



Academic Notes

January 23, 2012

AN 2011-2012

ACADEMIC NOTES PUBLICATION SCHEDULE FOR SPRING 2012

Below is the publication schedule for the electronic copy of *Academic Notes* through May 7, 2012. All submissions for inclusion in *Academic Notes* are due in the Office of Academic Affairs no later than 11:00 a.m. on the Deadline for Items date shown below. Submissions must be in hard copy along with an email, zip drive, 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/academicaffairs/academic_notes.htm. During the summer months, *Academic Notes* is published every other week. If you have questions, please contact Academic Affairs, extension 3662.

ACADEMIC NOTES PUBLICATION SCHEDULE FOR SPRING 2012

<u>Deadline for Items</u>	<u>Issue Date</u>
January 18	January 30
January 25	February 6
February 1	February 13
February 8	February 20
February 15	February 27
February 22	March 5
February 29	March 12
March 7	March 19
March 14	March 26
March 28	April 2
April 4	April 9
April 11	April 16
April 18	April 23
April 25	May 7

CURRICULUM

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UNDERGRADUATE PROPOSALS

NEW COURSES

COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Applied Health Sciences

AHS 145 - School and Community in FCS

3 credits

This course emphasizes core knowledge, key concepts and interrelationships among specializations in Family and Consumer Sciences. The orientation to family and consumer sciences education and human development and family studies is accomplished via speakers, professional organizations and standards, and assigned readings.

A-F Grading

Effective term: Fall 2012

AHS 309 - Applied Theory in FCS

3 credits

This course integrates ecosystems theory (ecological framework), life course development, core concepts, integrative elements, and cross-cutting themes in Family and Consumer Sciences. Assignments require students to apply course content to observations, cases, and scenarios.

Pre-requisites: AHS 145, 237, and 238

A-F Grading

Effective term: Fall 2012

AHS 363 - Housing

3 credits

Housing issues and trends, systems, space planning, materials and furnishings.

A-F Grading

Effective term: Fall 2012

COLLEGE OF TECHNOLOGY: Human Resource Development and Performance Technologies

HRD 450 - Consulting and Coaching for HRD

3 credits

The course explores the theory and practice of coaching and consulting for human resource development in organizations. Students will gain an understanding of the theoretical basis for current coaching and consulting practice and learn what coaches and consultants do and how to coach others in organizations. Students will also learn about their own abilities as consultants and coaches.

Note: Course is open to Graduate students. Graduate students must do additional work of a research nature.

A-F Grading

Effective term: Summer 2012

COURSE BANKING

COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Applied Health Sciences

FCS 366 - Energy and Equipment in Residential Design

Effective term: Fall 2012

NEW PROGRAMS

COLLEGE OF TECHNOLOGY: Applied Engineering and Technology Management

Lean Six Sigma Certificate (12 credits)

CIP Code: 150612 Major Code:

Brief Summary:

The Applied Engineering and Technology Management Department (AETM) currently offers a 21 credit minor in quality, which is called Lean Six Sigma (Lean SS). The department also offers graduate courses for the MS in Technology Management quality concentration and the PhD in Technology Management quality specialization. At the time the Lean SS minor was in the approval process, Provost Maynard and others recognized a niche that ISU could market, i.e., a substantive credit-bearing certificate in Lean SS. Most Lean SS certificates across the nation are associated with a few hours of training and are not credit bearing. Dr. Brauchle, the Dean of Distance Education, believes this certificate to be marketable to new constituents.

Non-degree seeking personnel in business and industry (locally, and potentially nationally and internationally) and current degree-seeking students could earn this certificate. For non-degree seeking students, the certificate could be a gateway to an ISU BS or MS.

The Lean Six Sigma certificate would be a 4 course subset of the current minor in Lean Six Sigma. These 4 courses do not have any other pre-requisites. These 4 courses constitute the essentials necessary to fully understand the methodologies of Lean and of Six Sigma. Additionally, most of the courses in the certificate are required or often selected as electives for others majors. All the 400-level courses have 500-level versions and are required or often used as electives in various MS degrees.

Based on current capacities, approximately 50 new students in the certificate could be added before additional sections would be needed. Every course is available online.

Vertical marketing is envisioned, i.e., brochure and web materials that market the quality courses and programs: certificate, minor, MS concentration, and PhD specialization.

Student Learning:

Student outcomes assessment was not a major impetus for this certificate. Input and data from quality professionals, the American Society for Quality, other institutions, and current ISU students and alums were considered. Outcomes assessment is implemented for the majors in the Department. The Lean Six Sigma minor, of which this certificate is a sub-set, is assessed as part of the outcome assessment plan for the BS in Technology Management.

Proposed Catalog Copy:**Lean Six Sigma Certificate (12 credits)****CIP Code: 150612 Major Code:****Lean Six Sigma Certificate (12 credits)**

The Lean Six Sigma (LSS) Certificate is open to any ISU student with regular or non-degree seeking status. Lean Six Sigma is a melding of cutting edge industrial efficiency and quality techniques that are increasingly being applied to all businesses and organizations to improve quality while reducing costs. Unlike many of the short seminars that are offered in this area, ISU's LSS Certificate program consists of four credit-bearing courses.

Required Courses:

Applied Engineering and Technology Management (12 credits):

- TMGT 361 - Quality Systems and Tools 3 credits
- TMGT 374 - Lean Manufacturing Systems 3 credits
- TMGT 461 - Lean Six Sigma 3 credits
- TMGT 471 - Production Planning and Control I 3 credits

Effective term: Fall 2012

GRADUATE PROPOSALS

NEW COURSES

COLLEGE OF TECHNOLOGY: Human Resource Development and Performance Technologies**HRD 550 - Consulting and Coaching for HRD**

3 credits

The course explores the theory and practice of coaching and consulting for human resource development in organizations. Students will gain an understanding of the theoretical basis for current coaching and consulting practice and learn what coaches and consultants do and how to coach others in organizations. Students will also learn about their own abilities as consultants and coaches.

A-F Grading

Effective term: Summer 2012

HRD 725 - Theoretical Foundations of Organization Development in HRD

3 credits

The purpose of this course is to extend the student's knowledge of the underpinnings of organization development theory as related to the foundational principles of HRD and performance improvement. Emphasis is on the synthesis of these theories and implications for research and practice.

A-F Grading

Effective term: Summer 2012

COURSE REVISIONS

BAYH COLLEGE OF EDUCATION: Educational Leadership

SAHE 634 - Practicum in Student Affairs and Higher Education

3 credits

Experience in a campus setting supervised by the sites professional staff and faculty/staff of Indiana State University. The objective is designed to provide the student with experiences requiring an increasing degree of self direction and responsibility.

Prerequisites: Concurrent enrollment or completion of 533 or Counseling 533 and consent of instructor.

Note: May be repeated.

Change prerequisites to:

SAHE 634 - Practicum in Student Affairs and Higher Education

3 credits

Experience in a campus setting supervised by the site's professional staff and faculty/staff of Indiana State University. The objective is designed to provide the student with experiential learning requiring an increasing degree of self direction and responsibility.

Prerequisites: Completion of SAHE 637 and consent of instructor.

Repeatable: May be repeated for up to 9 credit hours.

A-F Grading

Effective term: Fall 2012

COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Applied Health Sciences

FCS 521 - Nutrition through the Lifecycle

4 credits

Social, psychological, and physiological aspects of nourishing healthy individuals; investigation of the dynamics of the community and the relationship of nutrition services to their needs throughout the lifecycle.

Prerequisites: 201 or 221.

Change prefix, title, and description and prerequisites to:

AHS 521 - Life Cycle Nutrition

3 credits

Investigation of the impact of nutrition on all stages of lifespan, from preconception and pregnancy through late adulthood. For every state of life, normal growth and development, nutrient needs, nutrition assessment, and the most common nutritional deficiencies will be

addressed.

Prerequisites: AHS 221, or permission of instructor.

A-F Grading

Effective term: Fall 2012

FCS 523 - Medical Nutrition Therapy

5 credits

This course provides the theory and rationale for determining dietary modifications necessary to meet the needs of the body during pathological conditions. Includes oral, as well as other enteral, and parenteral feeding routes.

Prerequisites: 221; BIO 241; CHEM 330.

Change prefix and description and prerequisites to:

AHS 523 - Medical Nutrition Therapy

5 credits

This course addresses the basics for dietary modifications necessary to meet the needs of the body during pathological conditions. Includes oral, as well as other enteral, and parenteral feeding routes. Application of the nutrition care process to assess, diagnose, plan intervention, monitor and evaluate patient outcomes.

Prerequisites: AHS 221; BIO 231, BIO 241; BIO 274, BIO 412; CHEM 330.

A-F Grading

Effective term: Fall 2012

FCS 530 - Food Service Systems Management

5 credits

Systems approach to organization and management of institutional food service.

Prerequisites: 226 or equivalent; 332 or 333.

Change prefix and number, title, and prerequisites to:

AHS 530 - Food Service Management Systems

5 credits

Systems approach to organization and management of institutional food service.

Prerequisites: AHS 226 or equivalent; AHS 332, AHS 333

A-F Grading

Effective term: Fall 2012

FCS 626 - Foods

3 credits

Review of pertinent literature and current research in food science and technology.

Prerequisites: 226 or equivalent.

Change prefix and number to:

AHS 627 - Foods

3 credits

Review of pertinent literature and current research in food science and technology.

Prerequisites: AHS 226 or equivalent.

A-F Grading

Effective term: Fall 2012

COURSE REACTIVATIONS

COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Applied Health Sciences

FCS 525 – Community Nutrition

3 credits

In-depth discussion of nutritional status of population groups, as well as the federal, state, and local public and private community nutrition programs and interventions targeted to meet their nutritional needs. Information on the structure and funding of the community nutrition agencies and programs, including the legislative process, is also discussed.

Prerequisites: FCS 201 or 221, FCS 521 or permission of instructor

Change prefix to:

AHS 525 – Community Nutrition

3 credits

In-depth discussion of nutritional status of population groups, as well as the federal, state, and local public and private community nutrition programs and interventions targeted to meet their nutritional needs. Information on the structure and funding of the community nutrition agencies and programs, including the legislative process, is also discussed.

Prerequisites: AHS 201 or 221, AHS 521 or permission of instructor

A-F Grading

Effective term: Fall 2012

COURSE BANKING

COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Applied Health Sciences

FCS 475 - Consumer Education

Effective term: Fall 2012

COURSE ELIMINATIONS

COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Applied Health Sciences

FCS 281 - Introduction to Family and Consumer Sciences Education

3 credits

Foundations, standards, and current issues in family and consumer sciences education.

A-F Grading

Effective term: Fall 2012

FCS 491 - Methods of Family and Consumer Sciences Education

3 credits

Current trends, teaching materials, and teaching procedures; development of objectives, concepts, and generalizations for teaching family and consumer sciences.

Prerequisites: FCS 281
A-F Grading
Effective term: Fall 2012

FCS 498 - Introduction to Techniques of Coordination of Cooperative Education

2 credits

Procedures and role in coordination of a cooperative education program.

Prerequisites: FCS 481 or consent of instructor.

Note: Open to graduate students. Graduate students are required to do additional work of a research nature.

Cross-listed: (Also listed as Business Education, Information, and Technology 498 and Industrial Technology Education 498.)

A-F Grading

Effective term: Fall 2012

PROGRAM ELIMINATIONS

COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Applied Health Sciences

Health and Safety (Teacher Education) M.A. or M.S. (32 credits)

CIP Code: 131307 Major Code: A267

Brief Summary:

We request the elimination of the Health and Safety Teaching Education degree. The program has no outcome and has no purpose at this time.

Effective term: Fall 2012

COLLEGE OF NURSING, HEALTH, AND HUMAN SERVICES: Applied Health Sciences

Family and Consumer Sciences (For Teacher Licensure) M.S. (32 credits)

CIP Code: 13.1308 Major Code: H196

Brief Summary:

We request the elimination of the Family and Consumer Sciences degree. The program has no outcome and has no purpose at this time.

Effective term: Fall 2012

UNDERGRADUATE APPROVALS

COURSE REVISIONS

COLLEGE OF ARTS AND SCIENCES: Economics

ECON 100 - Basic Economics

3 credits

Link

(This course is part of the “Transfer Indiana” [TransferIN] initiative. For additional information, link to www.transferin.net/ctl.)

A brief overview of basic economic principles, with emphasis on the market system and its relevance to current economic issues and policies. The course is designed to introduce economics to those students who will not be taking principles of economics (200 and 201). Also offered as 100I with increased emphasis on international economics.

Foundational Studies Credit: [FS 2010: Social or Behavioral Sciences]

Change description to:

ECON 100 - Basic Economics

3 credits

Link

(This course is part of the “Transfer Indiana” [TransferIN] initiative. For additional information, link to www.transferin.net/ctl.)

A brief overview of basic economic principles, with emphasis on the market system and its relevance to current economic issues and policies. The course is designed to introduce economics to those students who will not be taking principles of economics (200 and 201). Also offered as 100I with increased emphasis on international economics. ECON 100 does not count towards the Economics Major or Minor.

Foundational Studies Credit: [FS 2010: Social or Behavioral Sciences]

A-F Grading

Effective term: Fall 2012

ECON 101 - Quantitative Problem Solving

3 credits

This course uses a variety of real-world problems to illustrate the applicability of algebraic, statistical, and financial methods. Using selected problems, students learn the utility of understanding units of measure, extrapolation and interpolation, data conversion, single and simultaneous equation solutions, probability, statistical inference, expected value, and present and future value.

Prerequisites: SAT Verbal 400 or ENG 105; appropriate placement examination (MAPLE T.A.) score or MATH 011.

Foundational Studies Credit: [FS2010: Quantitative Literacy]

Change description to:

ECON 101 - Quantitative Problem Solving

3 credits

This course uses a variety of real-world problems to illustrate the applicability of algebraic, statistical, and financial methods. Using selected problems, students learn the utility of understanding units of measure, extrapolation and interpolation, data conversion, single and simultaneous equation solutions, probability, statistical inference, expected value, and present and future value. ECON 101 does not count towards the Economics Major or Minor.

Prerequisites: SAT Verbal 400 or ENG 105; appropriate placement examination (MAPLE T.A.) score or MATH 011.

Foundational Studies Credit: [FS2010: Quantitative Literacy]

A-F Grading

Effective term: Fall 2012

ECON 302 - Economics of Health and Medical Care

3 credits

Relates institutional arrangements to economic efficiency and productivity in the provision of health and medical services.

Foundational Studies Credit: [FS 2010: Integrative Upper-Division Electives]

Add prerequisites to:

ECON 302 - Economics of Health and Medical Care

3 credits

Relates institutional arrangements to economic efficiency and productivity in the provision of health and medical services.

Prerequisites: ECON 100 or 201.

Foundational Studies Credit: [FS 2010: Integrative Upper-Division Electives]

A-F Grading

Effective term: Fall 2012

ECON 446 - Theory of Economic Development

3 credits

History, theory, reality, and problems of economic development; current constraints on sustained growth and alternative development models.

Prerequisites: ECON 200 and 201, or consent of instructor.

Note: Open to graduate students. Graduate students are required to do additional work of a research nature.

Foundational Studies Credit: [FS 2010: Global Perspectives and Cultural Diversity]

Change prerequisites to:

ECON 446 - Theory of Economic Development

3 credits

History, theory, reality, and problems of economic development; current constraints on sustained growth and alternative development models.

Prerequisites: ECON 100, ECON 200, and ECON 201, or consent of instructor.

Note: Open to graduate students. Graduate students are required to do additional work of a research nature.

Foundational Studies Credit: [FS 2010: Global Perspectives and Cultural Diversity]

A-F Grading

Effective term: Fall 2012

CORRECTIONS

The following courses were inadvertently published as undergraduate proposals in Academic Notes on 1/17/12. The proposals are being withdrawn pending further review. Once reviewed, they will be republished as proposals.

OMA 435 - Decision Modeling

OMA 445 - Advanced Operations Management