# Academic Notes 

## ACADEMIC NOTES PUBLICATION SCHEDULE

## FOR FALL 2008

Below is the circulation schedule for the electronic copy of Academic Notes through December 22, 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.
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## ACADEMIC NOTES PUBLICATION SCHEDULE FOR FALL 2008



November 26
December 3
December 10
December 17

## Issue Date

December 1
December 8
December 15
December 22

## 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


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COURSE REVISIONS

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

## AFRI 399 - Topics in African and African American Studies

## 3 credits

The study of designated topics on African and African American subject areas. Topic and content to be arranged by faculty members involved.
Note: One or more topics may be offered in the same or alternate years.
Change credits to:

AFRI 399 - Topics in African and African American Studies
1-3 credits
The study of designated topics on African and African American subject areas. Topic and content to be arranged by faculty members involved.
Note: One or more topics may be offered in the same or alternate years.
A-F Grading
Preferred effective term: Spring 2009

## COLLEGE OF ARTS AND SCIENCES: Communication

## COMM 470 - Public Relations Campaign Planning

3 credits
The acquisition of professional-level experiences and skills in strategic public relations campaign planning and implementation.
Prerequisites: COMM 329 or consent of instructor.
Change description to:
COMM 470 - Public Relations Campaign Planning
3 credits
The development of a comprehensive strategic communication plan for a client.
Prerequisites: COMM 329 or consent of instructor.
Preferred effective term: Spring 2009

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

## SPAN 301 - Advanced Spanish Grammar

3 credits
An overview of the major points of Spanish grammar. Includes vocabulary building and communicative practice in both oral and written form.

Add prerequisites to:
SPAN 301 - Advanced Spanish Grammar
3 credits
An overview of the major points of Spanish grammar. Includes vocabulary building and communicative practice in both oral and written form.
Prerequisites: SPAN 202 or equivalent.
Preferred effective term: Fall 2009

## SPAN 303 - Readings in Spanish

3 credits
Introduction to literary and cultural readings in Spanish. Add prerequisites to:

## SPAN 303 - Readings in Spanish

3 credits
Introduction to literary and cultural readings in Spanish.
Prerequisites: SPAN 202 or equivalent.
Preferred effective term: Fall 2009

## SPAN 311 - Introduction to Spanish and Spanish American Culture

3 credits

Historical survey of the principal trends of the cultures of Spain and Spanish America.
Add prerequisites to:

## SPAN 311 - Introduction to Spanish and Spanish American Culture

3 credits
Historical survey of the principal trends of the cultures of Spain and Spanish America.
Prerequisites: SPAN 301 or SPAN 303 or equivalent.
Preferred effective term: Fall 2009

## SPAN 312A - Introduction to Spanish Literature

3 credits
Selections of Spanish writers from the Middle Ages to the present.
Add prerequisites to:
SPAN 312A - Introduction to Spanish Literature
3 credits
Selections of Spanish writers from the Middle Ages to the present.
Prerequisites: SPAN 301 or SPAN 303 or equivalent.
Preferred effective term: Fall 2009

## SPAN 312B - Introduction to Spanish American Literature

3 credits
Selection of Spanish American writers from the age of the Conquistadors to the present. Add prerequisites to:

## SPAN 312B - Introduction to Spanish American Literature

3 credits
Selection of Spanish American writers from the age of the Conquistadors to the present.
Prerequisites: SPAN 301 or SPAN 303 or equivalent.
Preferred effective term: Fall 2009

## SPAN 317 - Business and Commercial Spanish

3 credits
Spanish for business and trade; investing, banking, finance, insurance, contracts, legal questions, real estate, export and import, etc.

Add prerequisites to:
SPAN 317 - Business and Commercial Spanish
3 credits
Spanish for business and trade; investing, banking, finance, insurance, contracts, legal questions, real estate, export and import, etc.
Prerequisites: SPAN 301 or SPAN 303 or equivalent.
Preferred effective term: Fall 2009

## SPAN 321 - Advanced Spanish Conversation

3 credits
Advanced work in oral Spanish, with emphasis on developing pronunciation, vocabulary, idioms, listening comprehension, and general fluency.
Note: This course may be taken twice for credit by approval of the major/minor advisor. Add prerequisites to:
SPAN 321 - Advanced Spanish Conversation
3 credits

Advanced work in oral Spanish, with emphasis on developing pronunciation, vocabulary, idioms, listening comprehension, and general fluency.
Prerequisites: SPAN 301 or SPAN 303 or equivalent.
Note: This course may be taken twice for credit by approval of the major/minor advisor. Preferred effective term: Fall 2009

## SPAN 322 - Advanced Spanish Composition

3 credits
Advanced work in written Spanish with emphasis on writing for various purposes. Add prerequisites to:

## SPAN 322 - Advanced Spanish Composition

3 credits
Advanced work in written Spanish with emphasis on writing for various purposes.
Prerequisites: SPAN 301 or SPAN 303 or equivalent.
Preferred effective term: Fall 2009

## SPAN 402 - History of the Spanish Language

3 credits
Evolution of the Spanish language from its beginnings to the present.
Note: Open to graduate students. Graduate students are required to do additional work of a research nature.

Add prerequisites to:

## SPAN 402 - History of the Spanish Language

3 credits
Evolution of the Spanish language from its beginnings to the present.
Prerequisites: SPAN 301 or equivalent.
Note: Open to graduate students. Graduate students are required to do additional work of a research nature.
Preferred effective term: Fall 2009

## SPAN 404 - Spanish Phonetics

3 credits
Study of the formation of speech sounds in the Spanish language. Intensive practice in pronunciation with an emphasis on articulation, rhythm, and intonation. Includes study of dialectal variation and application for language teaching.
Note: Open to graduate students. Graduate students are required to do additional work of a research nature.

Add prerequisites to:

## SPAN 404 - Spanish Phonetics

3 credits
Study of the formation of speech sounds in the Spanish language. Intensive practice in pronunciation with an emphasis on articulation, rhythm, and intonation. Includes study of dialectal variation and application for language teaching.
Prerequisites: SPAN 301 or equivalent.
Note: Open to graduate students. Graduate students are required to do additional work of a research nature.
Preferred effective term: Fall 2009

## SPAN 405 - Spanish Conversation and Civilization

3 credits
Intensive practice in spoken Spanish based on topics dealing with contemporary Spain and South America. Emphasis on current vocabulary.
Note: Open to graduate students. Graduate students are required to do additional work of a research nature.

Add prerequisites to:

## SPAN 405 - Spanish Conversation and Civilization

3 credits
Intensive practice in spoken Spanish based on topics dealing with contemporary Spain and South America. Emphasis on current vocabulary.
Prerequisites: SPAN 301 or SPAN 303 or equivalent.
Note: Open to graduate students. Graduate students are required to do additional work of a research nature.
Preferred effective term: Fall 2009

## SPAN 406 - Contemporary Spanish Culture

3 credits
In-depth analysis of contemporary cultural institutions and developments in Spain.
Note: Open to graduate students. Graduate students are required to do additional work of a research nature.

Add prerequisites to:

## SPAN 406 - Contemporary Spanish Culture

3 credits
In-depth analysis of contemporary cultural institutions and developments in Spain.
Prerequisites: SPAN 301 or SPAN 303 or equivalent.
Note: Open to graduate students. Graduate students are required to do additional work of a research nature.
Preferred effective term: Fall 2009

## SPAN 408 - Advanced Translation in Spanish

3 credits
Systematic translation of contemporary literary, cultural, and technical texts from Spanish into English and from English into Spanish, including analysis of corresponding grammatical, stylistic, and semantic problems.
Note: Open to graduate students. Graduate students are required to do additional work of a research nature.

Add prerequisites to:

## SPAN 408 - Advanced Translation in Spanish

3 credits
Systematic translation of contemporary literary, cultural, and technical texts from Spanish into English and from English into Spanish, including analysis of corresponding grammatical, stylistic, and semantic problems.
Prerequisites: SPAN 301 or equivalent.
Note: Open to graduate students. Graduate students are required to do additional work of a research nature.
Preferred effective term: Fall 2009

## SPAN 410 - Hispanic Caribbean Literature

3 credits
Selections of readings of contemporary authors from Cuba, the Dominican Republic, and Puerto Rico.
Note: Open to graduate students. Graduate students are required to do additional work of a research nature.

Add prerequisites to:

## SPAN 410 - Hispanic Caribbean Literature

3 credits
Selections of readings of contemporary authors from Cuba, the Dominican Republic, and Puerto Rico.
Prerequisites: SPAN 301 and SPAN 303 or SPAN 312A or SPAN 312B or equivalent.
Note: Open to graduate students. Graduate students are required to do additional work of a research nature.
Preferred effective term: Fall 2009

## SPAN 415 - Spanish American Culture

3 credits
Main characteristics of Spanish American history, art, language, and philosophy.
Note: Open to graduate students. Graduate students are required to do additional work of a research nature.

Add prerequisites to:

## SPAN 415 - Spanish American Culture

3 credits
Main characteristics of Spanish American history, art, language, and philosophy.
Prerequisites: SPAN 301 or SPAN 303 or equivalent.
Note: Open to graduate students. Graduate students are required to do additional work of a research nature.
Preferred effective term: Fall 2009

## SPAN 416 - Spanish American Novel

3 credits
From the romantic to the psychological novel.
Note: Open to graduate students. Graduate students are required to do additional work of a research nature.

Add prerequisites to:

## SPAN 416 - Spanish American Novel

3 credits
From the romantic to the psychological novel.
Prerequisites: SPAN 301 and SPAN 303 or SPAN 312A or SPAN 312B or equivalent.
Note: Open to graduate students. Graduate students are required to do additional work of a research nature.
Preferred effective term: Fall 2009

## SPAN 418 - Spanish American Poetry

3 credits
The major poets of Spanish America with an understanding of traditional poetic forms as
manifested in the literature of Spanish America.
Note: Open to graduate students. Graduate students are required to do additional work of a research nature.

> Add prerequisites to:

## SPAN 418 - Spanish American Poetry

3 credits
The major poets of Spanish America with an understanding of traditional poetic forms as manifested in the literature of Spanish America.
Prerequisites: SPAN 301 and SPAN 303 or SPAN 312A or SPAN 312B or equivalent.
Note: Open to graduate students. Graduate students are required to do additional work of a research nature.
Preferred effective term: Fall 2009

## SPAN 424 - Spanish American Drama

3 credits
Drama of the twentieth century emphasizing the contribution of Argentina, Mexico, and Chile.
Note: Open to graduate students. Graduate students are required to do additional work of a research nature.

Add prerequisites to:

## SPAN 424 - Spanish American Drama

3 credits
Drama of the twentieth century emphasizing the contribution of Argentina, Mexico, and Chile.
Prerequisites: SPAN 301 and SPAN 303 or SPAN 312A or SPAN 312B or equivalent.
Note: Open to graduate students. Graduate students are required to do additional work of a research nature.
Preferred effective term: Fall 2009

## SPAN 427 - The Spanish American Short Story

3 credits
The main currents and representative writers of the short story from Romanticism to present.
Note: Open to graduate students. Graduate students are required to do additional work of a research nature.

Add prerequisites to:
SPAN 427 - The Spanish American Short Story
3 credits
The main currents and representative writers of the short story from Romanticism to present. Prerequisites: SPAN 301 and SPAN 303 or SPAN 312A or SPAN 312B or equivalent.
Note: Open to graduate students. Graduate students are required to do additional work of a research nature.
Preferred effective term: Fall 2009

## SPAN 454 - Golden Age Drama and Poetry

3 credits
The verse dramas and poetry which illustrate the dramatic and poetic techniques and currents prevalent in Spain between 1600 and 1700.
Note: Open to graduate students. Graduate students are required to do additional work of a research nature.

Add prerequisites to:

## SPAN 454 - Golden Age Drama and Poetry

3 credits
The verse dramas and poetry which illustrate the dramatic and poetic techniques and currents prevalent in Spain between 1600 and 1700.
Prerequisites: SPAN 301 and SPAN 303 or SPAN 312A or SPAN 312B or equivalent.
Note: Open to graduate students. Graduate students are required to do additional work of a research nature.
Preferred effective term: Fall 2009

## SPAN 456 - Don Quijote

3 credits
A detailed study of Part I and Part II of Miguel de Cervantes' Don Quijote de la Mancha.
Note: Open to graduate students. Graduate students are required to do additional work of a research nature.

Add prerequisites to:

## SPAN 456 - Don Quijote

3 credits
A detailed study of Part I and Part II of Miguel de Cervantes' Don Quijote de la Mancha. Prerequisites: SPAN 301 and SPAN 303 or SPAN 312A or SPAN 312B or equivalent. Note: Open to graduate students. Graduate students are required to do additional work of a research nature.
Preferred effective term: Fall 2009

## SPAN 462 - Instructional Problems in the Teaching of Spanish in Secondary Education

 3 creditsSpecific practical problems in the teaching of the following areas: conversation, grammar, culture, and preparation of additional teaching materials.
Note: Open to graduate students. Graduate students are required to do additional work of a research nature.

Add prerequisites to:

## SPAN 462 - Instructional Problems in the Teaching of Spanish in Secondary Education

 3 creditsSpecific practical problems in the teaching of the following areas: conversation, grammar, culture, and preparation of additional teaching materials.
Prerequisites: SPAN 301 or equivalent.
Note: Open to graduate students. Graduate students are required to do additional work of a research nature.
Preferred effective term: Fall 2009

## SPAN 471 - Spanish Romanticism

3 credits
The concept of Romanticism and its importance in the principal currents of Spanish literature.
Note: Open to graduate students. Graduate students are required to do additional work of a research nature.

Add prerequisites to:

## SPAN 471 - Spanish Romanticism

3 credits
The concept of Romanticism and its importance in the principal currents of Spanish literature. Prerequisites: SPAN 301 and SPAN 303 or SPAN 312A or SPAN 312B or equivalent.
Note: Open to graduate students. Graduate students are required to do additional work of a research nature.
Preferred effective term: Fall 2009

## SPAN 481 - Spanish Prose and Poetry of the Twentieth Century

3 credits
The main currents and representative writers of prose and poetry.
Note: Open to graduate students. Graduate students are required to do additional work of a research nature.

Add prerequisites to:

## SPAN 481 - Spanish Prose and Poetry of the Twentieth Century

3 credits
The main currents and representative writers of prose and poetry.
Prerequisites: SPAN 301 and SPAN 303 or SPAN 312A or SPAN 312B or equivalent.
Note: Open to graduate students. Graduate students are required to do additional work of a research nature.
Preferred effective term: Fall 2009

## SPAN 486 - Contemporary Spanish Novel

3 credits
Studies the important novels of the major Spanish novelists since 1942: Camilo José Cela, Carmen Laforet, Juan Goytisolo, Ana Maria Matute, and Miguel Delibes.
Note: Open to graduate students. Graduate students are required to do additional work of a research nature.

Add prerequisites to:
SPAN 486 - Contemporary Spanish Novel
3 credits
Studies the important novels of the major Spanish novelists since 1942: Camilo José Cela, Carmen Laforet, Juan Goytisolo, Ana Maria Matute, and Miguel Delibes.
Prerequisites: SPAN 301 and SPAN 303 or SPAN 312A or SPAN 312B or equivalent.
Note: Open to graduate students. Graduate students are required to do additional work of a research nature.
Preferred effective term: Fall 2009

## SPAN 487 - Spanish Postwar Theater

3 credits
Plays of the Spanish postwar period, with emphasis on Buero, Sastre, A. Casona, Garcia Lorca,

Alfonso Paso and Ana Diosdado.
Note: Open to graduate students. Graduate students are required to do additional work of a research nature.

Add prerequisites to:

## SPAN 487 - Spanish Postwar Theater

3 credits
Plays of the Spanish postwar period, with emphasis on Buero, Sastre, A. Casona, Garcia Lorca, Alfonso Paso and Ana Diosdado.
Prerequisites: SPAN 301 and SPAN 303 or SPAN 312A or SPAN 312B or equivalent.
Note: Open to graduate students. Graduate students are required to do additional work of a research nature.
Preferred effective term: Fall 2009

## GRADUATE PROPOSALS

## NEW COURSES

## COMM 570 - Public Relations Campaign Planning

3 credits
The development of a comprehensive strategic communication plan for a client.
A-F Grading
Preferred effective term: Spring 2009

## UNDERGRADUATE APPROVALS

## NEW COURSES

COLLEGE OF ARTS AND SCIENCES: Family and Consumer Sciences

FCS 337 - Principles of Food Service Management
3 credits
Basic principles. Includes food service organization, functions, facilities, and management.
A-F Grading
Preferred effective term: Spring 2009

## COURSE REVISIONS

## COLLEGE OF TECHNOLOGY: Technology Management

TMGT 477 - Plant Layout and Material Handling
3 credits
Principles and practices in the development of efficient layouts for plants, warehouses, offices, and other industrial applications.
Prerequisites: 6 credits from 370, 371 or 372, or consent of instructor. Change prerequisites to:
TMGT 477 - Plant Layout and Material Handling
3 credits

# GRADUATE APPROVALS 

## NEW COURSES

## COLLEGE OF ARTS AND SCIENCES: Mathematics and Computer Science

## CS 620 - Advanced Theory of Computation

3 credits.
Turing Machines, The Church-Turing Thesis, Decidability, The Halting Problem, Reducibility, Recursive Function Theory, The Recursion Theorem, Time and Space Complexity, Classes P and NP, NP-completeness.
Prerequisites: CS 420.
A-F Grading
Preferred effective term: Fall 2009

## CS 621 - Advanced Discrete Structures

3 credits.
Symmetry and counting, automorphism groups of combinatorial structures, finite fields and applications, error correcting codes, and generating functions.
Prerequisites: MATH 413 and 416.
A-F Grading
Preferred effective term: Fall 2009

## CS 658 - Advanced Algorithms

3 credits.
Recurrences, Probabilistic Analysis, Randomized Algorithms, Red-Black trees, Amortized
Analysis, Fibonacci Heap, Disjoint Set Union, The All Pairs Shortest Path Problem, Maximum Flow.
A-F Grading
Preferred effective term: Fall 2009

## CS 695 - Computer Science Research

 3 credits.Research studies in computer science.
A-F Grading
Preferred effective term: Fall 2009

## COURSE REACTIVATION

## COLLEGE OF BUSINESS: Analytical

## ACCT 505 - Advanced Federal Income Taxation

3 credits
An advanced course in principles of federal taxation dealing with property transactions, partnerships, corporations, and S corporations.
Prerequisites: 12 credits of accounting with a C grade or better, or consent of instructor.
Preferred effective term: Spring 2009

## BLAW 564 - Business Administration and the Law

3 credits
Regulatory content applicable to the CPA examination not covered in BUS 263, including contracts, sales, negotiable instruments, secured transactions, property, and wills.
Prerequisites: BUS 263 or consent of Department Chairperson.
Preferred effective term: Spring 2009

## NEW PROGRAM

The Indiana Commission for Higher Education approved at its November 14, 2008 meeting, the Master of Science in Computer Science to be offered at Terre Haute.

## COLLEGE OF ARTS AND SCIENCES: Mathematics and Computer Science

## Master of Science Computer Science (33 credits minimum)

CIP Code: 110101 Major Code: $\qquad$

## Brief Summary:

There are currently five Indiana public institutions offering masters programs in computer science and related fields. There are no institutions in this region (including Eastern Illinois) or southern Indiana that offers master's degree programs in computer science. The Department of Mathematics and Computer Science proposes that there is a need for the specific program it is proposing in this region.

External demand:

Information obtained from the Learn More Resource Center for Indiana students and job seekers verifies that the need in Indiana for employees in computer science-related fields is expected to continue to grow "much faster than average" through 2010, in most cases more than $50 \%$. The US Bureau of Labor Statistics also expects that job growth to be among the fastest growing until 2012 in the areas for which this degree prepares workers.

Indiana-Purdue Fort Wayne offers an M.S. degree in Applied Computer Science only. Indiana University and Purdue University offer programs that are Ph.D.-oriented at the graduate level. The masters program in computer science at Ball State has awarded an average of 28 degrees over the last five years with an average enrollment of 48 students per year. Information from IUPUI, whose program is housed in Purdue's College of Science, was unavailable. The
proposed program at ISU will allow the state to meet the additional demand expected for the future with a program that meets the needs of students for masters-level competency.

Internal demand:
Currently, the Department of Mathematics and Computer Science has 15 students enrolled in the Master's degree program in Mathematics that includes a concentration in Computer Science. A survey of interest among students currently enrolled in undergraduate computer science and information technology programs shows that $49 \%$ of students interviewed would be interested in or possibly enroll in the proposed program.

The Department expects to attract students who have completed the baccalaureate degree with a major in computer science, mathematics, management information systems, information technology, or related degrees. In order to attract currently employed individuals who wish to increase their skills and advancement potential in their field, the Department plans to offer at least two courses per semester during evening hours. The Department will develop am aggressive recruitment plan to attract Hoosier students to the program. It further expects enrollment from students from Illinois, from other states and international students.

The proposed program distinguishes itself in the core of courses in theoretical computer science. Further, elective course work focuses on systems and applications more broadly, rather than the emphasis on software engineering and design found at other Indiana institutions. New courses proposed for the program include:

CS 658 Advanced Algorithms will include topics in advanced Algorithm Analysis, strategies for Algorithm design, advanced data structures, and graph and approximation algorithms. CS 620 Advanced Theory of Computation will include Turing machines, undecidability, elementary recursive function theory, time and space complexity, and NP completeness. CS 621Advanced Discrete Structures analyze topics in graph theory, coding theory, computer security and cryptographic techniques.

Finally, the program requires a research project, which will allow students to work on research projects in algorithms, databases, optimization, combinatorics (graph theory, Latin squares, designs), cutting edge e-commerce applications, and other topics in computer science. Proposed new courses can also be taken as electives by students in the Mathematics masters degree program. While the program is designed primarily for students who seek advanced degree at the Masters level, the curriculum will also prepare students wishing to continue to a Ph.D. program.

## Proposed Catalog Copy:

Master of Science Computer Science ( 33 credits minimum) CIP Code: 110101 Major Code:

## Required Courses (12 credits):

CS 620-3 credits, CS 658-3 credits, CS 621-3 credits, and MATH 513-3 credits.
Research: CS 695-3 credits
Electives: 18 credits of graduate level course work approved by the student's advisor.
Culminating experience: research project

At least one-half of the credits must be in courses numbered 600 or above.
Preferred effective term: Fall 2009

