--2 hrs.; 402--1 hr.

**Required Professional Courses in the College of Education (27 hours):** See the Department of Curriculum, Instruction, and Media Technology section of this Catalog.

### **Physics Minor (20 semester hours)**

**Required Physics:** 205--4 hrs.; 205L--1 hr.; 206--4 hrs.; 206L--1 hr.; 310--3 hrs.; 341--3 hrs.; 396--3 hrs.; 396L--1 hr.;

**Prerequisites (8 hours):** Mathematics 131--4 hrs.; 132--4 hrs.; one year of Chemistry is strongly recommended (Chemistry 105--3 hrs.; 105L--1 hr.; 106--3 hrs.; 106L--1 hr.)

**Required Professional Courses:** met by the major teaching area requirements.

*Proposed Catalog Copy:*

**Physics Teaching Major (40 semester hours)**

**Required Physics courses (24 hours):** 205--4 hrs.; 205L--1 hr.; 206--4 hrs.; 206L--1 hr.; 215--3 hrs.; 215L--1 hr.; 216--3 hrs.; 216L--1 hr.; 310--3 hrs.; 341--3 hrs.

**Physics electives:** 3 hours

*UNDERGRADUATE PROPOSALS: B.A./B.S. Physics Core Curriculum – continued.*

**Prerequisites (8 hours): Mathematics:** 131--4 hrs.; 132--4 hrs.; one year of Chemistry is strongly recommended (Chemistry 105--3 hrs.; 105L--1 hr.; 106--3 hrs.; 106L--1 hr.)

**Required Professional Courses in the College of Arts and Sciences (5 hours):** Science Education 396L--2 hrs.; 398L--2 hrs.; 402--1 hr.

**Required Professional Courses in the College of Education (27 hours):** See the Department of Curriculum, Instruction, and Media Technology section of this Catalog.

**Physics Teaching Minor (32 semester hours)**

**Required Physics:** 205--4 hrs.; 205L--1 hr.; 206--4 hrs.; 206L--1 hr.; 215--3 hrs.; 215L--1 hr.; 216--3 hrs.; 216L--1 hr.; 310--3 hrs.; 341--3 hrs.

**Required Mathematics:** 131--4 hrs.; 132--4 hrs.

**Required Professional Courses:** met by the major teaching area requirements.

*Preferred Effective Term: Fall 2005*

**PROGRAM SUSPENSIONS**

**COLLEGE HEALTH AND HUMAN PERFORMANCE**

**PHYSICAL EDUCATION**

**EARLY CHILDHOOD, KINDERGARTEN-PRIMARY, AND ELEMENTARY  
EDUCATION MINOR – MAJOR CODE A528**

**Summary and Rationale:**

The state of Indiana's Department of Education will no longer acknowledge minors with teaching licensures as of June, 2006. We need to suspend the PE Early Childhood, Kindergarten-Primary, and Elementary Education Minor and remove it from the undergraduate catalog so that our licensure language is current. This minor is being temporarily suspended pending revision to meet Indiana teaching licensure standards.

*Proposed Catalog Copy:*

None.

*Preferred Effective Term: Fall 2005*

**COLLEGE HEALTH AND HUMAN PERFORMANCE**

**PHYSICAL EDUCATION**

**SECONDARY EDUCATION MINOR – MAJOR CODE A548**

The state of Indiana's Department of Education will no longer acknowledge minors with teaching licensures as of June, 2006. We need to suspend the PE Secondary Education Minor and remove it from the undergraduate catalog so that our licensure language is current. This minor is being temporarily suspended pending revision to meet Indiana teaching licensure standards.

*UNDERGRADUATE PROPOSALS: P.E. Secondary Education Minor – continued.*

*Proposed Catalog Copy:*

None.

*Preferred Effective Term: Fall 2005*

## **GRADUATE PROPOSALS**

### **PROGRAM REVISIONS**

#### **COLLEGE OF EDUCATION EDUCATIONAL LEADERSHIP, ADMINISTRATION, AND FOUNDATIONS M.Ed. AND NON DEGREE – SCHOOL ADMINISTRATION AND SUPERVISION**

##### **Summary and Rationale:**

The purpose of the proposed revision is to provide students with an option for fulfilling their educational foundations requirement. The old condition required that students must complete ELAF 605-Philosophy of Education. Current staffing situations does not allow this course to be offered on a regular basis and each exception must be manually waived. Other courses, i.e. ELAF 607- History of Education, and ELAF 608- School and Society are often better suited to students' programs and educational needs. By giving students an option, advisors and students will be in a better position to select the course the helps students fulfill required outcomes and standards of leadership where most appropriate.

*Proposed Catalog Copy:*

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##### **Post-Master's, Non-Degree License Program School Administration and Supervision**

Students who have completed a master's degree with a minimum graduate grade point average of 3.25, hold at least a Standard Instructional License or a Proficient Practitioner License, and have no less than two years of teaching experience may become eligible for the initial Building-Level Administrator License by completing the program outlined below.

## **Initial License-School Administration and Supervision (39 semester hours minimum)**

**The student must complete, either as part of the master's degree or as a part of the Post Master's, Non-Degree License Program, the following courses:** Educational Leadership, Administration, and Foundations 605, 607, or 608--3 hrs; 650--3 hrs.; 655--3 hrs.; 656--3 hrs.; 681--3 hrs.; 683--3 hrs; 758\*--6 hrs., and 793\*--6 hrs.; Curriculum, Instruction, and Media Technology 610, Educational Psychology 620, or Counseling 620-3 hrs. or an approved research methods course; Educational Psychology 621-3 hrs. or an approved educational psychology course; Elementary *GRADUATE PROPOSALS: School Administration and Supervision – continued.*

Education 660 or Curriculum, Instruction, and Media Technology 660-3 hrs. \*Educational Leadership, Administration, and Foundations 758 and 793 comprise the internship/seminar component of the program and must be taken concurrently.

A minimum of 39 semester hours of graduate study is required.

At least 15 hours must be taken from Indiana State University after admission to the program.

AND

## **Master of Education-School Administration and Supervision (39 semester hours)**

The M.Ed.-school administration and supervision fulfills, in part, the requirements for the Building-Level Administration License prescribed by the Indiana Professional Standards Board. In order to qualify for the Building-Level Administration License, the student must complete the M.Ed.-school administration and supervision, must hold an Indiana teaching license, must present evidence of at least two years of teaching experience, and must pass the state licensure examination. A person who has completed a master's degree leading to other teaching licenses may qualify for the Building-Level Administration License by completing the Post-Master's, Non-Degree License Program for School Administration

(See below).

### **Degree Requirements**

**Required Courses:** Educational Leadership, Administration, and Foundations 605.607. or 608 -3 hrs.; 650-3 hrs.; 655-3 hrs.; 656-3 hrs.; 681-3 hrs.; 683--3 hrs.; 758-6 hrs.; 793-6 hrs.; Curriculum, Instruction, and Media Technology 610, Counseling 620, or Educational Psychology 620-3 hrs.; Educational Psychology 621-3 hrs.; Elementary Education 660 or Curriculum, Instruction, and Media Technology 660-3 hrs.

**Culminating Experience:** Students develop a portfolio that documents and reflects upon their experiences during the two-semester internship. The portfolio must demonstrate their mastery of the knowledge, skills, and dispositions required for an effective school administrator as expressed in the Interstate School Leaders Licensure Consortium of the Council of Chief State School Officers (ISLLC) Standards. The portfolio is submitted at the conclusion of the internship for review by their campus supervisor and on-site mentor.

*Preferred Effective Term: Fall 2005*

## **COLLEGE OF EDUCATION**

## **EDUCATIONAL LEADERSHIP, ADMINISTRATION, AND FOUNDATIONS Ed.S. AND NON DEGREE – SCHOOL ADMINISTRATION AND SUPERVISION**

### **Summary and Rationale:**

The purpose of the proposed revision is to provide students with options for fulfilling the testing admission requirements other than the GRE. The old condition required that students must take the GRE or substitute three years of successful administrative experience. The proposed revision would

*GRADUATE PROPOSALS: School Administration and Supervision – continued.*

retain the GRE and experience requirement, but add the GMAT and Miller Analogies as other testing options. Additionally, currency (i.e., within the last 5 years) would be a test submission criterion for the GRE, GMAT, and Miller Analogies unless original scores were previously submitted and on file at ISU. The department faculty believes that assessments other than the GRE (i.e., GMAT and Miller Analogies) would be sound predictors of success for students in the Ed.S. program. Students have often taken assessments other than the GRE based on program and educational needs. By giving students an option, advisors and students will be in a better position to review the potential for program success in terms of required outcomes and standards of leadership. Finally, the old condition required a minimum GRE score of 450. Department faculty believe the minimum standard serves no useful purpose since the scores are reviewed in conjunction with all other admission criteria and desire to not require any minimum score.

*Proposed Catalog Copy:*

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### **Ed.S. Degree in School Administration (62 semester hours minimum)**

The Educational Specialist degree (Ed.S.) is regarded as an intermediate practitioner's degree and as such, is a continuation of work completed in pursuit of the M.Ed. The degree may serve as an avenue to professionalize the Elementary or Secondary School Administration License and/or it may qualify the student for the Indiana Standard Superintendent's License and/or leadership positions in education. A student admitted to a program leading to this degree must write an advanced thesis or otherwise demonstrate the competency to carry on individual research. The objective of the degree is to develop those skills and competencies which will make the student a more effective teacher, administrator, or professional service leader in school situations.

### **Admission Requirements**

Students seeking admission must meet all requirements for admission to the School of Graduate Studies plus the following:

1. Hold a master's degree from an accredited college or university.
2. Have graduate work and experience commensurate with the student's objectives as evaluated by a committee appointed by the Associate Dean of the College of Education.
3. Have an undergraduate grade point average of 2.5 or above.
4. Have a graduate grade point average of 3.25 or above with no deficiencies in the area chosen for

advanced graduate study.

5. Complete the General Tests of the Graduate Record Examinations,\* Graduate Management Admission Test\* (See GRE or GMAT section of this catalog concerning admission.) or Miller Analogies.\* NOTE: Students may substitute three years of successful experience as a school administrator for the Graduate Record Examinations, Graduate Management, or Miller Analogies score requirement for admission. \*Tests must have been taken within the last five years unless original scores were submitted and are on file at ISU.

6. Submit five letters of recommendation supporting the applicant's admission to the Educational Specialist degree program.

7. Hold or be eligible for the Standard License for either Elementary School Administration and *GRADUATE PROPOSALS: School Administration and Supervision – continued.*

Supervision or Secondary School Administration and Supervision.

Students with strong credentials generally may be considered for admission even if one of #3, 4, or 5 is slightly below the standard. Admission requires the approval of the admissions committee, the departmental chairperson, and the dean of the School of Graduate Studies.

*Progress Toward the Degree*

*Preferred Effective Term: Fall 2005*

**COLLEGE OF EDUCATION  
EDUCATIONAL LEADERSHIP, ADMINISTRATION, AND FOUNDATIONS  
Ed.S. AND NON DEGREE – SCHOOL ADMINISTRATION AND SUPERVISION**

**Summary and Rationale:**

The purpose of the proposed revision is to reduce the letters of recommendation from five to three to fulfill, in part, admission requirements for the Ed.S. Department faculty believe three letters sufficiently meets the intent of recommendation letters. Advisors believe they can review the potential for program success with only three letters of recommendation, negating the need for five.

*Proposed Catalog Copy:*

c.

**Admission Requirements**

Students seeking admission must meet all requirements for admission to the School of Graduate Studies plus the following:

1. Hold a master's degree from an accredited college or university .
2. Have graduate work and experience commensurate with the student's objectives as evaluated by a committee appointed by the Associate Dean of the College of Education.
3. Have an undergraduate grade point average of 2.5 or above.
4. Have a graduate grade point average of 3.25 or above with no deficiencies in the area chosen for advanced graduate study.
5. Attain a minimum score of 450 on each section of the General Tests of the Graduate Record Examinations. (See GRE or GMAT section of this Catalog concerning admission.) NOTE: Students may substitute three years of successful experience as a school administrator for the Graduate Record Examinations score requirement for admission.

6. Submit three letters of recommendation supporting the applicant's admission to the Educational Specialist degree program.
7. Hold or be eligible for the Standard License for either Elementary School Administration and Supervision or Secondary School Administration and Supervision. Students with strong credentials generally may be considered for admission even if one of #3, 4, or 5 is slightly below the standard. Admission requires the approval of the admissions committee, the departmental chairperson, and the dean of the School of Graduate Studies.

*Preferred Effective Term: Fall 2005*

*GRADUATE PROPOSALS: continued.*

## **PROGRAM SUSPENSION**

### **COLLEGE OF ARTS AND SCIENCES**

### **GEOGRAPHY, GEOLOGY, AND ANTHROPOLOGY**

### **M.A. GEOGRAPHY FOR TEACHING LICENSURE – MAJOR CODE: MA2182**

#### **Summary:**

The faculty members of the Geography, Geology and Anthropology Department have agreed to bank the MA Geography for Teaching Licensure.

*Current Catalog Copy:*

#### **Master of Arts in Geography (For Teacher Certification--32 semester hours minimum)**

This program is designed for individuals who have completed a teacher preparation program under Rules 46-47; it does not lead to an initial teaching license. Students seeking to professionalize an Indiana Standard Teaching License (Rules 46-47) must complete all requirements and submit the application for licensure to the Indiana Professional Standards Board no later than June 30, 2006.

**Research:** Geography 699—6 hrs.

**Major:** Geography 512—3 hrs.; 610—3 hrs.; 611—3 hrs.; and 612—2 hrs.

**Other Requirements:** 3 hours from Social Science Education 606 or Curriculum, Instruction, and Media Technology 660 or 662; 3 hours from Educational Foundations 605, 607, 608, or a departmental course approved by the Teacher Education Committee; 3 hours from Educational Psychology 521, 522, 625, Curriculum, Instruction, and Media Technology 611, or a departmental course approved by the Teacher Education Committee; and 3 hours of departmentally approved statistics (or proficiency).

**Electives:** 3-6 approved hours.

**Culminating Experience:** Successful defense of thesis or other research project. The specific program leading to the degree will be proposed for the candidate by his or her advisor in conference with the Geography Graduate Committee during the first semester of course work. Note: Rules 2002 licensure regulations are not presented in this Catalog because applicable regulations regarding teaching, administration, and school services licenses are in transition. Interested individuals are encouraged to consult



with Education Student Services, College of Education at (812) 237-3131.

*Proposed Catalog Copy:*

None.

*Preferred Effective Term: Fall 2005*

## UNDERGRADUATE APPROVALS

### NEW COURSE

**COLLEGE OF ARTS AND SCIENCES: Physics**

**PHYS 216L Modern Physics II Laboratory**--1 hour. Laboratory experiences build on those in 215L and explore the topics discussed in Physics 216. Corequisite: Physics 216.

*Preferred Effective Term: Fall 2005*

### COURSE REVISIONS

**COLLEGE OF ARTS AND SCIENCES: Physics**

**PHYS 396 Modern Physics**--3 hours. The origin and consequences of the special theory of relativity and quantum mechanics are discussed as the basis for the major developments in physics during the twentieth century. Prerequisite: 310.

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

**PHYS 215 Modern Physics I**--3 hours. An introduction to twentieth century physics, including the special theory of relativity, quantum mechanics, and atomic physics. Prerequisite: Physics 206.

*Preferred Effective Term: Fall 2005*

**PHYS 396L Modern Physics Laboratory**--1 hour. Selected experiments in various branches of modern physics: relativity, nuclear physics, solid state physics, and optics. The emphasis is on illustrating some of the important basic concepts of modern physics. Prerequisite: successful completion of or concurrent enrollment in 396.

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

**PHYS 215L Modern Physics I Laboratory**--1 hour. In this course students will conduct laboratory investigations in relativity, atomic physics, nuclear physics, solid state physics, and optics. Corequisite: Physics 215.

*Preferred Effective Term: Fall 2005*

## COLLEGE OF BUSINESS: Accounting

**ACCT 301 Financial Accounting I**--3 hours. A study of the theoretical framework for accounting principles and procedures, the application of GAAP, and accounting for current assets and revenue recognition. Prerequisite: Business 202 with a C grade or better or consent of Department Chairperson.

*Change description to:*

**ACCT 301 Financial Accounting I**--3 hours. A study of the theoretical framework for accounting principles and procedures, the application of GAAP, and accounting for current assets, fixed assets, and revenue recognition. Prerequisite: Business 202 with a C grade or better or consent of Department Chairperson.

*Preferred Effective Term: Fall 2005*

*UNDERGRADUATE APPROVALS: Course Revisions – continued.*

**ACCT 302 Financial Accounting II**--3 hours. A continuation of accounting principles and theory with emphasis on accounting for: investments, fixed assets, intangible assets, current and long-term liabilities, stockholder's equity, the statement of cash flows, and earnings per share. Prerequisite: 301 with a C grade or better or consent of Department Chairperson.

*Change description to:*

**ACCT 302 Financial Accounting II**--3 hours. A continuation of accounting principles and theory with emphasis on accounting for: intangible assets, liabilities, stockholder's equity, investments, income taxes, compensation, leases, and derivatives. Prerequisite: 301 with a C grade or better or consent of Department Chairperson.

*Preferred Effective Term: Fall 2005*

## COLLEGE OF HEALTH AND HUMAN PERFORMANCE: Health, Safety, and Environmental Health Sciences

**\*HLTH 415A Driver Education**--3 hours. Designed to prepare teachers and administrators in methods, materials, and administrative techniques related to effective driver education in the schools. Prerequisite: 323 or current enrollment in same.

*Change description, title, and prerequisites to:*

**\*HLTH 415A Driver Education Task Analysis**--3 hours. The candidate will learn and demonstrate knowledge of the laws, strategies, and principles that affect use of the Highway Transportation System. They will learn strategies for working with novice, experience, and return drivers. Prerequisites: a valid Indiana Driver's License or consent of the instructor, passing a limited criminal history from the Indiana State Police. Teacher Education students need to have at least a 2.5 grade average.

*Preferred Effective Term: Summer I 2005*

*\*Course has a graduate level equivalent*

**\*HLTH 415B Laboratory Programs in Driver and Traffic Safety Education**--3 hours. A technical examination of the aims, objectives, and role of laboratory programs in

driver and traffic safety education. A supervised student teaching experience.

*Change description and title to:*

**\*HLTH 415B Developing Driver Skills and Competencies**--3 hours. The candidate will be guided in the development of laboratory lesson plans and strategies for giving effective instruction to students with diverse needs. Under the guidance of a mentor, the candidate will provide instruction to novice drivers for six clock hours of planned instruction with a performance evaluation at the end by the instructor and the mentor. They will prepare individuals to know and show how to be responsible highway users. Prerequisites: HLTH 4/515A or concurrent enrollment.

*Preferred Effective Term: Summer I 2005*

*\*Course has a graduate level equivalent*

*UNDERGRADUATE APPROVALS: Course Revisions – continued.*

**\*HLTH 445 Innovative Teaching Techniques for Driver and Traffic Safety**--3 hours. Designed to prepare teachers to become competent in using simulation, radio communication, driving range, and program learning as integral parts of the high school driver and traffic safety education program.

*Change description, title, and prerequisites to:*

**\*HLTH 445 Developing Classroom Knowledge and Program Management**--3 hours. Candidates will participate in planning and implementing driver education program components, including: curriculum development, classroom presentation, marketing, program evaluation, scheduling, community involvement, parent mentoring, current state and federal opportunities and special programs and challenges in traffic safety. Prerequisites: HLTH 4/515A and HLTH 4/515B or concurrent registration.

*Preferred Effective Term: Summer I 2005*

*\*Course has a graduate level equivalent*

### **COURSE BANKING**

**PHYS 392 The Teaching of Physics in the Secondary School**--2 hours. The techniques of instruction and instructional materials in physics for secondary school teachers.

*Preferred Effective Term: Fall 2005*

### **COURSE ELIMINATION**

**ACCT 303 Financial Accounting III**--3 hours. A continuation of accounting principles and theory with an emphasis on accounting for: pensions and other retirement benefits, leases, income taxes, changes and error correction, analysis of financial statements, accounting for derivatives, multinational accounting. Prerequisites: 301 with a C grade or better.

*Preferred Effective Term: Fall 2005*

## PROGRAM REVISIONS

### COLLEGE OF HEALTH AND HUMAN PERFORMANCE

#### Health, Safety, and Environmental Health Sciences

#### Driver Education License

**Eliminate Old Title: Driver Education Endorsement – Major Code A227**

**Change to: Driver Education License**

#### Executive Summary:

The Indiana Department of Education and Professional Standards Board approved a new Driver Education License to replace the Driver Education Endorsement. The change included reducing the initial hours from 12 to 9 and requiring continuing education for license renewal. The *UNDERGRADUATE APPROVALS: Driver Education – continued.*

criteria will continue to be aligned with the American Driver and Traffic Safety Education Association's National Standards recommendation for Driver Education Instructor Preparation. Indiana State University is currently using materials from this program in its instructor preparation program. The purpose of the proposal is to bring the practice in line with the changes at the state level.

#### Rationale:

The Indiana Department of Education and the Indiana Professional Standards Board have established new standards that have three parts, knowledge, performance and disposition. The changes in the courses that are being recommended reflect the changes in the standards prescribed by the Professional Standards Board. With the requirement of continuing education the instructors will be encouraged to improve or voluntarily leave the program. This revision continues to keep Indiana State University as a leader in the state and nation in driver education instructor preparation.

#### *CATALOG COMPARISON*

<b>DRIVER EDUCATION LICENSE</b>	
<b>Old: Driver Education Endorsement</b>	<b>New: Driver Education License</b>
HLTH 4/515A Driver Education 3 cr.	HLTH 4/515A Driver Education Task Analysis 3 cr.
HLTH 4/515B Driver Education Laboratory 3 cr.	HLTH 4/515B Developing Driver Skills and Driver Competencies 3 cr.
HLTH 4/545 Innovative Teaching Techniques 3 cr.	HLTH 4/545 Developing Classroom Knowledge in Driver Education 3 cr.
HLTH 4/546 Individual, Community and General Safety Education 3 cr.	<b><u>Total 9 credit hours plus continuing education</u></b>
	<b><u>Elective for Professional Development</u></b>
<b>Total</b>	<b>12 credit hours</b>
	<i>HLTH 4/546 Individual, Community and General Safety Education 3 cr.</i>

No specific continuing education required.	<i>HLTH 4/527 Special Subjects in Health and Safety 1-3 cr.</i>
	<i>HLTH 603 Special Topics in Health and Safety 1-6 cr.</i>
	<i>The student will be required by the Indiana Professional Standards Board to complete continuing professional development for license renewal.</i>
	<i>HLTH 446 is required for School Health Majors and is an elective for other programs.</i>
	<i>The student must complete an education degree to work in the public schools and complete the 9 hour Driver Education License requirement.</i> <i>To work in the commercial schools students must successfully complete at least 48 semester hours plus the 9 hour Driver Education License requirement.</i>

*Preferred Effective Term: Summer I 2005*

## **GRADUATE APPROVALS**

### **NEW COURSE**

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

**HIST 504 Internship in Public History**--3 hours. Introduces the major issues and careers available in public history, including museums, archives, national parks, historic preservation, and oral history. Includes an on-site internship experience. Prerequisites: departmental approval.

*Preferred Effective Term: Summer I 2005*

#### **COLLEGE OF BUSINESS: Analytical**

**\*OMA 560 Risk and Decision Analysis**--3 hours. The course addresses strategies for organizing information and making decisions under conditions of uncertainty and risk. Classical probability techniques and Bayesian analysis are employed. Students practice assessing uncertain quantities and risk, and learn how values, biases, and risk attitudes influence the decision making process. Prerequisite: Business 305 or equivalent with a minimum grade of C.

*Preferred Effective Term: Fall 2005*

*\*Course has an undergraduate level equivalent*

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

**\*CIMT 631 Reference Sources and Services for Library Media**--3 hours. An introduction

to standard sources of reference information for school and public libraries. Both print and non-print formats are addressed. Also included is the theory and practice of reference services. This course is cross listed with CIMT 431/531.

*Preferred Effective Term: Fall 2005*

*\*course has undergraduate equivalent*

## **COURSE REVISIONS**

### **COLLEGE OF ARTS AND SCIENCES: Family and Consumer Sciences**

**\*FCS 521 Nutrition through the Lifecycle**--3 hours. Social-psychological, and physiological aspects of nourishing healthy individuals throughout the life cycle. **Prerequisites: FCS 201 or 221.**

*Change description and credit hours to:*

**\*FCS 521 Nutrition through the Lifecycle**--4 hours. Social, psychological, and physiological aspects of nourishing healthy individuals; investigation of the dynamics of the community and the relationship of nutrition services to the needs throughout the life cycle. **Prerequisites: FCS 201 or 221.**

*Preferred Effective Term: Summer I 2005*

*\*Course has a undergraduate level equivalent*

*GRADUATE APPROVALS: Course Revisions - continued.*

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

**GEOG 612 Development of Geographic Thought**--2 hours. Development of geographic concepts from classical times to 1940 and the study of those who contributed to that development.

*Change description and credit hours to:*

**GEOG 612 Development of Geographic Thought**--3 hours. A review of the development of the discipline of geography and major approaches to geographic research.

*Preferred Effective Term: Summer I 2005*

**GEOG 613 Recent Geographic Thought**--2 hours. Modern geographic thought, especially as it has developed since 1940, and the present status of geography and geographic methodology. Prerequisite:612.

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

**GEOG 613 Recent Geographic Thought and Research**--1 hour. A series of colloquia that include lectures, discussions, and presentations on contemporary geographic thought and research.

*Preferred Effective Term: Summer I 2005*

**GEOG 649 Individual Research in Economic Geography**--hours arranged. Research course for advanced graduate students to work on selected topics in the field of economic geography. Prerequisite: 630 or consent of instructor.

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

**GEOG 649 Individual Research in Economic Geography**--hours arranged. Research course for

advanced graduate students to work on selected topics in the field of economic geography.

*Preferred Effective Term: Fall 2005*

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

**SPED 790 Individual Research and Study-I**--3 hours. Opportunities are provided for supervised and independent study in selected areas. Designed primarily for educational specialist degree level students. All work offered on an individual basis with the consent of instructor concerned and Department Chairperson. May be repeated with consent of Department Chairperson.

*Change description to:*

**SPED 790 Individual Research and Study-I**--3 hours. Opportunities are provided for supervised and independent study in selected areas. All work offered on an individual basis with the consent of instructor concerned and Department Chairperson. May be repeated with consent of Department Chairperson.

*Preferred Effective Term: Summer I 2005*

*GRADUATE APPROVALS: Course Revisions - continued.*

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

**\*HLTH 515A Driver Education**--3 hours. Designed to prepare teachers and administrators in methods, materials, and administrative techniques related to effective driver education in the schools. Prerequisite: 323 or current enrollment in same.

*Change description, title, and prerequisites to:*

**\*HLTH 515A Driver Education Task Analysis**--3 hours. The candidate will learn and demonstrate knowledge of the laws, strategies, and principles that affect use of the Highway Transportation System. They will learn strategies for working with novice, experience, and return drivers. Prerequisites: a valid Indiana Driver's License or consent of the instructor, passing a limited criminal history from the Indiana State Police. Teacher Education students need to have at least a 2.5 grade average.

*Preferred Effective Term: Summer I 2005*

*\*Course has a undergraduate level equivalent*

**\*HLTH 515B Laboratory Programs in Driver and Traffic Safety Education**--3 hours. A technical examination of the aims, objectives, and role of laboratory programs in driver and traffic safety education. A supervised student teaching experience.

*Change description and title to:*

**\*HLTH 515B Developing Driver Skills and Competencies**--3 hours. The candidate will be

guided in the development of laboratory lesson plans and strategies for giving effective instruction to students with diverse needs. Under the guidance of a mentor, the candidate will provide instruction to novice drivers for six clock hours of planned instruction with a performance evaluation at the end by the instructor and the mentor. They will prepare individuals to know and show how to be responsible highway users. Prerequisites: HLTH 4/515A or concurrent enrollment.

*Preferred Effective Term: Summer I 2005*

*\*Course has a undergraduate level equivalent*

**\*HLTH 545 Innovative Teaching Techniques for Driver and Traffic Safety--3 hours.** Designed to prepare teachers to become competent in using simulation, radio communication, driving range, and program learning as integral parts of the high school driver and traffic safety education program.

*Change description, title, and prerequisites to:*

**\*HLTH 545 Developing Classroom Knowledge and Program Management--3 hours.** Candidates will participate in planning and implementing driver education program components, including: curriculum development, classroom presentation, marketing, program evaluation, scheduling, community involvement, parent mentoring, current state and federal opportunities and special programs and challenges in traffic safety. Prerequisites: HLTH 4/515A and HLTH 4/515B or concurrent registration.

*Preferred Effective Term: Summer I 2005*

*\*Course has a undergraduate level equivalent*

*GRADUATE APPROVALS: continued.*

## **PROGRAM REVISIONS**

### **COLLEGE OF ARTS AND SCIENCES GEOGRAPHY, GEOLOGY, & ANTHROPOLOGY M.A. GEOGRAPHY**

#### **Executive Summary:**

The Geography program within the Geography, Geology and Anthropology department seeks to update its graduate degree programs in Geography (M.A. and Ph.D.) in accordance with evolution in disciplinary trends and changes in faculty expertise, department profile and student opportunities. We propose the following changes to the M.A. curriculum:

- Specify GEOG 645 as the departmental statistics requirement (previously stated as 3 hours of departmentally approved statistics);
- GEOG 612, still required, gains 1 credit hour (from 2 to 3 hrs)
- Require 1 seminar course (GEOG 700, GEOG 710 or GEOG 711);
- Require a 1-hr. seminar based on participation in the department colloquium series (GEOG 613, which is reduced from 2 hrs. to 1 hrs.);
- Change the number of Geography elective hours required to 6 (from 7-9);
- Change the number of non-Geography elective hours required to 6 (from 6-8)



Credit hours required for the M.A. change to 37 from 33-37.

**Rationale:**

GGA hopes that the modifications above will strengthen the theoretical background and technical competence in a geography ever more based on statistics and computer methods. The following are the specific and expected contributions made by each proposed change:

- GEOG 645 is the preferred advanced statistics class for our graduate students—it provides them the multivariate analysis capability necessary for a variety of research. By requiring 645, we ensure that all majors receive geography-specific examples and applications, as well as an emphasis on the particular subset of statistical technique most pertinent to geographer-scientists.
- The content of GEOG 612 will be expanded to emphasize the essential contributions of 20th century geographers (see attached proposal).
- All Geography graduate students will benefit from a compulsory seminar. The departmental faculty have concluded that the depth of exposure to theoretical literature afforded by a seminar format, where students actively drive the discussion through their summary of literature and analysis of data, is a key, not elective, student experience.
- Geography graduate students will be required to attend and participate in the department colloquium series (under the formal heading of GEOG 613) in order to advance their familiarity with contemporary issues and research methods.
- Required Geography electives are reduced to 6 hours (from a possibly confusing or deceptive 7) to compensate the addition of the required 700-level seminar.

*GRADUATE APPROVALS: Program Revisions – MA Geography – continued.*

- The reduction in required non-geography classes is designed to offset the proposed increases (612, electives, seminar) and to eliminate the 2-hr outlier beyond a 2-course load.

*Old Catalog Copy*

**Master of Arts—Geography (32 semester hours minimum)**

**Research:** Geography 699--6 hrs. or 629--6 hrs. or 649--6 hrs.

**Major:** Geography 512--3hrs.; 610--3hrs.; 611--3 hrs; 612--2 hrs.; and 7-9 hours of Geography electives.

**Other Requirements:** 6-8 hrs. in Geology or in a discipline outside the department; 3 hours of departmentally approved statistics (or proficiency).

**Culminating Experience:** Successful defense of thesis or research project (s). In general, one-half of the credit hours must be taken in courses numbered 600 and above.

*New Catalog Copy*

**Master of Arts—Geography (37 semester hours minimum)**

**Research:** Geography 699--6 hrs. or 629--6 hrs. or 649--6 hrs.

**Major:** Geography 512--3hrs.; 610--3 hrs.; 611--3 hrs; 612--3 hrs.; 613--1 hr.; 645--3 hrs.; and 6 hours of geography electives.

**Seminar:** Geography 700--3 hrs. or 710--3 hrs. or 711--3 hrs.

**Other Requirements:** 6 hrs. 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). One-half of the credit hours must be taken in courses numbered 600 and above.

*Preferred Effective Term: Summer I 2005*

## **COLLEGE OF ARTS AND SCIENCES**

### **POLITICAL SCIENCE: CERTIFICATE OF ADVANCED STUDY IN PUBLIC PERSONNEL ADMINISTRATION**

#### **Summary and Rationale:**

The faculty of the political science department proposed to add a second graduate certificate to the program's offerings with the addition of one online course already in the catalogue.

There is a demonstrated need for certificate programs offered on-line (see program revision rationale).

*Current Catalog Copy:*

*GRADUATE APPROVALS: Program Revisions – Certificate of Advanced Study – continued.*

#### **CERTIFICATE OF ADVANCED STUDY IN PUBLIC ADMINISTRATION**

The Department of Political Science offers a certificate of advanced study in public administration primarily for professionals who are working in public and non-profit agencies. This program also admits government employees sponsored for graduate study by foreign governments, international agencies, and United States government agencies. Application for admission to this program is made to the School of Graduate Studies. The applicants should also have a TOEFL score of 550. Certificate of advanced study in public administration students are required to complete each of the following four 600 level graduate courses in Public Administration with a "B" grade or better. The M.P.A. Director serves as the academic advisor. Courses required are Public Administration 601—3 hrs.; 605—3 hrs.; 606—3 hrs.; and 607—3 hrs.

*New Catalog Copy:*

#### **CERTIFICATES OF GRADUATE STUDY IN PUBLIC ADMINISTRATION**

The public administration program of the Department of Political Science offers two certificates of graduate study: a certificate of advanced study in public administration, and a certificate of advanced study in public personnel administration. The certificates are meant to introduce graduate study in public administration to students who may be contemplating enrollment in the MPA, or to meet the needs of mid-career managers who may not need the volume of advanced course work offered through the MPA. Because course work

for both programs is entirely web-supported, we encourage the enrollment from Indiana, from throughout the US, and across the globe.

Students may apply for either program through the School of Graduate Studies. Applicants must offer proof of a B.A. or a B.S. degree and an acceptable GPA from an accredited college or university. Applicants may be admitted conditionally on the basis of a graduate school application and unofficial transcripts, but each student must supply the College of Graduate Studies with an official transcript of all academic work before the program will extend unconditional admission. International applicants should also have a TOEFL score of at least 550.

**Certificate of Advanced Study in Public Administration (12 semester hours)**

**Required courses:** Public Administration 601--3 hrs.; 605--3 hrs.; 606--3 hrs.; 607--3 hrs.

**Certificate of Advanced Study in Public Personnel Administration (12 semester hours)**

**Required courses:** Public Administration 601--3 hrs.; PA 605--3 hrs.; PA 606--3 hrs.; PA 640--3 hrs.

Certificate students must maintain a “B” average to continue in the program. Certificate students may not apply for or enroll in both certificate programs at the same time. Students may transfer credits earned in the certificate program into the MPA program, once they are accepted into the MPA program.

*Preferred Effective Term: Summer I 2005*

# **UNDERGRADUATE COURSES APPROVED FOR ANNUAL BANKING**

## **COLLEGE OF ARTS AND SCIENCES: African and African American Studies**

**AFRI 345 [no description available]**

**AFRO 413 [no description available]**

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

**COMM 160 [no description available]**

**COMM 251 [no description available]**

**COMM 365 [no description available]**

**COMM 425 [no description available]**

**COMM 426 [no description available]**

**COMM 427 [no description available]**

**COMM 465 [no description available]**

**COMM 471 [no description available]**

**COMM 481 [no description available]**

**JOUR 210 [no description available]**

**JOUR 310 [no description available]**

**JOUR 318 [no description available]**

**JOUR 414 [no description available]**

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

**ECON 100I [no description available]**

**ECON 198 [no description available]**

**ECON 280** [no description available]

**ECON 322** [no description available]

*UNDERGRADUATE COURSES TO BE BANKED—CONTINUED.*

**ECON 352** [no description available]

**ECON 361** [no description available]

**ECON 403H** [no description available]

**ECON 406** [no description available]

**ECON 411** [no description available]

**ECON 414** [no description available]

**ECON 430** [no description available]

**ECON 443** [no description available]

**ECON 470** [no description available]

**ECON 498B** [no description available]

**ECON 498C** [no description available]

**ECON 498D** [no description available]

**ECON 498H** [no description available]

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

**ANTH 370** [no description available]

**COLLEGE OF ARTS AND SCIENCES: History**

**HIST 100P** [no description available]

**HIST 427** [no description available]

**SS 304** [no description available]

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

**\*FREN 454** **Comedies of Moliere**--3 hours. The principal comedies, sources, characters, influence.

**GERM 302** [no description available]

*UNDERGRADUATE COURSES TO BE BANKED—CONTINUED.*

**GERM 464** [no description available]

**GERM 476** [no description available]

**LAT 211** [no description available]

**LAT 212** [no description available]

**RUSS 394** [no description available]

**SPAN 390** [no description available]

**SPAN 411** [no description available]

**SPAN 485** [no description available]

**SPAN 492** [no description available]

**COLLEGE OF ARTS AND SCIENCES: Life Sciences**

**LIFS 361** [no description available]

**LIFS 403L** [no description available]

**LIFS 407L** [no description available]

**LIFS 415L** [no description available]

**LIFS 441** **Histology and Microtechnique**--4 hours. Lecture and Laboratory studies of the principal animal tissues at the microscopic and submicroscopic levels. Includes slide preparation. Prerequisite: 102.

**LIFS 441L** [no description available]

**LIFS 447L** [no description available]

**LIFS 451L** [no description available]

**LIFS 485L** [no description available]

**COLLEGE OF ARTS AND SCIENCES: Music**

**MUS 183** [no description available]

**MUS 184** [no description available]

*UNDERGRADUATE COURSES TO BE BANKED—CONTINUED.*

**MUS 190** **Summer Workshop for High School Students--1 hour.** A series of music workshops providing an opportunity for high school students (grades 9 through 12) to receive musical instruction and ensemble experience under the direction of University and guest faculty.

**MUS 464** [no description available]

**COLLEGE OF ARTS AND SCIENCES: Philosophy**

**PHIL 195A** [no description available]

**COLLEGE OF ARTS AND SCIENCES: Physics**

**PHYS 340** [no description available]

**COLLEGE OF ARTS AND SCIENCES: Psychology**

**PSY 455** **Animal Behavior--3 hours.** Introduction to the comparative study of animal, primarily infrahuman, behavior. Prior study in experimental approaches to behavior and/or zoology is recommended. Prerequisites: 201 or consent of instructor.

**PSY 486D** [no description available]

**PSY 490G** [no description available]

**COLLEGE OF ARTS AND SCIENCES: Theater**

**THTR 214A** [no description available]

**THTR 374** **Costume Construction—2 hours.** Can be taken twice for credit. Through demonstration and hands on application students will be instructed in the use and application of construction techniques of the costume workroom. Students will learn the process of building a theatrical costume including

taking accurate measurements, sizing and cutting patterns, fabric choices, and handling, stitching, and fitting the garment on the actor.

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

**ELED 484 [no description available]**

**ELED 495J [no description available]**

**SPED 488B [no description available]**

*UNDERGRADUATE COURSES TO BE BANKED—CONTINUED.*

**COLLEGE OF NURSING: Nursing**

**NURS 400L [no description available]**

**COLLEGE OF TECHNOLOGY: Manufacturing and Construction Technology**

**MCT 459A [no description available]**

**MCT 490A [no description available]**

**MCT 490P [no description available]**

**MCT 493A [no description available]**

**GRADUATE COURSES APPROVED  
FOR ANNUAL BANKING**

**COLLEGE OF ARTS AND SCIENCES: Communication**

**COMM 525 [no description available]**

**COMM 526 [no description available]**

**COMM 565 [no description available]**

**COMM 571 [no description available]**



**COMM 580** [no description available]

**COMM 581** [no description available]

**COMM 601C**[no description available]

**COLLEGE OF ARTS AND SCIENCES: Economics**

**ECON 501** [no description available]

**ECON 542** [no description available]

**ECON 546** [no description available]

**ECON 547** [no description available]

*GRADUATE COURSES TO BE BANKED—CONTINUED.*

**ECON 551** [no description available]

**ECON 575** [no description available]

**ECON 600** [no description available]

**ECON 605** [no description available]

**ECON 621** [no description available]

**ECON 670** [no description available]

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

**ANTH 504** [no description available]

**COLLEGE OF ARTS AND SCIENCES: History**

**HIST 527** [no description available]

**SS 510E** [no description available]

**COLLEGE OF ARTS AND SCIENCES: Family and Consumer Sciences**

**FCS 675** **Consumers and the Market--3 hours.** Consumption of theories, market structures, degrees of competition, and institutional restrictions within the

consumption sector of the economy and the implications for individuals and families. Prerequisite: 475 or Economics 200 or 201 or consent of instructor.

**FCS 677 Seminar in Consumer Economics--3 hours** Current trends in consumer economics and their effects on the family. Prerequisite: 301 or 475 or Finance 308 or consent of instructor.

**FCS 683 Vocational Curriculum Development and Implementation--3 hours.** An advanced course for the secondary and postsecondary vocational administrator which examines the process and procedures in developing, initiating change in, and evaluating vocational curricula in the various disciplines. Prerequisite: consent of instructor. (Also listed as ASBE 683 and Industrial Technology Education 683).

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

**HUM 645C Topics in Humanities--3 hours.** Topics vary each semester. May be repeated for credit when topic is different.

#### *GRADUATE COURSES TO BE BANKED—CONTINUED.*

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

**\*FREN 554 [no description available]**

**FREN 631 [no description available]**

**FREN 641 [no description available]**

**GERM 503D [no description available]**

**GERM 695 [no description available]**

**SPAN 503D [no description available]**

**SPAN 511 [no description available]**

**SPAN 560 [no description available]**

**SPAN 585 [no description available]**

**SPAN 592 [no description available]**

**SPAN 695A** [no description available]

**SPAN 695B** [no description available]

**SPAN 699** [no description available]

**COLLEGE OF ARTS AND SCIENCES: Life Sciences**

**LIFS 537** [no description available]

**LIFS 537L** [no description available]

**LIFS 541** [no description available]

**LIFS 541L** [no description available]

**LIFS 551L** [no description available]

**LIFS 585L** [no description available]

**LIFS 631** [no description available]

**LIFS 631L** [no description available]

*GRADUATE COURSES TO BE BANKED—CONTINUED.*

**LIFS 631L** [no description available]

**LIFS 632** [no description available]

**LIFS 632L** [no description available]

**LIFS 632L** [no description available]

**LIFS 634L** [no description available]

**LIFS 635** [no description available]

**COLLEGE OF ARTS AND SCIENCES: Music**

**MUS 564** [no description available]

**MUS 646** [no description available]

**COLLEGE OF ARTS AND SCIENCES: Philosophy**

**PHIL 640A An Individual Philosopher--3 hours.** May be repeated for a maximum of 9 credit hours with a change in philosopher studied.

**COLLEGE OF ARTS AND SCIENCES: Physics**

**PHYS 520 Thermodynamics and Statistical Mechanics--3 hours.** The laws of thermodynamics and their practical applications, work, heat, entropy, enthalpy, partition function, heat engines, and refrigerators; Planck's radiation law.

**PHYS 593 Nuclear Physics--3 hours.** Nuclear reactions, quantum properties, nuclear radiation, radiation detection, instrumentation, statistics in nuclear processes, neutron physics, nuclear structure, and elementary particles. Prerequisite: 573 should be taken concurrently.

**COLLEGE OF ARTS AND SCIENCES: Psychology**

**PSY 555 Animal Behavior--3 hours.** Introduction to the comparative study of animal, primarily infrahuman, behavior. Prior study in experimental approaches to behavior and/or zoology is recommended. Prerequisite: 201 or consent of instructor.

**PSY 590G Seminar in Psychology--1-3 hours.** A topic of contemporary interest in psychology will be offered for intensive study. May be repeated for credit if taken in different areas. Prerequisite: consent of instructor.

*GRADUATE COURSES TO BE BANKED—CONTINUED.*

**COLLEGE OF ARTS AND SCIENCES: Theater**

**THTR 607 Principles of Costume Design for the Theater--3 hours.** The principles and practices of theatrical costume design.

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

**URSC 684F [no description available]**

**COLLEGE OF EDUCATION: Educational and School Psychology**

**EPSY 690B [no description available]**

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

**ELED 595I [no description available]**

**ELED 595J** [no description available]

**ELED 595L** [no description available]

**ELED 595N** [no description available]

**ELED 595R** [no description available]

**ELED 595V** [no description available]

**ELED 595X** [no description available]

**ELED 792** **Field Research Projects--1-3 hours.** Designed to permit an advanced graduate student to test a theory or hypothesis in instruction, curriculum, or leadership.

Emphasis will be placed on the design, application, and evaluation of the project.

May be repeated, but no more than 6 semester hours may be counted toward meeting degree requirements.

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

**ATTR 556** [no description available]

**COLLEGE OF TECHNOLOGY: Manufacturing and Construction Technology**

**MCT 503** [no description available]

**MCT 511** [no description available]

*GRADUATE COURSES TO BE BANKED—CONTINUED.*

**MCT 593** **(B-Z) Construction, Manufacturing, or Printing Technology Workshop- 1-3**

**hours.** The content of each workshop will relate to the new and current developments in the various technological areas.

**UNDERGRADUATE COURSES APPROVED  
FOR ANNUAL DELETION**

**COLLEGE OF ARTS AND SCIENCES: African and African American Studies**

**AFRI 299E** [no description available]

**AFRI 299G [no description available]**

**AFRO 222 [no description available]**

**AFRO 321 [no description available]**

**AFRO 330A [no description available]**

**AFRO 394 [no description available]**

**AFRO 403 [no description available]**

**AFRO 423P [no description available]**

**AFRO 492 [no description available]**

**AFRO 499A [no description available]**

**AFRO 499B [no description available]**

**AFRO 499C [no description available]**

**AFRO 499D [no description available]**

**AFRO 499E [no description available]**

**AFRO 499F [no description available]**

**AFRO 499G [no description available]**

**AFRO 499H [no description available]**

*UNDERGRADUATE COURSES TO BE DELETED—CONTINUED.*

**AFRO 499I [no description available]**

**AFRO 499J [no description available]**

**AFRO 499L [no description available]**

**AFRO 499M [no description available]**

**AFRO 499N [no description available]**

**COLLEGE OF ARTS AND SCIENCES: Art**

**ART 103** [no description available]

**ART 225** [no description available]

**ART 290** [no description available]

**ART 291** [no description available]

**ART 326** [no description available]

**ART 327** [no description available]

**ART 351** [no description available]

**ART 401C** [no description available]

**ART 425** [no description available]

**ART 426** [no description available]

**ART 427** [no description available]

**ART 433** [no description available]

**ART 473** [no description available]

**ART 474C** [no description available]

**ART 475** [no description available]

**ART 477** [no description available]

**ART 486** [no description available]

*UNDERGRADUATE COURSES TO BE DELETED—CONTINUED.*

**ART 487** [no description available]

**ART 490** [no description available]

**ART 492** [no description available]

**COLLEGE OF ARTS AND SCIENCES: Chemistry**

**CHEM 301 Topics in Chemical Techniques--1-3 hours.** Principles and applications of special laboratory techniques used in chemical research. Specific course title will be listed when course is scheduled.

**CHEM 361 Introduction to Chemical Programming--3 hours.** The structure of computational language and its use in the acquisition and analysis of scientific data. Prerequisite: 106 or 108.

**CHEM 463 Radioisotope Techniques--2 hours.** Practice in the handling of radioisotopes and in the characteristics and use of radiation detection equipment. Two laboratories per week. Prerequisite: 462 or consent of instructor.

**CHEM 468 Physical Chemistry III--3 hours.** An introduction to quantum mechanics and statistical mechanics with applications to molecular spectroscopy and other selected topics. No laboratory. Prerequisites: 462 and Mathematics 330.

**CHEM 459B [no description available]**

**COLLEGE OF ARTS AND SCIENCES: Communication**

**COMM 214M [no description available]**

**COMM 445K [no description available]**

**COMM 445T [no description available]**

**COLLEGE OF ARTS AND SCIENCES: English**

**ENG 104L [no description available]**

**ENG 105L [no description available]**

**ENG 298 [no description available]**

**ENG 298H [no description available]**

**ENG 330C [no description available]**

*UNDERGRADUATE COURSES TO BE DELETED—CONTINUED.*

**ENG 330D [no description available]**

**ENG 330E [no description available]**

**ENG 330F [no description available]**



ENG 330G [no description available]  
ENG 330H [no description available]  
ENG 330J [no description available]  
ENG 330K [no description available]  
ENG 330L [no description available]  
ENG 330M [no description available]  
ENG 330N [no description available]  
ENG 330P [no description available]  
ENG 330Q [no description available]  
ENG 330R [no description available]  
ENG 330S [no description available]  
ENG 330T [no description available]  
ENG 330U [no description available]  
ENG 330V [no description available]  
ENG 379A [no description available]  
ENG 398 [no description available]  
ENG 419A [no description available]  
ENG 439B [no description available]  
ENG 439C [no description available]  
ENG 439D [no description available]  
*UNDERGRADUATE COURSES TO BE DELETED—CONTINUED.*  
ENG 439E [no description available]

**ENG 439F** [no description available]  
**ENG 439G** [no description available]  
**ENG 439H** [no description available]  
**ENG 439I** [no description available]  
**ENG 439J** [no description available]  
**ENG 439L** [no description available]  
**ENG 439M** [no description available]  
**ENG 439N** [no description available]  
**ENG 446B** [no description available]  
**ENG 446C** [no description available]  
**ENG 446D** [no description available]  
**ENG 446F** [no description available]  
**ENG 446G** [no description available]  
**ENG 447C** [no description available]  
**ENG 447D** [no description available]  
**ENG 447E** [no description available]  
**ENG 447G** [no description available]  
**ENG 447I** [no description available]  
**ENG 447K** [no description available]  
**ENG 447L** [no description available]  
**ENG 448A** [no description available]  
**ENG 448B** [no description available]

*UNDERGRADUATE COURSES TO BE DELETED—CONTINUED.*

ENG 448C [no description available]  
ENG 448E [no description available]  
ENG 448G [no description available]  
ENG 448I [no description available]  
ENG 448J [no description available]  
ENG 462A [no description available]  
ENG 462D [no description available]  
ENG 462E [no description available]  
ENG 462G [no description available]  
ENG 463A [no description available]  
ENG 379A [no description available]  
ENG 463C [no description available]  
ENG 463D [no description available]  
ENG 463E [no description available]

**COLLEGE OF ARTS AND SCIENCES: Family and Consumer Sciences**

FCS 155 [no description available]  
FCS 364 [no description available]  
FCS 463 [no description available]

**COLLEGE OF ARTS AND SCIENCES: Geology**

GEO 107 [no description available]  
GEO 153L [no description available]  
GEO 171 [no description available]

**GEO 315 [no description available]**

*UNDERGRADUATE COURSES TO BE DELETED—CONTINUED.*

**GEO 354L [no description available]**

**GEO 441L [no description available]**

**GEO 451L [no description available]**

**GEO 452L [no description available]**

**GEO 455L [no description available]**

**GEO 461H [no description available]**

**GEO 462L [no description available]**

**GEO 463L [no description available]**

**GEO 484 [no description available]**

**COLLEGE OF ARTS AND SCIENCES: History**

**HIST 100A [no description available]**

**HIST 100B [no description available]**

**HIST 100C [no description available]**

**HIST 100D [no description available]**

**HIST 100E [no description available]**

**HIST 100F [no description available]**

**HIST 100G [no description available]**

**HIST 100H [no description available]**

**HIST 100I [no description available]**

**HIST 100J [no description available]**

**HIST 100K** [no description available]

**HIST 100L** [no description available]

**HIST 100M** [no description available]

*UNDERGRADUATE COURSES TO BE DELETED—CONTINUED.*

**HIST 100N** [no description available]

**HIST 309** [no description available]

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

**FL 199** [no description available]

**FL 463** [no description available]

**FL 563** [no description available]

**FREN 101L** [no description available]

**FREN 102L** [no description available]

**FREN 201L** [no description available]

**FREN 202L** [no description available]

**GERM 101L** [no description available]

**GERM 102L** [no description available]

**GERM 201L** [no description available]

**GERM 202L** [no description available]

**GERM 390** [no description available]

**GERM 407** [no description available]

**GERM 461** [no description available]

**GERM 462** [no description available]

**ITAL 101L** [no description available]

**ITAL 102L** [no description available]

**ITAL 202L** [no description available]

**LAT 102L** [no description available]

**LAT 212L** [no description available]

*UNDERGRADUATE COURSES TO BE DELETED—CONTINUED.*

**RUSS 101L** [no description available]

**RUSS 102L** [no description available]

**RUSS 161** [no description available]

**RUSS 162** [no description available]

**RUSS 202L** [no description available]

**RUSS 212** [no description available]

**RUSS 214** [no description available]

**RUSS 301** [no description available]

**RUSS 302** [no description available]

**RUSS 302L** [no description available]

**RUSS 308** [no description available]

**RUSS 371** [no description available]

**RUSS 372** [no description available]

**RUSS 376** [no description available]

**RUSS 381** [no description available]

**RUSS 474** [no description available]

**SPAN 101A** [no description available]

**SPAN 101B** [no description available]

**SPAN 101C** [no description available]

**SPAN 101L** [no description available]

**SPAN 102L** [no description available]

**SPAN 201L** [no description available]

**SPAN 202L** [no description available]

*UNDERGRADUATE COURSES TO BE DELETED—CONTINUED.*

**COLLEGE OF ARTS AND SCIENCES: Life Sciences**

**CLS 440** [no description available]

**CLS 450** [no description available]

**LIFS 361** [no description available]

**LIFS 403L** [no description available]

**LIFS 415L** [no description available]

**LIFS 441L** [no description available]

**LIFS 447L** [no description available]

**LIFS 451L** [no description available]

**COLLEGE OF ARTS AND SCIENCES: Physics**

**PHYS 100** [no description available]

**PHYS 303** [no description available]

**PHYS 385B** [no description available]

**PHYS 407** [no description available]

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

**PSCI 105L** [no description available]

**PSCI 130L** [no description available]

**PSCI 170L** [no description available]

**PSCI 201L** [no description available]

**PSCI 230** [no description available]

**PSCI 301** [no description available]

**PSCI 398** [no description available]

**PSCI 399** [no description available]

*UNDERGRADUATE COURSES TO BE DELETED—CONTINUED.*

**PSCI 412** [no description available]

**PSCI 492** [no description available]

**PSCI 498H** [no description available]

**COLLEGE OF ARTS AND SCIENCES: Psychology**

**PSY 486N** [no description available]

**PSY 486Q** [no description available]

**PSY 490A** [no description available]

**PSY 490B** [no description available]

**PSY 490F** [no description available]

**PSY 490L** [no description available]

**COLLEGE OF ARTS AND SCIENCES: Sociology**

**SOC 343** **Social Control--3 hours.** The processes through which order is established in society from the internalization of group norms to institutional control; the nature, significance, types, techniques, and problems of social control; and examination of various theories of social control. Prerequisite: 120.

6

**SOC 442** **Small Group Dynamics--3 hours.** Social interaction and social processes in the



small group context, group norms, conformity, behavioral change, formal and informal structures, communication networks, leadership patterns, and group interaction processes. Prerequisite: 6 hours of sociology or consent of instructor.

**SOC 447 Social Attitude Theory and measurement--3 hours.** Attitude as a basic construct in social psychology, basic properties of an attitude, techniques of attitude measurement, and the selection and use of appropriate measures. Prerequisite: 6 hours of sociology or consent of the instructor.

**SOC 449 Experimental Social Psychology--3 hours.** Experimental research methods in social psychology with planned research investigation. Designing field and laboratory social psychology experiments, including data analysis and selected specialized techniques. Prerequisite: 6 hours of sociology or consent of instructor.

*UNDERGRADUATE COURSES TO BE DELETED—CONTINUED.*

**SOC 452 Sociology of Communication--3 hours.** The role of communication in social interaction and change. Among topics discussed are group, structure, mass media, opinion leadership, and diffusion of innovations. Prerequisite: 6 hours of sociology or consent of instructor.

**SOC 468 Education and Modern Society--3 hours.** The sociological analysis of the role of education in modern society, as an agent of socialization, and a force in social change. Relations with other social institutions are studied, as are cross-cultural comparisons. Prerequisite: 6 hours of sociology or consent of instructor.

**COLLEGE OF HEALTH AND HUMAN PERFORMANCE: Recreation and Sport Management**

**RCSM 120 Bass Fishing Techniques with Artificial Bait- 1 hour.** Considers different types of rods reels, lines, and lures; bait and spin casting; spinning and fly casting; lake analysis; structure fishing; and other aspects of bass fishing and conservation.

**RCSM 160 Leisure in Society- 3hours.** Historical and contemporary interactions of leisure with social institutions and the environment; potential benefits/hazards of leisure opportunities; availability of leisure opportunities to individuals and communities. Not open to majors. May be applied to General Education. (Field trip required.)

**RCSM 268 [no description available]**

**RCSM 335 [no description available]**

**RCSM 350 [no description available]**

- RCSM 362 Program Development in Outdoor Education-3 hours.** Practical experience in designing an outdoor education program. Opportunity to plan and lead education sessions with elementary school children. Prerequisite: 361.
- RCSM 364 Recreation for the Handicapped-3 hours.** The organization, philosophy, program, and leadership in recreation for the handicapped are examined. Emphasis is placed on leadership responsibilities and practical activities are assigned. Not open to majors.
- RCSM 436 Planning of Recreation Systems - 3 hours.** Examination of fundamental concepts and critical analysis of factors which influence the nature and scope of leisure delivery systems. Exploration of problem design, resource utilization, and need assessment. Prerequisite: completion of lower division core.
- RCSM 465 Outdoor Interpretive Techniques- 2 hours.** Exhibit, design, and programming techniques in nature interpretation appropriate for use in nature centers, trailside teaching stations, and park naturalist services. Prerequisite: 361.

*UNDERGRADUATE COURSES TO BE DELETED—CONTINUED.*

- RCSM 466 Creative Problem-Solving Methods for Recreation- 3hours.** Soft systems methods for problem solving in recreation and park management. Brainstorming, lateral thinking, synectics, and other methods of generating creative solutions to problems.

**COLLEGE OF TECHNOLOGY: Aerospace Technology**

- AST 212 Powerplants I -2 hours.** Aircraft engine construction, lubrication systems, cooling systems, operating characteristics, and systems analysis.
- AST 240 Commercial Flight 1-2 hours.** Special emphasis is placed on a higher degree of coordination utilizing advanced maneuvers. The first course of three which leads to the commercial certificate. (40 hours of flight.)
- AST 302 Air Transportation-3 hours.** Historical development and present status of air transportation facilities, state and federal regulations, legal characteristics of the air transportation industry, problems, and services of commercial transportation.
- AST 336 Aerobatics-2 hours.** Principles and theory of aerobatic flight including ground and flight instruction. Prerequisite: Private Pilot Certificate. (10 hours of flight.)
- AST 337 Mountain Flying-2 hours.** Principles and theory of mountain flying including actual mountain flying expedition. Prerequisite: consent of instructor. (20 hours of flight.)

- AST 338 Ocean Flying-2 hours.** Principles and theory of ocean flying including actual transocean flight. Prerequisite: consent of instruction. (30 hours of flight.)
- AST 347 Instrument Flight-2 hours.** Instrument flight stressing precision flying, navigation, meteorology, radio orientation, and procedures; designed to meet flight requirements for instrument rating. (20 hours of flight, 10 hours of simulator time.)
- AST 371 [no description available]**
- AST 402 Aerospace Legislation-3 hours.** Federal, state, and local legislation as related to the aerospace industry. Case studies and discussion methods are used to show application of these statutes. Included will be a study of latest legislation passed the Congress and international conventions.
- AST 440 Flight Instructor Flight-2 hours.** The flight experience as required by the FAA for certification as a flight instructor. (25 hours of flight.)

*UNDERGRADUATE COURSES TO BE DELETED—CONTINUED.*

- AST 443 Aviation Operations -2 hours.** Organization and operation of aviation facilities and associated problems. Included will be flight line operations, aircraft maintenance, administration, and decision making.
- AST 445 Flight Instructor, Instrument-3 hours.** The basic flight theory and skills as required for the instrument instructor certificate. Covers aspects of instructing instruments interfaced with analysis of instrument flight maneuvers and procedures. Prerequisite: special consent of the instructor (10 hours of flight.)
- AST 480 Aviation Administration Seminar-1-6 hours.** Special problems and current status of legislation in aircraft and related aerospace industries. Prerequisites: senior standing, major in aerospace technology, or by special consent of instructor.

**COLLEGE OF TECHNOLOGY: Manufacturing and Construction Technology**

- MCT 130 [no description available]**
- MCT 280 [no description available]**
- MCT 281 [no description available]**

- MCT 282** [no description available]
- MCT 283** [no description available]
- MCT 312A** **Plane Surveying-3 hours.** Basic surveying, use of instruments, recording and computing data, site layout, and earthwork.
- MCT 315** [no description available]
- MCT 321** **Machine Tool Processes II- 3 hours.** Advanced machine operations, gear cutting processes, precision grinding, numerical control, and electrical discharge machining. Prerequisite: 370 or ITE 221.
- MCT 325** **Welding--3 hours.** Arc, oxyacetylene, T.I.G., and M.I.G. processes. Special soldering, brazing, flame cutting, and other evolving welding processes.
- MCT 351D** **Cooperative Industrial Practice--3 hours.** Coordinated work experience in industry and a comprehensive written report of the experience. Prerequisite: participation in Professional Practice Program.
- MCT 370B** **Fundamentals of Machine Tool Processes--3 hours.** Theory and laboratory experience dealing with measurement, inspection, cutting, computer-assisted numerical control, and newly developed processes.

*UNDERGRADUATE COURSES TO BE DELETED—CONTINUED.*

- MCT 371A** **Manufacturing Processes and Materials- 3 hours.** Metallic materials and their applications in casting, forming, finishing, fabrication, and assembly.
- MCT 380** [no description available]
- MCT 401** [no description available]
- MCT 403** [no description available]
- MCT 419A** **Special Problems in Construction Technology- 2-3 hours.** Problems growing from the needs of the student and approved by the instructor.
- MCT 419B** **Special Problems in Construction Technology- 2-3 hours.** Problems growing from the needs of the student and approved by the instructor.
- MCT 421** **Tool and Dyemaking-3 hours.** The making of basic tools. Fabrication of simple jigs, fixtures, dies, and molds. Prerequisite: 321.

**MCT 422** [no description available]

**MCT 429A** **Special Problems in Metal Technology- 2-3 hours.** Problems growing from the needs of the student approved by the instructor. Prerequisite: consent of Instructor.

**MCT 451B** **Typographic Composition- 3 hours.** Operation and application of photocomposition and cold type processes, including controls and computers. Prerequisite: 391.

**MCT 481** [no description available]

**MCT 482** [no description available]

## **GRADUATE COURSES SCHEDULED FOR ANNUAL DELETION**

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

**ART 573** [no description available]

**ART 574C** [no description available]

**ART 575** [no description available]

**ART 576** [no description available]

*GRADUATE COURSES TO BE DELETED—CONTINUED.*

**ART 577** [no description available]

**ART 581** [no description available]

**ART 586** [no description available]

**ART 613** [no description available]

**ART 625** [no description available]

**ART 626** [no description available]

**ART 627** [no description available]

**ART 670** [no description available]

**ART 690** [no description available]

**COLLEGE OF ARTS AND SCIENCES: Chemistry**

**CHEM 559B** [no description available]

**CHEM 568** **Advanced Physical Chemistry--3 hours.** Treatment of additional topics in physical chemistry, such as group theory and its applications to molecular spectroscopy, computational chemistry and applications to molecular modeling, theory and techniques in magnetic resonance, or other selected topics. Prerequisites: 562; Mathematics 330).

**CHEM 629D** [no description available]

**CHEM 629E** [no description available]

**CHEM 629F** [no description available]

**CHEM 629G** [no description available]

**CHEM 633L** [no description available]

**CHEM 635** [no description available]

**CHEM 669A** [no description available]

*GRADUATE COURSES TO BE DELETED—CONTINUED.*

**COLLEGE OF ARTS AND SCIENCES: Criminology**

**CRIM 680** **Urban-Regional Analysis I--3 hours.** Interdisciplinary approaches to the content, theory, and techniques of urban-regional development, planning, and policy formation. (Also listed as Urban-Regional Studies 680).

**CRIM 681** **Urban-Regional Analysis II--3 hours.** Continuation of and companion to 680. (Also listed as Urban-Regional Studies 681.)

**CRIM 682** **Urban-Regional Studies Seminar I--1 hour.** Research project related to the course content of 680. Normally taken concurrently with 680. (Also listed as Urban- Regional Studies 682.)

**CRIM 683 Urban-Regional Studies Seminar II--1 hour.** Research project related to the course content of 681. Normally taken concurrently with 681. (Also listed as Urban- Regional Studies 683.)

**CRIM 684 Internship in Urban-Regional Studies-6 hours.** Directed employment in an agency or firm engaged in urban-regional development, planning, or policy formation in an area of the student's background and interest. (Also listed as Urban- Regional Studies 684.)

**COLLEGE OF ARTS AND SCIENCES: English**

**ENG 539B [no description available]**

**ENG 539C [no description available]**

**ENG 539D [no description available]**

**ENG 539E [no description available]**

**ENG 539F [no description available]**

**ENG 539G [no description available]**

**ENG 539H [no description available]**

**ENG 539I [no description available]**

**ENG 539J [no description available]**

**ENG 539L [no description available]**

**ENG 539M [no description available]**

*GRADUATE COURSES TO BE DELETED—CONTINUED.*

**ENG 539N [no description available]**

**ENG 546B [no description available]**

**ENG 546C [no description available]**

**ENG 546D [no description available]**

**ENG 546F [no description available]**

**ENG 546G [no description available]**

**ENG 547C [no description available]**

**ENG 547D [no description available]**

**ENG 547E [no description available]**

**ENG 547G [no description available]**

**ENG 547I [no description available]**

**ENG 547K [no description available]**

**ENG 547L [no description available]**

**ENG 548A [no description available]**

**ENG 548B [no description available]**

**ENG 548C [no description available]**

**ENG 548E [no description available]**

**ENG 548G [no description available]**

**ENG 548I [no description available]**

**ENG 548J [no description available]**

**ENG 562A [no description available]**

**ENG 562D [no description available]**

**ENG 562G [no description available]**

*GRADUATE COURSES TO BE DELETED—CONTINUED.*

**ENG 563A [no description available]**

**ENG 563C [no description available]**

**ENG 563D [no description available]**

**ENG 563E [no description available]**



ENG 614A [no description available]  
ENG 614B [no description available]  
ENG 618A [no description available]  
ENG 619A [no description available]  
ENG 619B [no description available]  
ENG 643 [no description available]  
ENG 645 [no description available]  
ENG 649A [no description available]  
ENG 649B [no description available]  
ENG 649D [no description available]  
ENG 649E [no description available]  
ENG 649F [no description available]  
ENG 649H [no description available]  
ENG 649I [no description available]  
ENG 649J [no description available]  
ENG 649L [no description available]  
ENG 649P [no description available]  
ENG 649Q [no description available]  
ENG 649R [no description available]  
*GRADUATE COURSES TO BE DELETED—CONTINUED.*  
ENG 653A [no description available]  
ENG 659A [no description available]

**ENG 659B** [no description available]  
**ENG 659C** [no description available]  
**ENG 659D** [no description available]  
**ENG 659E** [no description available]  
**ENG 659G** [no description available]  
**ENG 659H** [no description available]  
**ENG 659I** [no description available]  
**ENG 659K** [no description available]  
**ENG 659L** [no description available]  
**ENG 660A** [no description available]  
**ENG 661** [no description available]  
**ENG 664A** [no description available]  
**ENG 665** [no description available]  
**ENG 669A** [no description available]  
**ENG 669B** [no description available]  
**ENG 669C** [no description available]  
**ENG 669E** [no description available]  
**ENG 669F** [no description available]  
**ENG 669G** [no description available]  
**ENG 669J** [no description available]  
**ENG 685D** [no description available]  
*GRADUATE COURSES TO BE DELETED—CONTINUED.*  
**ENG 687A** [no description available]

**ENG 687B [no description available]**

**ENG 687C [no description available]**

**ENG 687D [no description available]**

**ENG 687E [no description available]**

**ENG 792F [no description available]**

**COLLEGE OF ARTS AND SCIENCES: Geology**

**GEO 541L [no description available]**

**GEO 551L [no description available]**

**GEO 552L [no description available]**

**GEO 560 [no description available]**

**GEO 563L [no description available]**

**GEO 573 [no description available]**

**GEO 575L [no description available]**

**GEO 584 [no description available]**

**GEO 605 [no description available]**

**GEO 606 [no description available]**

**GEO 632L [no description available]**

**GEO 638 [no description available]**

**GEO 639 [no description available]**

**GEO 640 [no description available]**

**GEO 666A [no description available]**

**GEO 683 [no description available]**

*GRADUATE COURSES TO BE DELETED—CONTINUED.*

**GEO 705** [no description available]

**COLLEGE OF ARTS AND SCIENCES: Geography**

**GEOG 605** [no description available]

**GEOG 638** [no description available]

**GEOG 640** [no description available]

**GEOG 682** [no description available]

**GEOG 683** [no description available]

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

**GERM 500** [no description available]

**GERM 505** [no description available]

**GERM 506** [no description available]

**GERM 507** [no description available]

**GERM 561** [no description available]

**GERM 562** [no description available]

**GERM 564** [no description available]

**GERM 567** [no description available]

**GERM 571** [no description available]

**GERM 576** [no description available]

**GERM 585** [no description available]

**GERM 587** [no description available]

**GERM 607** [no description available]

**SPAN 690** [no description available]

*GRADUATE COURSES TO BE DELETED—CONTINUED.*

**COLLEGE OF ARTS AND SCIENCES: Life Sciences**

**LIFS 537** [no description available]

**LIFS 537L** [no description available]

**LIFS 541L** [no description available]

**LIFS 551L** [no description available]

**LIFS 634L** [no description available]

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

**PSCI 512** [no description available]

**PSCI 527** [no description available]

**PSCI 528** [no description available]

**PSCI 529** [no description available]

**PSCI 530** [no description available]

**PSCI 531** [no description available]

**PSCI 533** [no description available]

**PSCI 534** [no description available]

**PSCI 592** [no description available]

**PSCI 643** [no description available]

**PSCI 644** [no description available]

**PSCI 656** [no description available]

**PSCI 661** [no description available]

**PSCI 662** [no description available]

**PSCI 666** [no description available]

**PSCI 667** [no description available]

*GRADUATE COURSES TO BE DELETED—CONTINUED.*

**COLLEGE OF ARTS AND SCIENCES: Psychology**

**PSY 590A** [no description available]

**PSY 590B** [no description available]

**PSY 590F** [no description available]

**PSY 690D** [no description available]

**PSY 690E** [no description available]

**PSY 690M** [no description available]

**PSY 690O** [no description available]

**PSY 690P** [no description available]

**PSY 690Q** [no description available]

**PSY 690R** [no description available]

**PSY 690S** [no description available]

**COLLEGE OF ARTS AND SCIENCES: Sociology**

**SOC 542** **Small-Group Dynamics--3 hours.** Social interaction and social processes in the small-group context, group norms, conformity, behavioral change, formal and informal structures, communication networks, leadership patterns, and group interaction processes. Prerequisite: 6 hours of sociology or consent of instructor.

**SOC 547** **Social Attitude Theory and Measurement--3 hours.** Attitude as a basic construct in social psychology, basic properties of an attitude, techniques of attitude measurement, and the selection and use of appropriate measures. Prerequisite: 6 hours of sociology or consent of instructor.

**SOC 552** **Sociology of Communication--3 hours.** The role of communication in social interaction and change. Among topics discussed are group, structure, mass

media, opinion leadership, and diffusion of innovations. Prerequisite: 6 hours of sociology or consent of instructor.

**SOC 559** [no description available]

**SOC 568** **Education and Modern Society--3 hours.** The sociological analysis of the role of education in modern society, as an agent of socialization, and a force in social change. Relations with other social institutions are studied as are cross-cultural comparisons. Prerequisite: 6 hours of sociology or consent of instructor.

*GRADUATE COURSES TO BE DELETED—CONTINUED.*

**SOC 655** **Seminar in Social Psychological Research--3 hours.** Critical examination of selected contemporary research in social psychology. Includes methodological problems in social-psychological research, the substantive content, and the selection and conceptualization of research problems in social psychology. Basic and applied research examined. Prerequisites: 381, 601, or consent of instructor.

**SOC 670** **Seminar in Urban Theory and Research--3 hours.** Review and analysis of selected areas of urban theory and research. The nature of urban process and structure is examined in the light of sociological theories with special reference to characteristics of urbanization, special structure, and arrangement of urban places and regions, demographic structure and vital processes, stratification, institutional structures and organization, problems of urban personality and participation, and comparative urban research. Topics selected vary from year to year. Students should consult the Department Chairperson for the area to be covered in a particular semester. Prerequisite: 9 hours of sociology or consent of instructor.

**SOC 671** **Urban Research Methods --3 hours.** Techniques of collection and interpretation of quantitative data geared to the explanation of urban and regional phenomena with emphases on demographic and ecological analysis. Prerequisite: 9 hours of sociology or consent of instructor.

**SOC 672** **Seminar in Sociology of Education--3 hours.** The function of the school in the socialization of youth--both its formal and informal aspects. The key leadership role of the teacher in the educational process and the impact of both institutional and community forces on the role expectations that help define this position. Prerequisite: 6 hours of sociology or consent of instructor.

**SOC 680** **Urban-Regional Analysis I--3 hours.** Interdisciplinary approaches to the content, theory, and techniques of urban-regional development, planning, and policy formation. (Also listed as Urban-Regional Studies 680.)

**SOC 681** **Urban-Regional Analysis II--3 hours.** Continuation of and companion course to 680. (Also listed as Urban-Regional Studies 681.)

**SOC 682 Urban-Regional Studies Seminar I--1 hour.** Research project related to the course content of 680. Normally taken concurrently with 680. (Also listed as Urban-Regional Studies 682.)

**SOC 683 Urban-Regional Studies Seminar II--1 hour.** Research project related to the course content of 681. Normally taken concurrently with 681. (Also listed as Urban-Regional Studies 683.)

*GRADUATE COURSES TO BE DELETED—CONTINUED.*

**SOC 684 Sociology and Modern Systems Theory--3 hours.** The definition and analysis of social phenomena in the language of modern systems theory. Evolution of modern systems models; the issues of equilibrium, causation, boundaries, and the ethical commitments involved in their use; systems in deviance, power, and feedback control of social goal-seeking, and group goals; power and bureaucracy. Prerequisite: 9 hours of sociology or consent of instructor.

**SOC 692U Internship in Urban-Regional Studies--6 hours.** Directed employment in an agency or firm engaged in urban-regional development, planning, or policy formation in an area of the student's background and interest. (Also listed as Urban-Regional Studies 684).

**COLLEGE OF TECHNOLOGY: Aerospace Technology**

**AST 525 [no description available]**

**AST 573 [no description available]**

**AST 573A [no description available]**

**AST 573B [no description available]**

**AST 573C [no description available]**

**AST 603C Topics and Experiences in Electronics and Computer Technology (A-Z)--1-3 hours.** Experiences selected or designed to provide understanding and experiences with electronics technology as it functions in our society: a-Manufacturing, b-Service, c-Construction, d-Industrial Communication.

**COLLEGE OF TECHNOLOGY: Manufacturing and Construction Technology**



- MCT 519A Special Problems in Construction Technology- 2-3hours.** Problems growing from the needs of the student and approved by the instructor.
- MCT 521 Tool and Diemaking--3 hours.** The making of basic tools. Fabrication of simple jigs, fixtures, dies, and molds. Prerequisite: 321.
- MCT 522 [no description available]**
- MCT 529A Special Problems in Metal Technology-2-3 hours.** Problems growing from the needs of the student and approved by the instructor. Prerequisite: consent of instructor.
- MCT 552 Graphic Arts Estimating--3 hours.** Principles and procedures in estimating the cost of printing. Analysis of specifications, cost data, and cost reduction through selection of methods, materials, and scheduling.
- GRADUATE COURSES TO BE DELETED—CONTINUED.*
- MCT 553 Trends in Graphic Arts--3 hours.** Technological developments, work standards utilization, and plant layout and their relationship to the products and processes of the graphic arts.
- MCT 559A Special Problems in Printing Technology- 1-3 hours.** Problems growing from the needs of the student and approved by the instructor.
- MCT 593A Construction, Manufacturing, or Printing Technology Workshop- 1-3 hours.** The content of each workshop will relate to the new and current developments in the various technological areas.

## **CORRECTIONS**

\*\*\*The following is a correction of the text that appeared in the February 14, 2005 issue of *Academic Notes*. *The corrected portion is shown in [bold and italics].*

### **PROGRAM REVISION**

**COLLEGE OF ARTS AND SCIENCES  
AFRICAN AND AFRICAN AMERICAN STUDIES  
MAJOR AND MINOR PROGRAMS**

*NEW CATALOG COPY*

**African and African American Studies Major (39 semester hours)**

**Required courses (18 hours):** African and African American Studies 113--3 hrs.; 212--3 hrs.; 222--3 hrs.; 312--3 hrs.; 390--3 hrs.; 486--3 hrs.

**Electives (21 hours):** Select 21 additional hours in African and African American Studies, with at least 9 hours from among courses at the 300-400 level. 12 hours must be directed electives approved by the student's advisor. African and African American Studies [ 250 ] may only be repeated twice for credit toward the major.

#### **African and African American Studies Minor (24 semester hours)**

**Required courses (18 hours):** African and African American Studies 113--3 hrs.; 212--3 hrs.; 222--3 hrs.; 312--3 hrs.; 390--3 hrs.; 486--3 hrs.

**Electives (6 hours):** Select 6 additional hours in African and African American Studies, with at least 3 hours from among courses at the 300-400 level and approved by the student's advisor.

*Preferred Effective Term: Fall 2005*