Academic Notes

June 2, 2008 AN 2007-2008

ARTICULATION AGREEMENTS

Program articulation 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 agreement has recently been approved:

Vincennes University
AS Nursing to BS Nursing for Registered Nurses
5/27/2008

ACADEMIC NOTES PUBLICATION SCHEDULE FOR SUMMER 2008

Below is the circulation schedule for the electronic copy of *Academic Notes* through August 11, 2008. **All submissions for inclusion in Academic Notes are due in the Office of Academic Affairs no later than 10:00 a.m. on the Wednesday prior to the distribution of Academic Notes on the following Monday. Submissions must be in hard copy along with an e-mail, disk, or CD with the same information. The electronic version must be formatted either in Word with pages with signatures scanned and inserted as a picture OR PDF saved as text and image. (Do NOT send PDF just saved as an image.) Information submitted to Academic Notes that is not accompanied by an electronic version or that is incomplete or unusable will be returned to the appropriate office. Academic Notes is available using Acrobat Reader at http://www.indstate.edu/acad-aff/79.html**

ACADEMIC NOTES PUBLICATION SCHEDULE FOR SUMMER 2008

Deadline for Items	Issue Date
June 11	June 16
June 25	June 30
July 9	July 14
July 23	July 28
August 6	August 11

ACALOG NOTE

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

Improved Electronic Catalog

The new electronic version of the undergraduate catalog is posted at http://www.indstate.edu/academics/catalogs.htm. Some advantages of the new format are:

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

If you have questions, please contact Karen Schmid, extension 3662.

THESES, DISSERTATIONS, AND RESEARCH PROJECTS

COLLEGE OF ARTS AND SCIENCES: English

Matthew Burkett will defend his thesis entitled *Conquering the Sublime: Terror and Control in Moby-Dick,* on June 11, 2008, at 1:00 p.m. in Root Hall, room A-237. Members or his committee are: Dr. Matthew Brennan, Chairperson; Dr. Jake Jakaitis, and Dr. Charles Nicol.

COLLEGE OF EDUCATION: Curriculum, Instruction, and Media Technology

Bruce Guggenberger will defend his dissertation entitled *Attitudes of Indiana Special Education Teachers Towards the Use and Implementation of Assistive Technology,* on July 10, 2008, at 1:00 p.m., in the 11th floor conference room #2 of the College of Education. Members of his committee are: Dr. Susan M. Powers, Chairperson; Dr. Feng-Qi Lai, Dr. Kenneth Janz, and Dr. Margaret Corey.

COLLEGE OF EDUCATION: Communication Disorders and Counseling, School, and Educational Psychology

Allison Bradshaw will defend her dissertation entitled *Racial or Ethnic Minority Graduate Students' Experiences of the Multicultural Climate in Counseling Psychology Doctoral Programs,* on June 12, 2008, at 9:30 a.m., in room 1514 of the College of Education. Members of her committee are: Dr. James L. Campbell, Chairperson; Dr. Michele C. Boyer, and Dr. Linda Sperry.

CURRICULUM

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UNDERGRADUATE PROPOSALS

COURSE REVISIONS

CHEM 399 - Introduction to Research Techniques in Chemistry
1-3 credits

Selected problems for laboratory or literature research, designed to expose lower-level chemistry majors to chemical research.

Prerequisite: consent of instructor.

Note:
May not be used as an advanced elective for the chemistry major.
Course Completion
Unless otherwise stated, all chemistry courses require laboratory work.

Change description, remove prerequisites, and add repeatable to:

CHEM 399 - Introduction to Research Techniques in Chemistry
1-3 credits

This course is designed to introduce students to techniques of laboratory and literature research. Projects must be arranged individually with faculty members. Participation in departmental colloquia and seminars is required.
Note: May be repeated unlimited times for credit.
Preferred effective term: Spring 2009

CHEM 431 - Biochemistry I
3 credits

Biochemistry of lipids, carbohydrates, proteins, nucleic acids, and enzymes, with emphasis on structure, function, and analysis.
Prerequisites: 352, and concurrent enrollment in 431L, or consent of instructor.

Change description and prerequisites to:

CHEM 431 - Biochemistry I
3 credits

Biochemistry of lipids, carbohydrates, proteins, nucleic acids, and enzymes, with emphasis on structure, function, and analysis.
Prerequisite: 352
Preferred effective term: Spring 2009

UNDERGRADUATE APPROVALS

NEW COURSES

COLLEGE OF ARTS AND SCIENCES: Biology

BIO 487 – Bioinformatics
3 credits

Provides hands-on training in bioinformatics. Students will acquire the theoretical knowledge and practical skill required to effectively utilize essential network-based bioinformatics programs and databases, typically accessed from standard laptop computers. Training includes experience with high performance parallel computing and an introduction to problem-solving in bioinformatics using the Perl programming language.
Prerequisites: BIO 102, CHEM 106, or consent of instructor.
Note: [Also listed as CHEM 487.] Open to graduate students. Graduate students are required to do additional work of a research nature.
Preferred effective term: Fall 2008

CHEM 487 – Bioinformatics
3 credits

Provides hands-on training in bioinformatics. Students will acquire the theoretical knowledge and practical skill required to effectively utilize essential network-based bioinformatics programs and databases, typically accessed from standard laptop computers. Training includes experience with high performance parallel computing and an introduction to problem-solving in bioinformatics using the Perl programming language.
Prerequisites: CHEM 106, BIO 102, or consent of instructor.
Note: [Also listed as BIO 487.] Open to graduate students. Graduate students are required to do additional work of a research nature.
Preferred effective term: Fall 2008

CHEM 495 - Internship in Chemistry
1-4 credits

Internships of a chemistry nature, intended for juniors and seniors. Students desiring credit for internship work must have the internship approved by the department before enrollment and must agree to requirements for the course. Open to chemistry majors and minors who have completed CHEM 352 and 352L.
Note: Repeatable with approval from department. A maximum of four hours may be counted as advanced electives toward the major.
Preferred effective term: Fall 2008

COURSE REVISIONS

COLLEGE OF ARTS AND SCIENCES: Chemistry

CHEM 340 - Techniques in Inorganic Chemistry
2 hours

A series of laboratory experiments illustrating a variety of synthetic techniques for making and studying inorganic compounds, with a lecture component for discussion of techniques and descriptive chemistry.
Prerequisite: 355 or equivalent.
Note: Unless otherwise stated, all chemistry courses require laboratory work.

Change prerequisites to:

CHEM 340 - Techniques in Inorganic Chemistry
2 credits

A series of laboratory experiments illustrating a variety of synthetic techniques for making and studying inorganic compounds, with a lecture component for discussion of techniques and descriptive chemistry.
Prerequisites: CHEM 352, 352L. CHEM 355 is recommended.
Preferred effective term: Fall 2008

CHEM 400 - Senior Seminar in Chemistry
1 hour

A discussion of general topics in the main sub-disciplines in chemistry. Leading scientific journals and newspapers will be used as resources. Professional activities and responsibilities of chemists are reviewed.
Note
Unless otherwise stated, all chemistry courses require laboratory work.

Change prerequisites to:

CHEM 400 - Senior Seminar in Chemistry
1 credit

A discussion of general topics in the main sub-disciplines in chemistry. Leading scientific journals and newspapers will be used as resources. Professional activities and responsibilities of chemists are reviewed.
Prerequisite: Senior standing (greater than 93 total credits earned.)
Preferred effective term: Fall 2008

CHEM 465 - Survey of Physical Chemistry
4 hours

Basic concepts of thermodynamics, kinetics, and molecular structure, with emphasis on biological applications.
Prerequisite: CHEM 106.
Note:Does not count toward the A.C.S.-Certified chemistry major. Open to graduate students. Graduate students are required to do additional work of a research nature. Unless otherwise stated, all chemistry courses require laboratory work.

Change prerequisites to:

CHEM 465 - Survey of Physical Chemistry
4 credits

A survey of basic gas laws, kinetic molecular theory of gases, thermodynamics, mass transport, electrolyte and non-electrolyte solutions, equilibrium, chemical kinetics, quantum mechanics, and atomic structure. Does not count toward the ACS-certified chemistry major.
Prerequisites: CHEM 106 and 106L; MATH 131; PHYS 106 or 206.
Preferred effective term: Fall 2008

CHEM 499 - Introduction to Research in Chemistry
1-4 hours

Selected problems for laboratory or literature research.
Prerequisite: CHEM 461 or 465.
Note: Consent of instructor must be obtained. Unless otherwise stated, all chemistry courses require laboratory work.

Change to repeatable, description and prerequisites to:

CHEM 499 - Introduction to Research in Chemistry
1-4 credits

This course consists of an original investigative project directed by a faculty member, culminating with a formal presentation and written report. The topic and credit hours must be arranged in advance. Participation in departmental colloquia and seminars is required. It may be repeated for credit.
Preferred effective term: Fall 2008

COLLEGE OF ARTS AND SCIENCES: Criminology and Criminal Justice

CRIM 285 - Introduction to Criminalistics
3 hours

A study of the application of the physical, biological, medical, behavioral, and computer sciences to crime investigation and detection. The use that is made of hairs, fibers, blood stains, paints, scrapings, weapons, polygraphs, voice prints, computers, photography, prints, and chemicals in the detection of crime will be considered.
Prerequisite: CRIM 200 or consent of instructor.

Change number to:

CRIM 385 - Introduction to Criminalistics
3 hours

A study of the application of the physical, biological, medical, behavioral, and computer sciences to crime investigation and detection. The use that is made of hairs, fibers, blood stains, paints, scrapings, weapons, polygraphs, voice prints, computers, photography, prints, and chemicals in the detection of crime will be considered.
Prerequisite: CRIM 200 or consent of instructor.
Preferred effective term: Spring 2009

COLLEGE OF ARTS AND SCIENCES: Physics

PHYS 385 - Topics in Physics
1-3 hours

Topics and hours to be arranged with members of the physics faculty.
Note
Specific course title will be listed when course is scheduled.

Change number and description to:

PHYS 469(A-G) - Topics in Physics
1-3 credits

The study of a selected topic in physics. The course may be repeated for credit when the topic is different.
Preferred effective term: Spring 2009

COLLEGE OF ARTS AND SCIENCES: Physics

PHYS 465 - Selected Topics in Astronomy and Astrophysics
3 hours

Selected topics to cover specialized areas in astronomy and astrophysics. Topics may vary based on current targets of opportunity of interest and will include, but will not be limited to: comets, synthetic light curves of binary stars, celestial mechanics, optics, and stellar physics.
Prerequisites: PHYS 310, 355.
Note: Open to graduate students. Graduate students are required to do additional work.

Change description to:

PHYS 465 - Introduction to Astrophysics
3 credits

A quantitative survey of topics in astrophysics, which typically includes celestial mechanics, radiation, stellar physics, galaxies, gravity, and cosmology.
Prerequisites: PHYS 310, 355.
Note: Open to graduate students. Graduate students are required to do additional work.

COLLEGE OF EDUCATION: Elementary, Early, and Special Education

ELED 485 - Practicum: Working with the Disabled Reader
3 hours

Individual work with a pupil with emphasis on diagnostic and prescriptive teaching techniques. Required in the reading minor after basic reading courses (397 and 398 or their equivalents) have been completed.

Change title to:

ELED 485 – Literacy Intervention Strategies
3 credits

Individual work with a pupil with emphasis on diagnostic and prescriptive teaching techniques.
Prerequisites
Required in the reading minor after basic reading courses (397 and 398 or their equivalents) have been completed.
Preferred effective term: Fall 2008

GRADUATE APPROVALS

COURSE REVISIONS

COLLEGE OF ARTS AND SCIENCES: Political Science

PSCI 699 - Master's Thesis
6 hours

Thesis on research in political science.

Repeatable to a maximum of 6 hours. Change credit hours to:

PSCI 699 - Master's Thesis
1-6 hours

Thesis on research in political science.
Preferred effective term: Fall 2008

COLLEGE OF EDUCATION: Curriculum, Instruction, and Media Technology

CIMT 641 - Networking and Facilities

3 hours

Students will research and design communication networks and facilities that will vary in size from classroom to international levels.

Change description to:

CIMT 641 - Networking and Facilities

3 credits

This course covers the management, design, and support of educational facilities as well as the networking (infrastructure) that ties the learning environment together. The course focuses on the

learning space as a change agent for the learning environment and how student and faculty practice impact learning space design and support.

Preferred effective term: Fall 2008

COLLEGE OF EDUCATION: Elementary, Early, and Special Education

ELED 585 - Practicum: Working with the Disabled Reader

3 hours

Individual work with a pupil with emphasis on diagnostic and prescriptive teaching techniques.
Prerequisites
Required on the reading minor after basic reading courses (Elementary Education 397 and 398 or their equivalents) have been completed.

Change title to:
ELED 585 – Literacy Intervention Strategies

3 credits

Individual work with a pupil with emphasis on diagnostic and prescriptive teaching techniques.
Prerequisites
Required in the reading minor after basic reading courses (397 and 398 or their equivalents) have been completed.

Preferred effective term: Fall 2008

COURSE REACTIVATION

COLLEGE OF EDUCATION: Elementary, Early, and Special Education

SPED 591 - Methods with the Gifted

3 credits

General and specific techniques and methods appropriate for encouraging and motivating development and learning in gifted children.

Preferred effective term: Summer II 2008

CORRECTIONS

The following course, published in Academic Notes as approved on May 19, 2008, did not reflect that the course is repeatable for credit. The correction is reflected in bold and italics.

UNIVERSITY HONORS PROGRAM

GH 199 - Summer Honors Seminar
1-2 credits

Students will be introduced to an exciting academic topic through a combination of classroom lecture and discussion and hands-on learning during a one to two-week course. Topics vary across challenging subjects, from traditional arts and sciences to professional disciplines. ***May be repeated for credit a maximum of four credits.***

The description of NURS 683, published in Academic Notes as approved on April 2, 2007 is being amended to reflect the correct clinical hours. The change is reflected in bold and italics.

COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Nursing

NURS 683 Advanced Clinical Concepts for Nurse Educators
4 credits

Advanced concepts of health promotion, acute interdisciplinary intervention, and restorative health are explored in theory and clinical practice. Knowledge and skills are developed in a specialty area of nursing practice. Three classroom hours and an average of ***3 clinical hours per week.***
Prerequisites: 601 and 605 or consent of the instructor.