



# *Academic Notes*

APRIL 10, 2006

AN 2005-2006

## **\*\*SPECIAL NOTICES\*\***

### **RETIREMENT TEA**

The annual Retirement Tea, honoring all university retirees, will be held Thursday, April 27, 2006, at 2:00 p.m., in Hulman Memorial Student Union, Dede I. All members of the campus community are encouraged to attend.

### **FACULTY ATTENDANCE FORM FOR SPRING COMMENCEMENT**

All faculty are asked to go to the Academic Affairs Web site and fill out the Faculty Attendance form for Spring Commencement 2006, the form is located at the end of this document, and online at <http://www.indstate.edu/site/acad-aff/2451.html>. After completing the attendance form, click on the submit button, and it will be sent directly to the Office of the Provost. Please complete the attendance form no later than **5 p.m., Wednesday, May 3, 2006**. If you have questions, please contact Donna Royse at x2307.

### **ACADEMIC NOTES PUBLICATION SCHEDULE FOR SPRING 2006**

Below is the circulation schedule for the electronic copy of *Academic Notes* through May 1, 2006. **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. *Academic Notes* is available using Acrobat Reader at <http://www.indstate.edu/site/acad-aff/2315.html> –.**

### **ACADEMIC NOTES PUBLICATION SCHEDULE FOR SPRING 2006**

<b><u>Deadline for Items</u></b>		<b><u>Issue Date</u></b>
Academic Notes	1	APRIL 10, 2006

April 12  
April 19  
April 26

April 17  
April 24  
May 1

# **FACULTY GOVERNMENT**

## **INDIANA STATE UNIVERSITY FACULTY SENATE EXECUTIVE COMMITTEE**

The Executive Committee of the University Faculty Senate will meet at 3:15 p.m. on Tuesday, April 11, 2006, in Hulman Memorial Student Union 227.

### Agenda

- I. Administrative Report
- II. Chair Report
- III. Fifteen Minute Open Discussion
- IV. Approval of the Minutes
- V. Old Business
- VI. New Business
- VII. Standing Committee Reports

## **ADMINISTRATIVE AFFAIRS COMMITTEE**

The Administrative Affairs Committee will meet at 2:00 pm Wednesday, April 12, 2006 in Myers Tech Center TC 107

### Agenda

1. Open time (ten minutes)
2. Minutes of April 5, 2006
3. Old business
  - a. Calendar
  - b. Other

# THESES, DISSERTATIONS, & RESEARCH PROJECTS

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

Jodie Gibson will defend his thesis, entitled *The Impact of Acid Mine Drainage on West Little Sugar Creek, Vigo, County, Indiana*, at 2:00 p.m. on Friday, April 14, 2006, in the Science Building, room 110 (Drummond Conference Room). The members of his committee are Dr. Sandra Brake, co-chairperson, Dr. Stephen Wolf, co-chairperson, and Dr. Anthony Rathburn.

## COLLEGE OF TECHNOLOGY: Ph.D. Technology Management

Shoji Nakayama will defend his dissertation, entitled *An Experimental Study of the Effectiveness of Three Safety Training Delivery Methods and the Resulting Level of Knowledge Gained For a Safety Program Specific to Workplace Violence*, at 10:00 a.m. Tuesday, April 18, 2006 appearing from Central Missouri State; live video presentation will be in the John T. Myers Building, room TC 111. The members of his committee are Dr. Ronald C. Woolsey, Central Missouri State University, chairperson; Dr. John Sutton, Central Missouri State University; Dr. David Kreiner, Central Missouri State University; Dr. David Beach; and Dr. Anthony Gilberti.

# CURRICULUM

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# UNDERGRADUATE PROPOSALS

## NEW COURSES

### **COLLEGE OF HEALTH AND HUMAN PERFORMANCE: Recreation and Sport Management**

**RCSM 231 Management Theory in Recreation and Sport Management I**--3 hours. Foundations of management as they relate to recreation and sport related agencies. This course includes organizational structure and theory, strategic planning, comprehensive planning, political and community organizations and their impact on the delivery of recreation and sport services.

*Preferred Effective Term: Spring 2007*

**RCSM 331 Management Theory in Recreation and Sport Management II**--3 hours. Advance principles and methods of administration and management as they relate to leisure and sport related services in the public, private, voluntary, and business sectors. The course will complement 231, Management Theory in Recreation and Sport Management I, by building on administration and management concepts and methods already introduced, plus explore additional material in the following areas: human resources, public relations, ethics, management by objectives, marketing, program evaluation, research, data analysis, and data reporting.

*Preferred Effective Term: Spring 2007*

## COURSE REVISIONS

### **COLLEGE OF HEALTH AND HUMAN PERFORMANCE: Health, Safety, and Environmental Health Sciences**

**HLTH 315L Industrial Hygiene I Laboratory**--1 hour. Laboratory course for 315.

*Change credit hours to:*

**HLTH 315L Industrial Hygiene I Laboratory**--2 hours. Laboratory course for 315.

*Preferred Effective Term: Fall 2007*

**HLTH 335L Industrial Hygiene II Laboratory**--1 hour. Laboratory course for 335.

*Change credit hours to:*

**HLTH 335L Industrial Hygiene II Laboratory**--2 hour. Laboratory course for 335.

*Preferred Effective Term: Fall 2007*

## COURSE BANKING

### **COLLEGE OF HEALTH AND HUMAN PERFORMANCE: Health, Safety, and Environmental Health Sciences**

**HLTH 215 Occupational Diseases and Human Systems**--3 hours. An overview of the basic functions and responses of human systems as applied to the occupational environment. Normal human response is initially emphasized leading to discussion of abnormal human response due to adverse occupational exposure to and interaction with foreign compounds.

*Preferred Effective Term: Spring 2007*

## NEW PROGRAM

### **COLLEGE OF BUSINESS ORGANIZATIONAL MOTOSPORTS MANAGEMENT MINOR**

#### **Executive Summary:**

This is a new collaborative minor program that utilizes courses from four departments in three colleges. It addresses the state's goals of supporting Indiana's motorsports industry. It enhances our students' opportunities for employment in a growing industry. It builds upon a core with coursework in three areas, then provides concentrations using electives from different departments. The 12-hour core includes coursework from business, industrial and mechanical technology, and recreation sport management. Each student will take nine hours of electives from any area. Students do not need to major in one of these three areas.

#### **Rationale:**

For nearly a year, a large group of practitioners from the motorsports industry has been brought together to discuss how Indiana State University could contribute to the state's motorsports initiative. It was recognized by the group that there is a large contingency of our current and prospective students who would be attracted to the motorsports industry. The governor of Indiana has established an industry task force whose mission is to stimulate growth in the motorsports industry via economic and other incentives. The ISU study group identified numerous potential contributions in three areas: economic research, direct training of industry practitioners, and curriculum development. This minor addresses the third directive and opens the door for the second directive of direct training for the industry.

One dean and a contributing faculty member traveled to the United Kingdom to attend a motorsport conference; a contributing faculty member also participated in the International Motorsports Education Forum in December 2005. Feedback from the motorsports industry has indicated strong support.

The program makes use of existing courses for electives and three of the four electives. One existing elective course is being transformed for this minor program. No new faculty are necessary for this minor.

Contributing faculty:

*Undergraduate Proposals: Motorsports Management Minor – Continued.*

Dr. Joseph Harder (College of Business motorsports coordinator)

Dr. Randell Peters (College of Technology motorsports coordinator)

Dr. Ethan Strigas (College of Health and Human Performance motorsports coordinator)

## **Description Of Program**

### **Motorsports Management minor (21 semester hours)**

The Motorsports Management minor is open to all majors who wish to enter the motorsports industry. It is structured to minimize pre-requisites and maximize flexibility, while giving a foundation of core skills useful in the motorsports industry. The creation of this minor is a joint effort of the College of Business, College of Technology, and College of Health and Human Performance. The motorsports industry is understood to encompass designing, building, maintaining, managing, and promoting motorized vehicles intended for competition. It is also understood to encompass the creation, financing, managing, and promoting of facilities, products and services designed to support competition for motorized vehicles.

### **Required Courses**

- INS 340 – Introduction to Risk and Insurance (COB)
- IMT 132 – Introduction to Automotive Engines (COT)
- RCSM 330 - Survey of Motorsport (HHP) or IMT 330 Survey of Motorsport (COT)
- RCSM 420 – Marketing Applications in Sport (HHP)

### **Elective Courses Group A (College of Business) (\*)**

#### **College of Business Motorsports Coordinator may approve substitutions**

- ACCT 200 – Survey of Accounting
- BUS 263 – Legal Environment of Business
- FIN 200 -- Survey of Finance
- MIS 335 – Introduction to Business Web Development
- MGT 301 – Survey of Management
- MKT 301 – Introduction to Marketing
- ACCT 439 – Accounting Internship (\*\*)
- FIN 439 – Finance Internship (\*\*)
- INS 439 – Insurance Internship (\*\*)
- MKTG 439 – Marketing Internship (\*\*)
- BEIT 439 – Business Education, Information, and Technology Internship (\*\*)
- MIS 439 – Management Information Systems Internship (\*\*)
- MGT 439 – Business Management Internship (\*\*)
- OMA 439 – Operations Management and Analysis Internship (\*\*)

### **Elective Courses Group B (College of Technology) (\*)**

#### **College of Technology Motorsports Coordinator may approve substitutions**

- IMT 233 – Engine Systems and Controls
- IMT 351 - Cooperative Industrial Practice (\*\*)
- IMT 432 – Parts Distribution and Marketing

- IMT 433 – Service Facility Organization & Management
  - IMT 461 – The Automobile Industry: The First 100 Years (Carries Gen Ed Credit SBS-E)
- Undergraduate Proposals: Motorsports Management Minor – Continued.*

**Elective Courses Group C (College of Health and Human Performance) (\*)**

**College of Health and Human Performance Motorsports Coordinator may approve substitutions**

- RCSM 334 – Finance for Recreation and Sport Management
- RCSM 355 -- Communications and Media Relations in Sport
- RCSM 380 – Field Survey of Sport Facilities and Programs
- RCSM 425 – Sport Sponsorship
- RCSM 491 -- Internship in Recreation and Sport Management (required to be motorsport Related)

\* No more than two electives may be counted toward minor from the same group

(\*\*) - No more than one internship / cooperative study course may be used for credit toward the minor

*Proposed Catalog Copy*

**Motorsports Management minor (21 semester hours)**

The Motorsports Management minor is open to all majors. It is structured to minimize pre-requisites and maximize flexibility, while giving a foundation of core skills useful in the motorsports industry. The motorsports industry includes designing, building, maintaining, managing, and promoting motorized vehicles intended for competition. It also includes the creation, financing, managing, and promoting of facilities, products and services designed to support competition for motorized vehicles.

**MINOR REQUIREMENTS**

**Motorsports Management minor (21 semester hours)**

**Required:** INS 340--3 hrs.; IMT 132--3 hrs.; RCSM 330--3 hrs. or IMT 330--3 hrs.; RCSM 420--3 hrs.

**Electives:** 9 hours, taken from groups A, B, and/or C. No more than 6 hours may be counted from the same group. Cannot count more than one from ACCT 439, BEIT 439, INS 439, MGT 439, MIS 439, MKTG 439, OMA 439, IMT 351.

**Group A (College of Business):** ACCT 200--3 hrs.; 439--3 hrs.; BEIT 439--3 hrs.; BUS 263--3 hrs.; FIN 200--3 hrs., 439--3 hrs.; INS 439--3 hrs.; MGT 301--3 hrs. 439--3 hrs.;MIS 335--3 hrs.; 439--3 hrs.; MKTG 301--3 hrs.; 439--3 hrs.; OMA 439--3 hrs.

**Group B (College of Technology):** IMT 233--3 hrs.; 351--3 hrs.; 432--3 hrs.; 433--3 hrs.; 461--3 hrs.

**Group C (College of Health and Human Performance):** RCSM 334--3 hrs.; 355--3 hrs.; 380--3 hrs.; 425--3 hrs.; 491--3 hrs.

*Preferred Effective Term: Fall 2006*

## **PROGRAM REVISION**

### **COLLEGE OF TECHNOLOGY INDUSTRIAL AND MECHANICAL TECHNOLOGY B.S. MECHANICAL ENGINEERING TECHNOLOGY**

#### **Executive Summary:**

- The name of IMT 130 will be changed from "Introduction to Industrial and Mechanical Technology" to "Introduction to Engineering and Technology" to reflect the fact that the Mechanical Technology/Mechanical Design Technology program has been changed into Mechanical Engineering Technology (BS) program since last year. The majority of students in this class are MET majors, and it is necessary to provide them with a basic introductory course on engineering/technology that explains engineering technology as a problem solving approach, a field for development and research, and a professional career of option.
- IMT 304 Engineering Analysis. A new course that introduces the analysis of engineering problems such as dynamics and thermodynamics using calculus based methods. The emphasis is given to the understanding of basic concepts, principles and applications of related analysis in engineering. Prerequisite: MATH 301. This course will be an elective course for MET majors, but likely be changed into a required course later to meet the ABET standards.
- Change the requirement for MATH 122 to MATH 123. The reason is due to a change of MATH 122 from a 3 hour to a 4 hour course by the Math Department. At request of MET faculty, Math Department has agreed to develop a new 3 credit hours course, MATH 123, to satisfy MET's requirement.
- MCT 468 will be replaced by MCT 270 Introduction to Automated Systems. The reason for this change is mainly due to the fact that MCT 468 has not been offered for at least two years, and there is no clear prediction from the offering department when it will be offered again. It has also been discussed with the offering department and related faculty that MCT 270 also provides an adequate coverage on basic robotics and PLC as well as manufacturing automation. Therefore it is suggested to use it to replace MCT 468.

#### **Rationale:**

The Mechanical Engineering Technology (MET) Program was proposed and approved last year at ISU, and it was the first engineering technology program established on the ISU campus. At the time of the proposal development, the information about certain curriculum elements was uncertain or not clear, e.g. how the IMT130 would be taught and by which department (it was by MCT department for several semesters), and the availability of MCT468 and MATH 122. Also a number of changes have occurred on campus since the time of proposal and approval. For instance, MATH 122 has become a 4 credit hours course, and the Math Department is proposing a new one, MATH 123 to satisfy our program needs. After discussing with MCT and ECT faculty, we realize that MCT 270 is an adequate course that we can use to replace MCT468, which has not been offered as a structured course for more than two years and it is still unpredictable when it can be offered again. Most of the changes proposed in this document are to accommodate these changes, so that our program catalog description can be more accurate and reflective. As it was stated in the last year's proposal, one of the goals for the MET program at ISU is to eventually pursue ABET accreditation when



the program is developed into a matured stage. The program faculty plans to implement this *Undergraduate Proposals: Mechanical Engineering Technology – Continued*.

goal in a gradual manner through specific curriculum modification objectives. It is a long-term effort that cannot be done in one step. Given the current available resource, the program faculty has been developing some new courses to prepare the program curriculum to specifically address some of the ABET requirements. One is on engineering analysis IMT304. It is our hope that in three to four years the program curriculum can be fully developed to meet accreditation requirements. (ABET requires that any new ET program must accumulate and report at least three years of data before it can be accredited).

*Current Catalog Copy:*

### **Mechanical Engineering Technology (84 semester hours)**

#### **Required courses:**

**Technical Courses:** Industrial and Mechanical Technology 103--3 hrs.; 130--2 hrs.; 203--2 hrs.; 302--3 hrs.; 306--3 hrs.; 403--3 hrs.; 404--3 hrs.; 405--3 hrs.; 406--3 hrs.; 408--3 hrs.; 413--3 hrs.; 430--1 hr.; Computer Science 151--3 hrs.; Electronics and Computer Technology 160--3 hrs.; Manufacturing and Construction Technology 370--3 hrs.; 371--3 hrs.; 468--3 hrs.

**Technical electives:** 6 hours from Industrial and Mechanical Technology 351--3 hrs.; 407--3 hrs.; 409--3 hrs.; or other courses in packaging, manufacturing, robotics, control and instrumentation, or software and information systems.

**Management electives:** 6 hours from Manufacturing and Construction Technology 471--3 hrs.; 473--3 hrs.; 478--3 hrs.; Management 301--3 hrs.

**Basic Sciences and Mathematics:** Mathematics 115--3 hrs.; 122--3 hrs.; 301--3 hrs.; Industrial and Mechanical Technology 215--3 hrs.; Physics 105--3 hrs. and 105L--1 hr.; 106--3 hrs. and 106L--1 hr.; Chemistry 100--3 hrs. and 100L--1 hr.

**English:** 305T--3hrs.

\*Include 17 hours of General Education

*Proposed Catalog Copy:*

### **Mechanical Engineering Technology (84 semester hours)**

#### **Required courses:**

**Technical Courses:** Industrial and Mechanical Technology 103--3 hrs.; 130--2 hrs.; 203--3 hrs.; 215--3 hrs.; 302--3 hrs.; 306--3 hrs.; 403--3 hrs.; 404--3 hrs.; 405--3 hrs.; 406--3 hrs.; 408--3 hrs.; 413--3 hrs.; 430--1 hr.

**Manufacturing and Construction Technology:** 270--3 hrs.; 370--3 hrs.; 371--3 hrs.

**Electronics and Computer Technology:** 160--3 hrs.

**Mathematics and Computer Science:** Mathematics 115--3 hrs.; 123--3 hrs.; 151--3 hrs.; 301--3 hrs.; **Science:** Physics 105--3 hrs. and 105L--1 hr.; 106--3 hrs. and 106L--1 hr.; Chemistry 100--3 hrs. and 100L--1 hr.

**Technical electives:** 6 hours from Industrial and Mechanical Technology 301--3 hrs.; 407--3 hrs.; 409--

3 hrs.; or 351--3 hrs.

*Undergraduate Proposals: Mechanical Engineering Technology – Continued.*

**Management electives:** 6 hours from Manufacturing and Construction Technology 471--3 hrs.; 473--3 hrs.; 478--3 hrs.; Management 301--3 hrs.

\*Includes 8 hours of liberal studies, plus a program-based substitution for Quantitative Literacy (QL) and Information Technology Literacy (ITL) requirements.

*Preferred Effective Term: Spring 2007*

# UNDERGRADUATE APPROVAL

## PROGRAM REVISION

### COLLEGE OF ARTS AND SCIENCES

### ENGLISH

### ENGLISH TEACHING MAJOR

#### **Summary and Rationale:**

Revise the English Teaching major by renumbering the required methods course, from 380 to 486. This renumber reflects the revision of this course as a General Education Capstone Course (CAP) for the English Teaching Major.

*New Catalog Copy:*

#### **English Teaching Major (39 semester hours)**

This major may be added to the Senior High-Junior High/Middle School Instructional License; its coverage is grades 5-12.

**Required:** 230--3 hrs.; 236--3 hrs.; 237--3 hrs.; 240--3 hrs.; 250--3 hrs.; 310--3 hrs.; 336--3 hrs.; 340--3 hrs.; 410--3 hrs.; 460--3 hrs.

**Electives:** 9 hours at the junior-senior level, including specifically 3 hours in American literature, 3 hours in English literature before 1800, and 3 hours in English literature since 1800. All electives must be approved by an advisor in the department.

**Required Professional Education:** English 486--3 hrs; 402--1 hr. are required in the Senior High-Junior High/Middle School Professional Education sequence described in the Department of Curriculum, Instruction, and Media Technology.

**Foreign Language Recommendation:** English majors considering graduate work in English should take substantial work in at least one foreign language. French, German, and/or Latin are recommended.

**General Education Requirements:** English teaching majors must take English 108 and 307 as General Education writing courses, and English 486 which fulfills the General Education Capstone course requirement.

Note: No course in the English major with a grade of less than C shall be counted toward teacher licensure.

*Preferred Effective Term: Summer I 2006*

# CORRECTION

The following is a correction to the Information Technology Major that appeared as approved in the April 3, 2006 issue of *Academic Notes*. The electives were published incorrectly. The correction portion appears below in [ ].

*New Catalog Copy:*

## **Information Technology Major (51 semester hours)**

### **Required Courses:**

**Basic Core (18 semester hours):** Electronics and Computer Technology 170 or Management Information Systems 110--3 hrs.; Computer Science 151--3 hrs.; 170--3 hrs.; 256--3 hrs.; Electronics and Computer Technology 172--3 hrs.; Electronics and Computer Technology 174 or 160--3 hrs.

**Second Level (18 semester hours):** Computer Science 260--3 hrs.; Electronics and Computer Technology 272 or Computer Science 320--3 hrs.; Computer Science 457--3 hrs.; Management and Information Systems 301--3 hrs.; Electronics and Computer Technology 373 or Computer Science 367--3 hrs.; Electronics and Computer Technology 437--3 hrs.

**Electives (15 semester hours):** Students, in conjunction with an advisor, select courses from the following electives. Appropriately chosen courses lead to specializations in networking, database development and administration, digital communication, and digital multimedia. [ArtD] 400K, 420, 422; Geography 242, 442, 446; Journalism 372; Computer Science 253, [258], 357, 361, 365, 440, 452, 457, 458, 463, 468, 469, 470, 471, 475, 477, 481, 483, 485; Psychology 340; Management Information Systems 276, 310, 355, 376, 380, 430, 431, 475; Electronics and Computer Technology 335, 351, 490.

*Preferred Effective Term: Fall 2006*

# FACULTY ATTENDANCE FORM

Please provide the following information concerning your plans for the Commencement so that, if attending, you can be included in the lineup.

## Attendance Form

### Check one:

I shall participate in Commencement \_\_\_\_\_

I shall NOT participate in Commencement \_\_\_\_\_

### Check one:

I have my own academic apparel \_\_\_\_\_

I have placed my order for rental of academic apparel from the ISU Bookstore (see form below) \_\_\_\_\_

Name: \_\_\_\_\_

Rank: \_\_\_\_\_

Year(s) Of Service at ISU: \_\_\_\_\_

Please send form to:

Office of the Provost and Vice President for Academic Affairs by May 3, 2006

Parsons Hall, Room 208

(812) 237-2304

FAX: (812) 237-3607