



Academic Notes

FEBRUARY 28, 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.

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 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 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

<u>Deadline for Items</u>	<u>Issue Date</u>
March 2	March 7
March 9*	March 14*
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

¹ Due to holidays, the dates for submission and publication have been moved up or back a day.

FACULTY GOVERNMENT

ADMINISTRATIVE AFFAIRS COMMITTEE

The Administrative Affairs Committee of the Faculty Senate will meet Friday, March 3, 2005 at 3 p.m. in Root Hall A237.

AGENDA

- I. Approval of Minutes #7 (2-11-05)
- II. Chair Report
- III. Exec. Comm. Liaison Report
- IV. Professional Satisfaction Survey
- V. Academic Calendar 2007-08
- VI. Administration / Faculty Count
- VII. Center for Community Engagement - Update
- V. Old Business
- VI. New Business

THESES, DISSERTATIONS, & RESEARCH PROJECTS

COLLEGE OF ARTS AND SCIENCES: Psychology

Randy Halberda will defend his dissertation, entitled *Mixing Motives: The Relationship Between College Students' Helping Behaviors and Alcohol Use*, at 12:15 p.m. on Wednesday, March 9, 2005 in Root Hall, Room B-236. The members of his committee are Dr. Thomas J. Johnson, chairperson, Dr. Michael Murphy, Dr. June Sprock, and Dr. Lee Ann Kaskutas.

COLLEGE OF EDUCATION: Educational Leadership, Administration, and Foundations

Sandra Weaver Hess will defend her dissertation, entitled *Superintendents' and School Board Presidents' Commitment to Selected Performance Component*, at 9:00 a.m. on Friday, March 11, 2005 in the College of Education, Room 1014. The members of her committee are Dr. Brad Balch, chairperson, Dr. Greg Ulm, and Dr. Steve Yager.

Rita Worrall will defend her dissertation, entitled *Effect of Faculty Attributes on the Provision of Academic Accommodations for Learning Disabled Students*, at 10:00 a.m. on Monday, March 14, 2005 in the College of Education, room 1203. The members of her committee are Dr. Gregory Ulm, chairperson, Dr. Robert Boyd, and Dr. David Worley.

Kathleen Sherman will defend her dissertation, entitled *Principals' Strategies for Raising Achievement Test Scores, Improving Conditions for Student Learning, Conducting Curriculum Alignment, and Complying with Systemic Accountability*, at 9:00 a.m. on Wednesday, March 23, 2005 in the College of Education room 1203. The members of her committee are Dr. Robert Boyd, chairperson, Dr. Gregory Ulm, and Dr. Noble Corey.

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:

Danville Area Community College
AAS in Electronic Technology to BS in Electronics Technology
Final 2/10/2005

UNDERGRADUATE PROPOSALS

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

UNDERGRADUATE PROPOSALS: Course Revisions – continued.

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

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

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

GRADUATE PROPOSALS

PROGRAM REVISIONS

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:

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.

Proposed 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.

GRADUATE PROPOSALS: Program Revisions- Certificate of Advanced Study – continued.

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: Spring 2005

**COLLEGE OF EDUCATION
EDUCATIONAL LEADERSHIP, ADMINISTRATION, AND FOUNDATIONS
PH.D. IN EDUCATIONAL ADMINISTRATION**

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 Ph.D. 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.

Current Catalog Copy:

Ph.D. Degree Program in Educational Administration (72 semester hours minimum)

The program in educational administration leading to the Doctor of Philosophy degree is designed to prepare selected persons for leadership roles in public school administration, college teaching and research, college and university administration, and governmental and industrial positions requiring competencies relevant to educational administration and research.

To be admitted to the program, the applicant must have held a valid teaching license, possess a master’s degree, or have completed an academic discipline of 18 hours at the graduate level.

A **minimum** of 72 hours of graduate work beyond the bachelor’s degree is required in addition to the successful completion of a doctoral dissertation as prescribed in the regulations of the School of Graduate Studies.

Specialization in School Administration

A. Foundational Studies (a minimum of 15 hours)

To develop competencies through understanding of contributions from philosophical, sociological, historical, psychological, and research foundations of education.

B. Educational Administration (a minimum of 36 hours)

To develop a knowledge and understanding in educational administration, including curriculum and supervision. The student may choose to develop a highly specialized knowledge and competency in such areas of educational administration as school finance and business management, school plant planning, school law, and the administration of higher education.

C. Ph.D. Core in Theory and Research in Educational Administration (a minimum of 12 hours)

To develop competencies and breadth of understanding in the application of theory and research the student must complete the following core in theory and research in educational administration:

Theory in Educational Administration, Research in Educational Administration, Statistical Methods, plus selected electives with an orientation in theory or research. Exemplary courses: Inferential Statistics, Research Seminar in Educational Law, Qualitative Research.

The program utilizes the use of distant learning, independent study, field experiences, and internships. The final program for each student will be developed by the student and the committee and will be based on background, interests, needs, and goals.

An alternative Wednesday Residency Program has been established for qualified Ph.D. students in the department. The residency will consist of course work to be offered on Wednesday during the fall and spring academic terms. In addition to educational administration courses, curricular experiences will be provided in statistical methods, and in foundations of modern education and educational thought. Students must enroll in both academic terms within the same academic year and must be prepared to commit to this campus experience all day each Wednesday of the academic year. The “residency” component of this Ph.D. program will serve as a culminating experience with regard to educational administration course work and will precede data collection and completing of the dissertation.

Specialization in Leadership in Higher Education

The Ph.D. program in educational administration with an emphasis on leadership in higher education is a blend of scholar/practitioner understandings and skills necessary in leading institutions of higher education. The program is designed for post-masters students and requires 45 semester hours of graduate work beyond a masters degree to be completed at ISU and successful completion of the dissertation as prescribed in the regulations of the School of Graduate Studies. Students are admitted into a doctoral cohort and commit to completion of the curriculum, as a cohort, over a two-year period.

Students selecting the specialization in leadership in higher education must complete a minimum of 72 credit hours of graduate work distributed over three core areas and including the following courses:

A. Basic Core (18 hours minimum)

Educational Leadership, Administration, and Foundations 687--3 hrs.; 708--3 hrs.; 752--3 hrs.; 755--3 hrs.; 760--3 hrs.; and 761--3 hrs.

B. Internship Core (6 semester hours taken over a two-semester period)

Educational Leadership, Administration, and Foundations 891--6 hrs.

C. Advanced Core (21 hours minimum)

Educational Psychology 612--3 hrs.; 712--3 hrs.; Educational Leadership, Administration, and Foundations 686--3 hrs.; 763--3 hrs.; 806--3 hrs.; 850--3 hrs.; and 859--3 hrs.

Admission to Programs

A student must satisfy all general regulations of the School of Education and the School of Graduate Studies as stated elsewhere in this *Catalog*. An additional admission criterion for the Ph.D. in Educational Administration requires the applicant to have a grade point average of 3.50 or above on all graduate work attempted. It must not be assumed that meeting minimal standards guarantees admission to the program. The admissions committee must have the following materials before an admission decision will be made:

1. Completed application form.
2. Letters of recommendation from at least five persons who know the prospective student in a personal, and/or academic, and/or professional capacity.
3. **One** official transcript from each school at which any undergraduate or graduate work has been done.
4. Scores on Graduate Record Examinations General Tests.
5. A detailed narrative highlighting the applicant's personal and professional contributions to leadership in education.

The admissions committee may require the applicant to appear for a personal interview and to present evidence of his or her ability to write acceptable prose under controlled conditions.

Admission to Candidacy

Students may apply for admission to candidacy after any provisions or conditions that may have been attached to admission to the program have been removed. Additionally, all the standards of the School of Graduate Studies must be met. Refer to that section of this *Catalog* for details.

Dissertation

An acceptable dissertation on a topic or problem relating to the student's area of specialization is required for completion of degree requirements.

Proposed Catalog Copy:

Ph.D. Degree Program in Educational Administration (72 semester hours minimum)

The program in educational administration leading to the Doctor of Philosophy degree is designed to prepare selected persons for leadership roles in public school administration, college teaching and research, college and university administration, and governmental and industrial positions requiring competencies relevant to educational administration and research.

To be admitted to the program, the applicant must have held a valid teaching license, possess a *GRADUATE PROPOSALS: Program Revisions - Ph.D. Educational Administration – continued.*

master's degree, or have completed an academic discipline of 18 hours at the graduate level.

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GRADUATE PROPOSALS: Program Revisions - Ph.D. Educational Administration – continued.

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2. Letters of recommendation from at least three persons who know the prospective student in a personal, and/or academic, and/or professional capacity.
3. **One** official transcript from each school at which any undergraduate or graduate work has been done.
6. Scores on Graduate Record Examinations General Tests.
7. A detailed narrative highlighting the applicant's personal and professional contributions to leadership in education.

The admissions committee may require the applicant to appear for a personal interview and to present evidence of his or her ability to write acceptable prose under controlled conditions.

Admission to Candidacy

Students may apply for admission to candidacy after any provisions or conditions that may have been attached to admission to the program have been removed. Additionally, all the standards of the School of Graduate Studies must be met. Refer to that section of this *Catalog* for details.

Dissertation

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Preferred Effective Term: Fall 2005

UNDERGRADUATE APPROVALS

NEW COURSE

COLLEGE OF ARTS AND SCIENCES: Art

ARTP 495 Art Internship--3-6 hours. Practical field experience in an area of art or design. Students must follow the guidelines for internships as established by the Department of Art. The number of credits will be determined in consultation with the advising faculty member.

Preferred Effective Term: Summer I 2005

COURSE REVISION

COLLEGE OF ARTS AND SCIENCES: Art

ARTS 317 Drawing III--3 hours. A visual investigation into various traditional and non-traditional ideas, techniques, and materials in drawing. Emphasis on the development of the personal iconography of the student. Prerequisite: 316 or consent of instructor.

Change description, title, and prerequisites to:

ARTS 317 Drawing III: Figure Drawing--3 hours. Development and refinement of figure drawing skills and the conceptual concerns that pertain to the use of the human form through various drawing media, prerequisite: ARTS 215

Preferred Effective Term: Summer I 2005

COLLEGE OF ARTS AND SCIENCES: Humanities

HUM 190 Introduction to Religion--3 hours. An introduction to the academic study of religion, involving definitions, methods of exploring the subject, and analyses of representative topics or problems. General Education Credits [GE89: C1,D1,E1; GE2000: Literary, Artistic, and Philosophical Studies-Elective]

Change Prefix to:

REL 190 Introduction to Religion--3 hours. An introduction to the academic study of religion, involving definitions, methods of exploring the subject, and analyses of representative topics or problems. General Education Credits [GE89: C1,D1,E1; GE2000: Literary, Artistic, and Philosophical Studies-Elective]

Preferred Effective Term: Summer I 2005

HUM 250 World Religions--3 hours. The systems of thought, classical writings, and institutional expressions of Hinduism, Buddhism, Confucianism, Taoism, Judaism, Christianity, and Islam are surveyed. General Education Credits [GE89: D1,E2; GE2000: Multicultural Studies-International Cultures]

Change Prefix to:

UNDERGRADUATE APPROVALS: Course Revisions – REL 250 continued.

REL 250 World Religions--3 hours. The systems of thought, classical writings, and institutional expressions of Hinduism, Buddhism, Confucianism, Taoism, Judaism, Christianity, and

Islam are surveyed. General Education Credits [GE89: D1,E2; GE2000: Multicultural Studies-International Cultures]

Preferred Effective Term: Summer I 2005

HUM 351 **History of Western Religions I**--3 hours. Major Western religions: Judaism, Early Christianity to St. Augustine, and Islam. (Also listed as History 341.) General Education Credits [GE89: D2,E1]

Change Prefix to:

REL 351 **History of Western Religions I**--3 hours. Major Western religions: Judaism, Early Christianity to St. Augustine, and Islam. (Also listed as History 341.) General Education Credits [GE89: D2,E1]

Preferred Effective Term: Summer I 2005

HUM 352 **History of Western Religions II**--3 hours. Western religions from St. Augustine to the present time, with an emphasis on the period since 1500. (Also listed as History 342.) General Education Credits [GE89: D2,E1]

Change Prefix to:

REL 352 **History of Western Religions II**--3 hours. Western religions from St. Augustine to the present time, with an emphasis on the period since 1500. (Also listed as History 342.) General Education Credits [GE89: D2,E1]

Preferred Effective Term: Summer I 2005

HUM 353 **History of Eastern Religions: India**--3 hours. Religious systems of India from their beginnings to the modern period. (Also listed as History 343.) General Education Credits [GE89: D1,E2; GE2000: Multicultural Studies-International Cultures]

Change Prefix to:

REL 353 **History of Eastern Religions: India**--3 hours. Religious systems of India from their beginnings to the modern period. (Also listed as History 343.) General Education Credits [GE89: D1,E2; GE2000: Multicultural Studies-International Cultures]

Preferred Effective Term: Summer I 2005

HUM 354 **History of Eastern Religions: The Far East**--3 hours. Major religious systems of East Asia: Taoism, Confucianism, Buddhism, and Shinto. (Also listed as History 344.) General Education Credits [GE89: D1,E2; GE2000: Multicultural Studies-International Cultures]

Change Prefix to:

REL 354 **History of Eastern Religions: The Far East**--3 hours. Major religious systems of East Asia: Taoism, Confucianism, Buddhism, and Shinto. (Also listed as History 344.) General Education Credits [GE89: D1,E2; GE2000: Multicultural Studies-International Cultures]

Preferred Effective Term: Summer I 2005

UNDERGRADUATE APPROVALS: Course Revisions - continued.

***HUM 416 Religion in American History and Culture**--3 hours. Major systems of thought, pivotal figures, and primary movements in the American religious heritage. Some attention is given to the impact of religion on politics, literature, and the arts. (Also listed as History 443 and as African and African American Studies 463.)

Change Prefix to:

***REL 416 Religion in American History and Culture**--3 hours. Major systems of thought, pivotal figures, and primary movements in the American religious heritage. Some attention is given to the impact of religion on politics, literature, and the arts. (Also listed as History 443 and as African and African American Studies 463.)

Preferred Effective Term: Summer I 2005

**Course has a graduate level equivalent*

***HUM 496 Modern Religious Thought**--3 hours. The present theological scene in the West and its background since 1900: Liberalism, Neoorthodoxy, and secular theology. Prerequisite: previous work in history of religions or philosophy, or consent of instructor.

Change Prefix to:

***REL 496 Modern Religious Thought**--3 hours. The present theological scene in the West and its background since 1900: Liberalism, Neoorthodoxy, and secular theology. Prerequisite: previous work in history of religions or philosophy, or consent of instructor.

Preferred Effective Term: Summer I 2005

**Course has a graduate level equivalent*

***HUM 498 Seminar in the Study of Religion**--3 hours. Topics vary from term to term, and course may be repeated for credit as subject changes.

Change Prefix to:

***REL 498 Seminar in the Study of Religion**--3 hours. Topics vary from term to term, and course may be repeated for credit as subject changes.

Preferred Effective Term: Summer I 2005

**Course has a graduate level equivalent*

COLLEGE OF ARTS AND SCIENCES: Physics

PHYS 101 Introduction to the Physical Sciences--3 hours. Lectures, recitations, demonstrations, and selected laboratory experiments in the physical sciences. Open to all students except those majoring in a physical science. Prerequisite: concurrent enrollment in 101L. General Education Credits [*GE89: A3; GE 2000: Scientific and Mathematical Studies-Foundational*]

Change description to:

PHYS 101 Introduction to the Physical Sciences--3 hours. A conceptual introduction to the physical sciences and the process of scientific inquiry. Open to all students except those majoring in a physical science. This course is designed to be taken concurrently with Physics 101L. General Education Credits [*GE89: A3; GE 2000: Scientific and Mathematical Studies-Foundational*]

Preferred Effective Term: Fall 2005

UNDERGRADUATE APPROVALS: Course Revisions – continued.

PHYS 101L Introduction to the Physical Sciences--Laboratory--1 hour. Selected experiments involving concepts developed in 101. Discussion of these experiments forms the foundation of the course. Corequisite: concurrent enrollment in 101. General Education Credits [GE89 A1; GE 2000: Scientific and Mathematical Studies-Foundational]

Change description to:

PHYS 101L Introduction to the Physical Sciences--Laboratory--1 hour. Explores scientific methods and fundamental concepts in the physical sciences with inquiry-based laboratory activities. Corequisite: concurrent enrollment in Physics 101. General Education Credits [GE89 A1; GE 2000: Scientific and Mathematical Studies-Foundational]

Preferred Effective Term: Fall 2005

PHYS 106 General Physics II--3 hours. The sequential continuation of 105, this course includes the topics of light, electricity and magnetism, and atomic and nuclear physics. Corequisite: 105 and concurrent enrollment in 106L. General Education Credits [GE89: A3; GE 2000: Scientific and Mathematical Studies-Elective].

Change description and prerequisites to:

PHYS 106 General Physics II--3 hours. The course is the sequential continuation of 105. The topics include electricity and magnetism, optics, relativity and atomic and nuclear physics. Prerequisites: PH105 and PH105L. Corequisite: concurrent enrollment in 106L. General Education Credits [GE89: A3; GE 2000: Scientific and Mathematical Studies-Elective].

Preferred Effective Term: Fall 2005

***PHYS 461 Laser Physics**--3 hours. Fundamentals of the interaction of electromagnetic radiation with matter, with special emphasis on problems relating to lasers. Topics include: atom-field interaction, stimulated emission, laser theory, specific laser systems, and laser applications. Prerequisite: 396.

Change description to:

***PHYS 461 Laser Physics**--3 hours. Fundamentals of the interaction of electromagnetic radiation with matter, with special emphasis on problems relating to lasers. Topics include: atom-field interaction, stimulated emission, laser theory, specific laser systems, and laser applications. Prerequisite: Physics 215.

Preferred Effective Term: Fall 2005

**Course has a graduate level equivalent*

***PHYS 493 Nuclear Physics**--3 hours. Nuclear reactions, quantum properties, nuclear radiations, radiation detection, instrumentation, statistics in nuclear processes, neutron physics, nuclear structure, and elementary particles. Prerequisites: 396 and concurrent enrollment in 473.

Change description to:

UNDERGRADUATE APPROVALS: Course Revisions – Physics 493 - continued.

***PHYS 493 Nuclear Physics**--3 hours. Nuclear reactions, quantum properties, nuclear radiations, radiation detection, instrumentation, statistics in nuclear processes, neutron physics, nuclear structure, and elementary particles. Prerequisites: Physics 215 and concurrent enrollment in 473.

Preferred Effective Term: Fall 2005

**Course has a graduate level equivalent*

***PHYS 497 Introduction to Quantum Mechanics**--3 hours. An introduction to measurements, the uncertainty principle, solutions to Schrodinger's equation, operators, perturbation theory, the harmonic oscillator, angular momentum, and the hydrogen atom. Prerequisites: 396; Mathematics 333.

Change description to:

***PHYS 497 Introduction to Quantum Mechanics**--3 hours. An introduction to measurements, the uncertainty principle, solutions to Schrodinger's equation, operators, perturbation theory, the harmonic oscillator, angular momentum, and the hydrogen atom. Prerequisites: Physics 215; Mathematics 333.

Preferred Effective Term: Fall 2005

**Course has a graduate level equivalent*

COURSE BANKING

COLLEGE OF ARTS AND SCIENCES: Art

ART 100 Art Appreciation--3 hours. An appreciation of various media and styles used by visual artists, emphasizing art of the modern and contemporary periods. Includes interactive visual art experiences. For non-Department of Art majors. General Education Credits [GE89: C3; GE2000: Literary, Artistic, and Philosophical Studies-Elective]

Preferred Effective Term: Spring 2005

PROGRAM REVISION

COLLEGE OF ARTS AND SCIENCES

PHILOSOPHY

To Create REL Prefix

Summary:

The creation of the REL prefix, housed in the Department of Philosophy, as a designation for Humanities courses in the discipline of religious studies.

Rationale:

As the Humanities Department closes, the College of Arts and Sciences has taken steps to house courses in

the appropriate areas. Thus, all cross-listed courses have been moved to the departments
UNDERGRADUATE APPROVALS: Program Revisions – Philosophy - continued.

in which they were cross-listed. The study of religion courses were banked pending discussion of an appropriate disciplinary home. The College wishes to move these courses to the Philosophy Department. In order to keep the courses distinct, it proposes a separate course prefix REL.

We will not be pursuing a distinct degree program in conjunction with the prefix at this time. A separate proposal to move specific HUM to this prefix is in the process.

New Catalog Copy

Religion (REL)

Preferred Effective Term: Spring 2005

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

Executive Summary:

The Department of African and African American Studies proposes the following changes to its major and minor programs. The requirement for AFRI 286 will be eliminated. AFRI 222 will be a new course of African cultures. The total credit hour requirement for the African and African American Studies major will increase by two to 39 credits; the minor requirement will increase by two to 24 credits. The core curriculum will increase by two to 18 credits. The number of elective credits remains at 21 for the major, and 6 for the minor.

A final area of revision involves the selection of elective courses. In order to ensure that students receive the broadest possible experience within the discipline, the Department will require that 12 of the 21 elective credits in the major be directed electives, chosen by the student in consultation with a Departmental faculty advisor. The remaining 9 elective credits will be open. Departmental faculty members are also currently working on additional course proposals in areas such as African music, the Black Family, and African American Protest traditions. These courses will be added to the choice of available electives as they are approved.

Rationale:

The Faculty in the Department of African and African American Studies has made a number of observations as part of the Student Outcomes Assessment process. First, although the stated intent of the Department in its 2001 report was to provide students with a solid grounding in global African cultures, in reality the Department's offerings in the area of African cultures are limited. Therefore, the Department feels that it is necessary to institute a course dealing directly with this area, analogous to its current AFRI 212 course on African American Cultural Traditions. Secondly, the Faculty feels that the content of the AFRI 286 class can be easily absorbed into an existing course, and that a stand-alone course is not needed. The Department intends to strengthen its core course offerings, particularly in the area of its "research courses"

(AFRI 390 and AFRI 486), and to expand its elective offerings.

UNDERGRADUATE APPROVALS: Program Revisions – African and African American Studies Major and Minor - continued.

**NEW CATALOG COPY
SIDE-BY-SIDE COMPARISON
African and African American Studies Major**

OLD PROGRAM		NEW PROGRAM	
	Credit Hours		Credit Hours
AFRI 113	3	AFRI 113	3
AFRI 212	3	AFRI 212	3
AFRI 286	1	---	---
---	--	AFRI 222	3
AFRI 312	3	AFRI 312	3
AFRI 390	3	AFRI 390	3
AFRI 486	3	AFRI 486	3
	16		18
21 hours from:		21 hours from:*,**	
<i>Elective Courses</i>		<i>Elective Courses</i>	
AFRI 213	3	AFRI 213	3
AFRI 214	3	AFRI 214	3
AFRI 250	1	AFRI 250	1***
AFRI 260	3	AFRI 260	3
AFRI 313	3	AFRI 313	3
AFRI 323	3	AFRI 323	3
AFRI 325	3	AFRI 325	3
AFRI 331	3	AFRI 331	3
AFRI 334	3	AFRI 334	3
AFRI 345	3	AFRI 345	3
AFRI 350	3	AFRI 350	3
AFRI 351	3	AFRI 351	3
AFRI 354	3	AFRI 354	3
AFRI 383	3	AFRI 383	3
AFRI 399	3	AFRI 399	3
AFRI 401	3	AFRI 401	3
AFRI 423M	3	AFRI 423M	3
AFRI 438	3	AFRI 438	3
AFRI 445	3	AFRI 445	3
AFRI 473	3	AFRI 473	3
AFRI 489	3	AFRI 489	3

AFRI 494	3	AFRI 494	3
AFRI 495	3	AFRI 495	3
AFRI 496	3	AFRI 496	3
AFRI 498	3	AFRI 498	3
<i>Recommended Courses</i>		<i>(strike)</i>	
AFRI 243	3	AFRI 243	3
AFRI 340	3	AFRI 340	3
AFRI 385	3	AFRI 385	3
AFRI 423G	3	AFRI 423G	3
AFRI 423S	3	AFRI 423S	3
AFRI 433	3	AFRI 433	3
AFRI 453	3	AFRI 453	3
AFRI 463H	3	AFRI 463H	3
AFRI 463S	3	AFRI 463S	3
AFRI 463S	3	AFRI 463S	3
AFRI 468	3	AFRI 468	3
	21		21
TOTAL	37 hours		39 hours

* 9 hours must be from the 300 or 400 level

** 12 hours directed be directed electives chosen in consultation with an advisor, 9 hours will be free elective

*** Up to three credits may be applied to the major

**NEW CATALOG COPY
SIDE-BY-SIDE COMPARISON
African and African American Studies Minor**

OLD PROGRAM		NEW PROGRAM	
	Credit Hours		Credit Hours
AFRI 113	3	AFRI 113	3
AFRI 212	3	AFRI 212	3
AFRI 286	1	---	---
---	--	AFRI 222	3
AFRI 312	3	AFRI 312	3
AFRI 390	3	AFRI 390	3
AFRI 486	3	AFRI 486	3

		16			18
6 hours from:			6 hours from:		
<i>Elective Courses</i>			<i>Elective Courses</i>		
AFRI 213	3		AFRI 213	3	
AFRI 214	3		AFRI 214	3	
AFRI 250	1		AFRI 250	1***	
AFRI 260	3		AFRI 260	3	
AFRI 313	3		AFRI 313	3	
AFRI 323	3		AFRI 323	3	
AFRI 325	3		AFRI 325	3	
AFRI 331	3		AFRI 331	3	
AFRI 334	3		AFRI 334	3	
AFRI 345	3		AFRI 345	3	
AFRI 350	3		AFRI 350	3	
AFRI 351	3		AFRI 351	3	
AFRI 354	3		AFRI 354	3	
AFRI 383	3		AFRI 383	3	
AFRI 399	3		AFRI 399	3	
AFRI 401	3		AFRI 401	3	
AFRI 423M	3		AFRI 423M	3	
AFRI 438	3		AFRI 438	3	
AFRI 445	3		AFRI 445	3	
AFRI 473	3		AFRI 473	3	
AFRI 489	3		AFRI 489	3	
AFRI 494	3		AFRI 494	3	
AFRI 495	3		AFRI 495	3	
AFRI 496	3		AFRI 496	3	
AFRI 498	3		AFRI 498	3	
<i>Recommended Courses</i>			<i>(strike)</i>		
AFRI 243	3		AFRI 243	3	
AFRI 340	3		AFRI 340	3	
AFRI 385	3		AFRI 385	3	
AFRI 423G	3		AFRI 423G	3	
AFRI 423S	3		AFRI 423S	3	
AFRI 433	3		AFRI 433	3	
AFRI 453	3		AFRI 453	3	
AFRI 463H	3		AFRI 463H	3	
AFRI 463S	3		AFRI 463S	3	
AFRI 463S	3		AFRI 463S	3	
AFRI 468	3		AFRI 468	3	
		6			6

TOTAL	22 hours		24 hours
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*** Up to three credits may be applied to the minor

Preferred Effective Term: Fall 2005

UNDERGRADUATE APPROVALS: Program Revisions – A.A. Liberal Studies – continued.

COLLEGE OF ARTS AND SCIENCES

A.A. LIBERAL STUDIES

CONCENTRATION IN HUMAN INTERACTION AND EXPRESSION

Executive Summary:

Add a Human Interaction and Expression Concentration for the incarcerated population. This curriculum has a tightly defined set of courses appropriate for the concentration.

Rationale:

The curriculum for the incarcerated population requires a tightly defined set of courses that can be delivered by appropriately qualified faculty. Though the students will obtain the Liberal Studies Associate or Arts degree, it is necessary administratively to define this curriculum to DARS as distinct from the on-campus program. The definition or concentration will define the curriculum officially. The catalog copy for the Liberal Studies program will remain unchanged. Students in incarcerated facilities will receive a copy of the defined curriculum, however it will not be published in the catalog, because it will not be open officially to on-campus students in the Liberal Studies program.

Catalog Copy:

Liberal Studies Associate of Art Degree (62 semester hours)

Overall requirements: minimum 62 hours earned, min. 2.20 gpa in emphasis, min. 2.00 cumulative gpa.

Basic Studies (14 semester hours)

Required: English 101--3 hrs.; 105--3 hrs.; Communication 101--3 hrs.; Mathematics 102--3 hrs.; University 101--2 hrs.

*Waiver of Foreign Language

*Waiver of Information Technology

*Waiver of Physical Education

Liberal Studies (24 semester hours)

Required: Geography 111--3 hrs., or Geology 160--3 hrs., or Life Sciences 112--3 hrs. (SMS:F); Geography 111--3 hrs., or Geology 160--3 hrs., or Life Sciences 112--3 hrs., or Family and Consumer Sciences 201--3 hrs. (choose one not already used for SMS:F) (SMS:E); Sociology 100--3 hrs. (SBS:F); Psychology 101--3 hrs. (SBS:E); English 219--3 hrs., or 231--3 hrs., or 239--3 hrs. (LAPS:LL); English 130--3 hrs. or Music 233-3 hrs. (LAPS:E); History 201--3 hrs. or 202--3 hrs. (HS); Political Science 107--3 hrs. (MCS: US)

* Waiver of Science Lab

UNDERGRADUATE APPROVALS: Program Revisions – A.A. Liberal Studies – continued.

Concentration in Human Interaction and Expression (24 semester hours)

Required: Art 151--3 hrs. or Art History 271--3 hrs.; History 201--3 hrs. or 202--3 hrs. (whichever was not taken for Liberal Studies); Economics 100--3 hrs.; English 130--3 hrs. or Music 233--3 hrs. (whichever was not taken for Liberal Studies); English 219--3 hrs., or 231--3 hrs., or 239-3 hrs. (whichever was not taken for Liberal Studies); Criminology 150--3 hrs., or 280--3 hrs., or Communication 105--3 hrs.; Psychology 266--3 hrs.; Sociology 220--3 hrs.

Preferred Effective Term: Fall 2005

GRADUATE APPROVALS

COURSE REVISION

COLLEGE OF ARTS AND SCIENCES: English

ENG 792 **Applied English**--3 hours. Supervised experience in applied English. Offered as 792A, Writing Center Administration; 792B, Computer-Assisted Writing Instruction; 792C, Tutoring English as a Second Language; 792D, Editing Professional Journals; and 792E, Editing Technical Publications. May be repeated for credit when topic is different.

Change description to:

ENG 792 **Applied English**--3 hours. Supervised internship in writing, research, administration, tutoring, or other advanced preprofessional activity. May be repeated once for credit when topic is different.

Preferred Effective Term: Summer I 2005

COURSE BANKING

COLLEGE OF ARTS AND SCIENCES: Political Science

PA 604 **Research Methods in Public Administration**--3 hours. Application of social

science research methodology in conducting empirical research in organizational and public policy analysis. Applications of survey research will be emphasized.

Preferred Effective Term: Summer I 2005

COURSE ELIMINATION

COLLEGE OF HEALTH AND HUMAN PERFORMANCE: Recreation and Sport Management

RCSM 673 Planning and Development of Recreation--3 hours. [no description available]

Preferred Effective Term: Fall 2005

CORRECTIONS

The following is a correction of the text that appeared as an **APPROVAL** on page 11, in the October 4, 2004 issue of *Academic Notes*. ***Two of Technical Courses in the Catalog description were left out. The corrected portion is shown in ***[bold-italics within bold-italic brackets]***.

UNDERGRADUATE APPROVALS

PROGRAM REVISION

SCHOOL OF TECHNOLOGY

Mechanical Engineering Technology

Old Title: Mechanical Design Technology D940 should be made inactive

Change to: Mechanical Engineering Technology Major Code needs to be assigned

Executive Summary:

The purpose of the proposed modification is to make the existing curriculum and program more responsive to the rapid changes of technology and the needs of industries, particularly to satisfy the increasing needs of the US industries for engineering technology professionals, to provide students with more flexibility and career options to meet their educational and professional development needs, and to increase the program's recognition and enhance its strategic strength in the competition of higher education market. The program title will be changed from "Mechanical Design Technology (MDT)" to "Mechanical Engineering Technology (MET)". The modified curriculum will not change the total credit hours required (124) for graduation, nor require any new courses to be developed. Only two existing courses need minor modification (IMT404 and IMT405, see Attachment A and B for comparison). The curriculum structure is re-arranged in five parts (Attachment B): required technical courses (48 hrs.), technical electives (6 hrs), management electives (6 hrs), basic science and mathematics (24 hrs), and other general education requirements. As indicated in Attachment C, the existing MDT curriculum has already been very similar to that of a typical nationally accredited mechanical design engineering technology program. Therefore the

effort to implement the proposed revision would not be significant. Specific objectives include:

(1) revise the current curriculum to emphasize the ability and skill in practical problem solving for engineering technology applications, especially in the mechanical design area; (2) develop a “closer” or more effective partnership with local/regional industries through the implementation of the proposed modification to create more opportunities for students to enhance their skill and experiential learning through the activities of the partnership, such as co-op, internship, contests, and collaborative research and development projects; (3) develop better articulation programs with local and regional high-schools and technical colleges through proposed changes to meet their needs for flexibility and career options. The clientele to be served by the modified program includes “traditional” students (e.g. high school graduates), in-service professionals, and transfer students; and (4) increase out-of-state enrollment by drawing more non-Indiana residents including international students into the program to generate more revenue and establish a nationwide and worldwide recognition. Given a globally popular recognition and increasingly demanding needs for engineering

CORRECTIONS: Program Revisions: Mechanical Engineering Technology- continued

technology professionals (e.g. as predicted by the US Department of Labor, there will be more than 2.5 millions ET positions from now to 2010), the modified program will attract more students to significantly increase its enrollment, from local/regional areas as well as other countries. A number of local employers and students (including graduates) have voiced their strong interest and support for an engineering technology curriculum at ISU. In the last annual meeting (2003) of MDT Industry Advisory Committee, all members unanimously agreed to support the initiative for launching this program modification (see Attachment F). Anticipated career outcomes include professionals such as engineers, technologists, specialists, and technical managers. The modification will also allow more flexibility for the program to pursue additional or more appropriate accreditation to improve its national and international recognition. This is an additional strategic advantage to promote the program to maximize the benefits to our customers: students and industry employers.

Rationale:

The rapid advancement of technological development and overall steady growth of economy in the United States has caused a continuous need for technical professionals, including engineers and technologists. It has been predicted that by the year of 2010, more than 2.5 millions engineering and engineering technology jobs will be created in the United States. These positions require strong technical skill and experience in addition to theoretical understanding (US Department of Labor). A recent study by the National Science Board and the Bureau of Labor Statistics (2003) showed that there has been a shortage of US graduates from engineering and engineering technology, and the demands for this type of professional will increase three times faster than all job categories this decade. It is critical for any institution of higher education to notice this huge market need and to participate in the competition to satisfy the need. On the other hand, as rapid and remarkable revolutions are made in technological advancement (e.g. affordable computing powers, fast-growing information technology, higher level of system integration), the gap between traditional concepts of “engineering” and “technology” has been significantly narrowed. This is characterized by a two-way changes: engineering tasks require more skill development and hands-on experience due to the revolution of “tools”, while technology needs more understanding of the tool and applications due to the technological advancement and increased sophistication of modern technical systems. This transition has resulted in a rapid development of engineering technology programs nationwide, which

has been welcomed, not only by students, but also by industries, military and other governmental or social sectors (e.g. see Attachment E for a list of local/regional employers who have expressed strong support to this modification). In fact, in many states, the nationwide popular Professional Engineer (PE) Exam requires candidates be prepared through engineering technology programs. Many potential students and their parents are aware of this and looking for such programs. Many high schools (e.g. Terre Haute South, Green Castle High) have established pre-engineering technology curriculum/program for their students and are looking for universities that would “articulate” with their efforts. It would be a strategic mistake if any institution ignores these developments. In fact, the existing MDT program has already been very similar to a typical nationally accredited mechanical design engineering technology program (see attachment C for comparison), and most of our recent graduates employed in the manufacturing industries have been working as engineers of various kinds. This modification will not only open more career options for our students, but also help them to gain better job recognition and benefits commensurate with their academic preparation. This is very important for students to establish themselves in their professional career. The School of

CORRECTIONS: Program Revisions: Mechanical Engineering Technology- continued

Technology (SOT) as well as the IMT department have set their mission to embrace the advancement of technology and strike for educational excellence through continuous improvement of its curricula and programs to reflect changes of technology and satisfy students and industry needs. This modification will help the department (also the college and the university) in following aspects: (1) position itself with strategic advantage in the long run; (2) significantly increase enrollment by attracting broader interests of potential students; (3) revitalize the curriculum and program for a better recognized, more diversified and sustained academic development; and (4) expand and enhance partnership with industries and other social sectors.

NEW CATALOG COPY

Old Catalog Description (Mechanical Design Technology)	New Catalog (Mechanical Engineering Technology)
<p>Required courses: Industrial and Mechanical Technology: 103-3hrs.; 130-2hrs.; 203-2hrs.; 215-3hrs.; 302-3hrs.; 306-3hrs.; 329-3hrs.; 403-3hrs.; 405-3hrs.; 406-3hrs.; 408-3hrs.; 413-3hrs.; 430-3hrs. Manufacturing and Construction Technology: 295-3hrs.; 370-3hrs.; 371-3hrs.; 473-3hrs. Electronic and Computer Technology: 160-3hrs. Mathematics: 111-3hrs. or 115-3hrs. or 301-3hrs. Science: Physics 105-3hrs. and 105L-1hr.; Chemistry 100-3hrs. and 100L-1hr. English: 305T-3hrs. Health, Safety, and Environmental Health</p>	<p>Required courses: Technical Courses: IMT 103-3hrs.; 130-2hrs.; 203-2hrs.; 302-3hrs.; 306-3hrs.; 403-3hrs.; [404-3 hrs.]; 405-3hrs.; 406-3hrs.; 408-3hrs.; 413-3 hrs.]; 430-1hrs.; CS151-3hrs.; ECT 160-3hrs.; MCT 370-3hrs.; 371-3hrs.; 468-3hrs. Technical electives: 6 hours from IMT 351-3hrs.; 407-3hrs.; 409-3hrs.; or other courses in packaging, manufacturing, robotics, control and instrumentation; software and information systems. Management electives: 6 hours from MCT471-3hrs.; 473-3hrs.; 478-3hrs.; MGT301-3hrs. Basic Sciences and Mathematics: MATH 115-3hrs.; 122-3hrs.; 301-3hrs.; IMT 215-3hrs.; PHYS105-3hrs. and 105L-1hr.; 106-3hrs. and</p>

<p>Sciences: 212-3hrs. Management electives: 3 hours from Manufacturing and Construction Technology 374-3hrs.; 471-3hrs.; 478-3hrs.; 492-3hrs.; Industrial and Mechanical Technology 48—3hrs.; 483-3hrs. Departmental electives: 8 hours. *Include 17 hours of General Education</p>	<p>106L-1hr.; CHEM 100-3hrs. and 100L-1hr. English: 305T-3hrs. *Include 17 hours of General Education</p>
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Preferred Effective Term: Fall 2004

CORRECTIONS: continued.

******The following course should not have been listed in the course deletion section of the February 14, 2005 Academic Notes. The course should remain active.***

GRADUATE COURSES SCHEDULED FOR ANNUAL DELETION

CHEM 699A [no description available] [should remain active]

******The following course should have been listed in the course deletion section of the February 14, 2005 Academic Notes. It should be deleted.***

CHEM 669A [no description available] [should be deleted]