



Academic Notes

January 12, 2009

AN 2008-2009

ACADEMIC NOTES PUBLICATION SCHEDULE **FOR SPRING 2009**

Below is the circulation schedule for the electronic copy of *Academic Notes* through May 11, 2009. 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://www1.indstate.edu/academicaffairs/academic_notes.htm

ACADEMIC NOTES PUBLICATION SCHEDULE **FOR SPRING 2009**

<u>Deadline for Items</u>	<u>Issue Date</u>
January 14	January 20
January 21	January 26
January 28	February 2
February 4	February 9
February 11	February 16
February 18	February 23
February 25	March 2
March 4	March 9
March 11	March 16
March 18	March 23
March 25	March 30
April 1	April 6
April 8	April 13
April 15	April 20
April 22	April 27
April 29	May 4
May 6	May 11

THESES, DISSERTATIONS, AND RESEARCH PROJECTS

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

Rajiv Thakur will defend his dissertation entitled *Science and Technology Indicators in EPSCoR States: A Policy Geography*, on Monday, January 26, 2009, at 8:00 a.m., in the Science Building, room 110 . Members of his committee are: Dr. Jay Gatrell, Chair, Dr. Gregory Bierly, Dr. John L.Conant, Dr. Ryan Jensen, and Dr. Steven Pontius.

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 Academic Affairs, extension 3662.

CURRICULUM

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GRADUATE PROPOSALS

PROGRAM REVISIONS

COLLEGE OF EDUCATION: Educational Leadership, Administration, and Foundations

Ph.,D. Educational Administration

CIP Code: 130401 Major Code: 8488

Brief Summary:

We are proposing substituting ELAF 761 - Inquiry in Higher Education for ELAF 708 Seminar in the Foundations of Modern Education. The purpose of this change is twofold. First, our K-12 doctoral students currently have just one course in their curriculum assisting them with the development of a dissertation, ELAF 859 - Research Seminar in Education. The ELAF 859 course attempts to both teach research methods/design and provide the students an opportunity to work on the actual crafting of a dissertation. We find that one course simply cannot accomplish both of these tasks adequately. Our Higher Education Leadership doctoral program, by contrast, has a two course research sequence of ELAF 761 followed by ELAF 859 that has been very effective in equipping our students with the full array of skills needed to do a dissertation. We would like to do the same for K-12 doctoral students.

Second, we feel that we adequately equip our K-12 doctoral students with the Foundations curriculum they need via a combination of what they get in their MEd and EdS curriculums and other courses in the doctoral curriculum where Foundations related content is covered. In summary, we feel that the need for an additional research course is more necessary than having a second, stand alone Foundations course in this program (i.e., we wish to drop ELAF 708 from the K-12 doctoral curriculum, although not from our course offerings as it continues to serve other programs within and outside ELAF). We also do not think it appropriate to add an additional 3-credit credits into this curriculum.

Finally, the current catalog copy does not provide complete information on the course requirements for the specialization in School Administration. This proposal rectifies this by delineating the program of study.

Student Learning:

Our student learning outcomes assessment for the K-12 doctoral program has indicated the need to strengthen the research skill foundation of our doctoral students. This is a critical need as students move into and conduct a dissertation. This proposed change will enhance student learning of research skills and the crafting of a dissertation.

Proposed Catalog Copy:

Ph.,D. Educational Administration

CIP Code: 130401 Major Code: _____

A. Foundational Studies (15 credits minimum)

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

Educational Leadership, Administration, and Foundations 806 – 3 credits; Educational Leadership, Administration, and Foundations 710 or approved equivalent – 3 credits; Educational Leadership, Administration, and Foundations 605, 608 or approved equivalent – 3 credits; Educational Psychology 621 or approved equivalent – 3 credits; Curriculum, Instruction, and Media Technology 610 or approved equivalent – 3 credits.

B. Educational Administration (36 credits minimum)

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, and school law.

Educational Leadership, Administration, and Foundations 657 – 3 credits and 755 – 3 credits; Educational Leadership, Administration, and Foundations 650, 655, 656, 681, 751, 753, 754, 757, 759, or approved equivalents – 3 credits each; 24 total credits; Curriculum Instruction and Media Technology 770 or approved equivalent – 3 credits.

C. Ph.D. Core in Theory and Research in Educational Administration (15 credits minimum)

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

Educational Leadership, Administration, and Foundations 761 – 3 credits; 859 – 3 credits; 850 – 3 credits; Educational Psychology 612 – 3 credits; Educational Psychology 712 – 3 credits.

Preferred effective term: Fall 2009

UNDERGRADUATE APPROVALS

NEW COURSES

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

GEOL 170L - Earth Science Laboratory

1 credit

One two-credit laboratory per week in Earth Sciences that closely parallels the material in GEOL 170. Laboratories will focus on practical applications of earth science principles through hands on experiences to solve earth and environmental problems.

A-F Grading

Preferred effective term: Spring 2009

COURSE REVISIONS

COLLEGE OF TECHNOLOGY: Aviation Technology

AVT 205 – General Aviation Operations

3 credits

Organization and operation of small airport aviation facilities. Included will be flight line operations, aircraft maintenance, sales, administration, state and federal regulations, and community relations.

Prerequisites: 141 and 143; or consent of instructor.

Change prerequisites to:

AVT 205 – General Aviation Operations

3 credits

Organization and operation of small airport aviation facilities. Included will be flight line operations, aircraft maintenance, sales, administration, state and federal regulations, and community relations.

A-F Grading

Prerequisites: AVT 141 or consent of instructor.

Preferred effective term: Fall 2009

AVT 211 – Aircraft Systems I

3 credits

Introduction to basic aircraft systems found on modern single and multi-engine reciprocating aircraft. Topics will include piston engines, electrical systems, hydraulic and pneumatic systems, radios and instruments, propellers, maintenance requirements and documentation, and troubleshooting from the cockpit.

Prerequisites: 141 and 143; or consent of instructor.

Change title and prerequisites to:

AVT 211 – Reciprocating Aircraft Systems

3 credits

Introduction to basic aircraft systems found on modern single and multi-engine reciprocating aircraft. Topics will include piston engines, electrical systems, hydraulic and pneumatic systems, radios and instruments, propellers, maintenance requirements and documentation, and troubleshooting from the cockpit.

Prerequisites: AVT 141 or consent of instructor.

A-F Grading

Preferred effective term: Fall 2009

AVT 241 – Advanced Navigation Systems

3 credits

Advanced navigation systems to include HSI's, RMI's, Loran, Doppler, Omega, and GPS. Will include navigation theory, in-flight emergencies, electronic instruments, and advance flight computing problems.

Prerequisite: 143 or consent of instructor.

Change prerequisite to:

AVT 241 – Advanced Navigation Systems

3 credits

Advanced navigation systems to include HSI's, RMI's, Loran, Doppler, Omega, and GPS. Will include navigation theory, in-flight emergencies, electronic instruments, and advance flight computing problems.

Prerequisite: AVT 141 or consent of instructor.

A-F Grading

Preferred effective term: Fall 2009

AVT 323 – Air Traffic Control Systems

3 credits

Includes basic traffic control procedures and phraseology. Areas include a description of the National Airway System to include centers, approach control, towers, and flight service stations.

Also included will be controller responsibilities and techniques, current equipment familiarization, and aircraft control adjustments.

Prerequisites: 141 and 143; or consent of instructor.

Change prerequisite to:

AVT 323 – Air Traffic Control Systems

3 credits

Includes basic traffic control procedures and phraseology. Areas include a description of the National Airway System to include centers, approach control, towers, and flight service stations. Also included will be controller responsibilities and techniques, current equipment familiarization, and aircraft control adjustments.

Prerequisites: AVT 141 or consent of instructor.

A-F Grading

Preferred effective term: Fall 2009

COURSE REACTIVATIONS

COLLEGE OF ARTS AND SCIENCES: Art

ART 200 Special Problems in Art

3 credits

Problems relating to specific art media. May be taken for General Education credit by non-art majors only. Does not satisfy studio requirements for art majors. General Education Credits [GE2000: Literary, Artistic, and Philosophical Studies-Elective]

A-F Grading

Preferred effective term: Spring 2009

ART 401 Special Problems in Art

1-3 credits

Problems relating to specific topics within an area of art. For non-Department of Art majors only.

A-F Grading

Preferred effective term: Spring 2009

ARTS 400 Senior Studio

1-6 credits

Senior level studio experience in the visual arts. Offered for majors only. Repeatable up to 9 credit credits maximum.

A-F Grading

Preferred effective term: Spring 2009

GRADUATE APPROVALS

COURSE REVISIONS

COLLEGE OF EDUCATION: Educational Leadership, Administration, and Foundations

ELAF 655 – Legal Aspects of School Administration

3 credits

Origin and development of school law with emphasis given to its application in contemporary school problems.

Change title and description to:

ELAF 655 – Legal Aspects of Educational Administration

Origin and development of educational law with emphasis given to its application in contemporary problems.

A-F Grading

Preferred effective term: Summer 2009