



Academic Notes

FEBRUARY 14, 2005

AN 2004-2005

****SPECIAL NOTICES****

ACADEMIC NOTES PUBLICATION SCHEDULE FOR SPRING 2005

Below is the circulation schedule for the hard copy of *Academic Notes* through May 2, 2005. An asterisk (*) indicates a curricular issue. **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^a 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. An electronic version of *Academic Notes* is available using Acrobat Reader via the ISU Web Page at – <http://web.indstate.edu/acadnotes/> –.**

ACADEMIC NOTES PUBLICATION SCHEDULE FOR SPRING 2005

<u>Deadline for Items</u>	<u>Issue Date</u>
February 16	February 21
February 23*	February 28*
March 2	March 7
March 9*	March 14*
March 16	March 21
March 23*	March 28*
March 30	April 4
April 6*	April 11*
April 13	April 18
April 20*	April 25*
April 27	May 2

¹ Due to holidays, the dates for submission and publication have been moved up or back a day.

FACULTY GOVERNMENT

UNIVERSITY FACULTY SENATE REPORT FOR FEBRUARY 8, 2005

The Faculty Senate Executive Committee met Tuesday, February 8 2005, in HMSU 227.

Administrative Report

Dr. English reminded the Committee of the Engagement event Feb. 9-11.

Chairperson Report

H. Hudson handed out the schedule for the Deans' budget presentations; reported that she and S. Lamb met with G. Floyd on report about budget, and with President Benjamin and K. on pay for performance and draft document.

Fifteen Minute Open Discussion

- presidential scholars' excellence this year;
- issues of intelligent design.

Committee Actions

- approved minutes, 7-0-2;
- received and discussed report from Benefits Committee;
- accepted FAC's report on spousal hires 8-0-1;
- did not accept FAC's performance review deadlines. (0-8-1 vote on motion to accept;
- nominated faculty representative for Deans' Review Committee;
- nominations made for Alliance for Excellence through Engagement Experience;
- discussed compensation plan.

No standing standing committee reports were given.

INDIANA STATE UNIVERSITY FACULTY SENATE

The University Faculty Senate will meet at 3:15 p.m. on Thursday, February 17, 2005, in Dede III.

Agenda

- I. Memorial: Samuel Smith
- II. Administrative Report
- III. Chair Report
- IV. SGA Report
- V. Fifteen Minute Open Discussion
- VI. Approval of the Minutes
- VII. Handbook Language: Deans' Reviews
- VIII. Old Business
- IX. New Business
- X. Standing Committee Reports

**INDIANA STATE UNIVERSITY
FACULTY SENATE
EXECUTIVE COMMITTEE**

The Executive Committee of the University Faculty Senate will meet at 3:15 p.m. on Tuesday, February 15, 2005, in Hulman Memorial Student Union 227.

Agenda

- I. Administrative Report
- II. Chair Report
- III. Fifteen Minute Open Discussion
- IV. Approval of the Minutes
- V. Standing Committee Recommendation:
 FAC: Handbook Language for Special Purpose Faculty
- VI. Old Business
- VII. New Business
- VIII. Standing Committee Reports

FACULTY SENATE STANDING COMMITTEES

STUDENT AFFAIRS COMMITTEE

The Student Affairs Committee will meet Tuesday, February 18, 2005 at 8:30 am in the Library, Room 028 [Lower Level] [Chair, Marsha Miller, Library; marshamiller@indstate.edu]. Meeting schedule: March 15, April 19.

AGENDA

- I. Call to Order
- II. Adoption of the Agenda
- III. Approval of the Minutes of January 18, 2005
- IV. Reports
 - a. Chairperson
 - b. Faculty Senate Liaison
 - c. Administrative
 - d. Student Representative
- V. Old Business
- VI. New Business

THESES, DISSERTATIONS, & RESEARCH PROJECTS

COLLEGE OF TECHNOLOGY: Ph.D. in Technology Management

Damon Holladay will defend his dissertation, entitled *Reliability Analyses and Predictive Modeling: Voltage Regulators on Electric Systems*, at 1:00 p.m. on Tuesday, March 8, 2005 in the John T. Myers Building, College of Technology room 111. The members of his committee are Dr. Bruce Dallman, Chairperson, Dr. Lee Ellingson, Dr. Jeff McNabb, Dr. Clifford Grigg, Rose Hulman Institute, and Dr. Douglas Kruger, East Carolina University.

CURRICULUM

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UNDERGRADUATE GENERAL EDUCATION PROPOSALS

COURSE REVISIONS

COLLEGE OF ARTS AND SCIENCES: Social Studies

SS 305 **Teaching Social Studies in Secondary Schools**--3 hours. Curriculum issues, methods, techniques, and goals of secondary social studies; unit organization; instructional technologies; classroom management; and testing and evaluation.

Change description to:

SS 305 **Teaching Social Studies in Secondary Schools**--3 hours. Curriculum issues, methods, techniques, and goals of secondary social studies; unit organization; instructional technologies; classroom management; and testing and evaluation. SS305 in conjunction with earned credit in SS306 fulfills the GE2000 capstone requirement for social studies majors. Prerequisite: at least 78 credit hours and seven of nine required Liberal Studies courses. See the General Education section of the Catalog for a complete description of the capstone requirement. [GE2000 capstone course (majors only)]

Preferred Effective Term: Summer I 2005

SS 306 **Interdisciplinary Perspectives in Teaching Secondary Social Studies**--3 hours. Theories and practices in using interdisciplinary approaches to teaching secondary social science.

Change description to:

SS 306 **Interdisciplinary Perspectives in Teaching Secondary Social Studies**--3 hours. Theories and practices in using interdisciplinary approaches to teaching secondary social science. SS306 in conjunction with earned credit in SS305 fulfills the GE2000 capstone requirement for social studies majors. Prerequisite: at least 78 credit hours and seven of nine required Liberal Studies courses. See the General Education section of the Catalog for a complete description of the capstone requirement. [GE2000 capstone course (majors only)]

Preferred Effective Term: Summer I 2005

UNDERGRADUATE PROPOSALS

NEW COURSE

COLLEGE OF ARTS AND SCIENCES: Art

ARTP 495 Art Internship--3-6 hours. Practical field experience in an area of art or design. Students must follow the guidelines for internships as established by the Department of Art. The number of credits will be determined in consultation with the advising faculty member.

Preferred Effective Term: Spring 2005

UNDERGRADUATE PROPOSALS: continued.

COURSE REVISION

COLLEGE OF ARTS AND SCIENCES: Art

ARTS 317 Drawing III--3 hours. A visual investigation into various traditional and non-traditional ideas, techniques, and materials in drawing. Emphasis on the development of the personal iconography of the student. Prerequisite: 316 or consent of instructor.

Change description, title, and prerequisites to:

ARTS 317 Drawing III: Figure Drawing--3 hours. Development and refinement of figure drawing skills and the conceptual concerns that pertain to the use of the human form through various drawing media, prerequisite: ARTS 215

Preferred Effective Term: Summer I 2005

COURSE BANKING

COLLEGE OF ARTS AND SCIENCES: Art

ART 100 Art Appreciation--3 hours. An appreciation of various media and styles used by visual artists, emphasizing art of the modern and contemporary periods. Includes interactive visual art experiences. For non-Department of Art majors. General Education Credits [GE89: C3; GE2000: Literary, Artistic, and Philosophical Studies-Elective]

Preferred Effective Term: Spring 2005

PROGRAM REVISION

COLLEGE OF ARTS AND SCIENCES

A.A. LIBERAL STUDIES

CONCENTRATION IN HUMAN INTERACTION AND EXPRESSION

Executive Summary:

Add a Human Interaction and Expression Concentration for the incarcerated population. This curriculum has a tightly defined set of courses appropriate for the concentration.

Rationale:

The curriculum for the incarcerated population requires a tightly defined set or courses that can be delivered by appropriately qualified faculty. Though the students will obtain the Liberal Studies Associate or Arts

degree, it is necessary administratively to define this curriculum to DARS as distinct from the on-campus program. The definition or concentration will define the curriculum officially. The catalog copy for the Liberal Studies program will remain unchanged. Students in incarcerated facilities will receive a copy of the defined curriculum, however it will not be published in the catalog, because it will not be open officially to on-campus students in the Liberal Studies program.

UNDERGRADUATE PROPOSALS: Program Revisions – A.A. Liberal Studies - continued.

Catalog Copy:

Liberal Studies Associate of Art Degree (62 semester hours)

Overall requirements: minimum 62 hours earned, min. 2.20 gpa in emphasis, min. 2.00 cumulative gpa.

Basic Studies (14 semester hours)

Required: English 101--3 hrs.; 105--3 hrs.; Communication 101--3 hrs.; Mathematics 102--3 hrs.; University 101--2 hrs.

*Waiver of Foreign Language

*Waiver of Information Technology

*Waiver of Physical Education

Liberal Studies (24 semester hours)

Required: Geography 111--3 hrs., or Geology 160--3 hrs., or Life Sciences 112--3 hrs. (SMS:F); Geography 111--3 hrs., or Geology 160--3 hrs., or Life Sciences 112--3 hrs., or Family and Consumer Sciences 201--3 hrs. (choose one not already used for SMS:F) (SMS:E); Sociology 10--3 hrs. (SBS:F); Psychology 101--3 hrs. (SBS:E); English 219--3 hrs., or 231--3 hrs., or 239--3 hrs. (LAPS:LL); English 130--3 hrs. or Music 233-3 hrs. (LAPS:E); History 201--3 hrs. or 202--3 hrs. (HS); Political Science 107--3 hrs. (MCS: US)

* Waiver of Science Lab

Concentration in Human Interaction and Expression (24 semester hours)

Required: Art 151--3 hrs. or Art History 271--3 hrs.; History 201--3 hrs. or 202--3 hrs. (whichever was not taken for Liberal Studies); Economics 100--3 hrs.; English 130--3 hrs. or Music 233--3 hrs. (whichever was not taken for Liberal Studies); English 219--3 hrs., or 231--3 hrs., or 239-3 hrs. (whichever was not taken for Liberal Studies); Criminology 150--3 hrs., or 280--3 hrs., or Communication 105--3 hrs.; Psychology 266--3 hrs.; Sociology 220--3 hrs.

Preferred Effective Term: Fall 2005

GRADUATE PROPOSALS

NEW COURSE

COLLEGE OF ARTS AND SCIENCES: Language, Literatures, and Linguistics

LLL 590 Language Teaching Methods--3 hours. An examination of past and current methods
Academic Notes

and techniques for language teaching. Students will examine, develop, and evaluate curriculum materials for the language classroom and demonstrate application of teaching and learning theory through microteaching lessons.

Preferred Effective Term: Summer I 2005

GRADUATE PROPOSALS: continued.

COURSE REVISIONS

COLLEGE OF ARTS AND SCIENCES: Political Science

PA 609 Ethical Concerns in Current American Public Administration--3 hours. Ethical problems and concerns for public administrators, as these are being raised and framed by the National Association of Schools of Public Affairs and Administration (NASPAA). Survey of the work of leading authors closely connected with the evolving NASPAA ethics project. A major research paper will be required.

Change description to:

PA 609 Ethical Concerns in Current American Public Administration--3 hours. This course reviews theories of ethics and principles of ethics applied to management in the public sector. It deals with ethical issues that may confront the public manager. Accountability, discretion, working in the public interest, and influence of public administrators on public policy are reviewed. The course emphasizes practical approaches to ethical dilemmas in public administration

Preferred Effective Term: Spring 2005

PA 697 Research Seminar in Public Administration--3 hours. This course will provide supervised research experience to non-thesis M.P.A. students. Each class member will produce a major research paper and make a formal presentation in an open forum. The class will meet regularly to consider methodological innovations, research designs, and progress reports on individual projects.

Change description and title to:

PA 697 Capstone Research Course in Public Administration--3 hours. This is a directed research course that will be taken by each MPA student during her or his final semester in the MPA program. Under the supervision of one or more members of the political science and public administration faculty, students will develop projects suitable for presentation at a public forum. Faculty will judge each project and presentation either as pass or fail. Judgments will be based on form, style, substance, and presentation of each project. Passage of this course is the final step toward the award of the MPA.

Preferred Effective Term: Summer I 2005

COURSE BANKING

COLLEGE OF ARTS AND SCIENCES: Political Science

PA 604 Research Methods in Public Administration--3 hours. Application of social science research methodology in conducting empirical research in organizational and public policy analysis. Applications of survey research will be emphasized.

Preferred Effective Term: Summer I 2005

UNDERGRADUATE APPROVALS

COURSE REVISIONS

COLLEGE OF ARTS AND SCIENCES: African and African American Studies

AFRI 390 Introduction to Research Methods in African and African American Studies--3 hours. This course is an introduction to the basic research methods used in African and African American studies. It examines historical, anthropological, behavioral, and critical methods. Attention is given to the methodological foundations of the African-centered method in the research methods used in the social and behavioral sciences, as well as some of the primary methods used in the humanities. An introductory course, it is primarily tailored to persons who are not experienced in research methods. The two major objectives of the course are to acquaint students with research methods, procedures, and terminology so that they are able to read and understand published research articles using the basic methods, and to give them some of the major skills needed to develop their own original research projects. In terms of the first objective (reading and understanding published articles) students will find that some methods are fairly common sense oriented (e.g., content analysis, historical analysis, observation), while other methods (e.g., experimental, survey design, and other quantitative methods) are somewhat more technical. More time will be spent on the latter group.

Change description and prerequisites to:

AFRI 390 Introduction to Research Methods in African and African American Studies--3 hours. An introduction to research methods in African and African American Studies. Topics will include bibliography, editing, survey design and implementation, and exercises intended to familiarize the student with various research sources, tools and databases. Prerequisites: Completion of 18 hours in African and African American Studies, including AFRI 113, AFRI 212, AFRI 222, AFRI 312 for majors; completion of AFRI 113, AFRI 212, and AFRI 222, AFRI 312 for minors; non-majors and minors admitted by Departmental permission only.

Preferred Effective Term: Summer I 2005

AFRI 486 Senior Seminar in African and African American Studies--3 hours. Open to senior African and African American studies majors and, with the permission of the instructor, to other advanced undergraduates. An in-depth study of a specific topic using interdisciplinary methods of inquiry. Topics of the course will vary. Students will be expected to write a major paper for the course.

Change description and prerequisites to:

AFRI 486 Senior Seminar in African and African American Studies--3 hours. An in-depth study of a topic or topics determined by the instructor. This course will provide a culminating experience for students in African and African American Studies, building upon previous course work in the discipline. Course work may include research projects, seminars, and service learning experiences. Pre-Requisites: Completion of 30 hours in African and African American Studies, including AFRI

UNDERGRADUATE APPROVALS: Course Revisions – ARFI 486- continued.

390 for majors; completion of AFRI 390 for minors; non-majors and minors students admitted by Departmental permission only.

Preferred Effective Term: Summer I 2005

COLLEGE OF ARTS AND SCIENCES: Life Sciences

LIFS 372 Clinical Microscopy--2 hours. Microscopic examination and evaluation of both stained and unstained clinical specimens including urine, blood, etc., emphasizing form and function of the formed elements. Body fluid (renal, circulatory, central nervous system, pleural, etc.) physiology, chemical and cellular constituents will be studied and correlated to observations of the corresponding specimen. Prerequisite: concurrent enrollment in 372L.

Change number and prerequisites to:

LIFS 272 Clinical Microscopy--2 hours. Microscopic examination and evaluation of both stained and unstained clinical specimens including urine, blood, etc., emphasizing form and function of the formed elements. Body fluid (renal, circulatory, central nervous system, pleural, etc.) physiology, chemical and cellular constituents will be studied and correlated to observations of the corresponding specimen. Corequisite: 272L. Offered Spring

Preferred Effective Term: Fall 2005

LIFS 372L Clinical Microscopy Laboratory--1 hour. Laboratory microscopic study of normal and abnormal urinary sediments, clinical serology tests. Prerequisite: concurrent enrollment in 372. Offered: spring.

Change number and prerequisites to:

LIFS 272L Clinical Microscopy Laboratory--1 hour. Laboratory microscopic study of normal and abnormal urinary sediments, clinical serology tests. Corequisite: 272. Offered: spring.

Preferred Effective Term: Fall 2005

LIFS 373 Hematology--2 hours. Basic theory related to morphology, maturation, and function of normal and abnormal blood cells in view of patho-physiology. Prerequisite: concurrent enrollment in 373L.

Change number and prerequisites to:

LIFS 273 Hematology--2 hours. Basic theory related to morphology, maturation, and function of normal and abnormal blood cells in view of patho-physiology. Corequisite: 273L. Offered

fall.

Preferred Effective Term: Fall 2005

LIFS 373L Hematology Laboratory--1 hour. Laboratory emphasis on cell counts, cellular differentiation, basic instrumentation, and quality control. Prerequisite: concurrent enrollment in 373. Offered fall.

Change number and prerequisites to:

UNDERGRADUATE APPROVALS: Course Revisions – LIFS 273L - continued.

LIFS 273L Hematology Laboratory--1 hour. Laboratory emphasis on cell counts, cellular differentiation, basic instrumentation, and quality control. Corequisite: 273. Offered fall.

Preferred Effective Term: Fall 2005

COLLEGE OF ARTS AND SCIENCES: Life Sciences

The department and dean's office request that the following courses be moved from the LIFS prefix to the new prefix, BIOL. Courses that are part of the General Education and/or teacher education program are marked. No changes to individual courses will take place at this time.

LIFS to BIOL (undergraduate courses)

101/101L Principles of Biology I [GE 89] Science Education core course

102 102L Principles of Biology II [GE 89] Science Education core course

112/112L Human Aspects of Biology [GE89; GE2000: SMS:F]

113 Survey of the Plant Kingdom [GE 89; GE2000: SMS:E]

192 Special Projects in Life Sciences

199 Honors Summer Semester for High School Students

310 The Teaching of Life Sciences in Secondary Schools

330/330L General Physiology

350/350L Ecology and Evolution

374/374L Cellular and Molecular Biology

380/380L Genetics

410 History of Biology [GE89; GE2000 SMS:E]

480 General Evolution

485 Introduction Biometry

490 Seminar in Life Sciences

491 (H) Special Topics in Life Sciences

492 Special Problems in Life Sciences

497 Current and Historical Issues in Science and Capstone Research Development
[GE2000:Capstone]

498 Capstone Research [GE2000: Capstone]

499 Research Capstone Presentation [GE2000: Capstone]

Preferred Effective Term: Summer I 2005

COLLEGE OF ARTS AND SCIENCES: Life Sciences

The department and the dean's office request that the following courses be moved from the LIFS prefix to the new prefix, ECOL. Courses that are part of the General Education program are marked. No changes to individual courses will take place at this time.

UNDERGRADUATE APPROVALS: Course Revisions- Life Sciences – continued.

LIFS to ECOL (undergraduate courses)

114-B Conversational Biology: Energy Flow in the Living World
415 Natural History: A Study of the Diversity of Life [GE89; GE2000: SMS:E]
421 Entomology
424/424L Vertebrate Zoology
425/425L Herpetology
426/426L Ornithology
427/427L Plant Taxonomy
428/428L Mammalogy
450 Advanced Ecology
451 Field Study of Ecosystems
454 Animal Behavior
455 Humans and the World Environment [GE89; GE2000 SMS:E]
458/458L Wildlife Management
465 Fundamentals of Tree-Ring Research (also listed as ANTH465, GEOL 465, GEOG 465)

Preferred Effective Term: Summer I 2005

COURSE ELIMINATION

COLLEGE OF ARTS AND SCIENCES: African and African American Studies

AFRI 286 **Fundamentals in African and African American Studies**-- 1 hour. The primary goal of this course is to plan and carry out the most appropriate curricular and educational program for majors and minors in African and African American studies. To do this, an inherent purpose of the assessment must be to determine the specific skill level of the students relative to the task to be performed, be it an academic or social task. The obtainable assessment information will allow the instructors in African and African American studies to specify more exactly the scholastic achievement and progress of the students, as well as educational strategies to be used within the program. The primary purposes of assessment in the Department of African and African American Studies are identified as: developing the most appropriate education program for the students; making decisions relative to

placement of students in required and elective courses; and outlining the evaluation procedures that are to be used in determining the effectiveness of the students' individual educational program in meeting identified goals and objectives. These purposes will provide the basis from which to determine or to account for the effects that a particular course will have on student performance.

Preferred Effective Term: Spring 2005

UNDERGRADUATE APPROVALS: continued.

PROGRAM REVISIONS

COLLEGE OF ARTS AND SCIENCES LIFE SCIENCES TO CREATE PREFIXES FOR BIOL AND ECOL

Executive Summary:

Create two new course prefixes: Biology (BIOL) and Ecology (ECOL). Courses will be moved to these prefixes in a separate action.

Rationale:

The Department of Life Sciences has been reorganized into two departments, Life Sciences and Ecology and Organismal Biology.

All undergraduate and graduate courses offered by the current Department of Life Sciences carry the prefix LIFS. The Dean and the department representatives have agreed to house courses under three prefixes: LIFS, ECOL and BIOL. The specific courses have been identified and will be moved in a separate action.

Preferred Effective Term: Summer I 2005

COLLEGE OF ARTS AND SCIENCES LIFE SCIENCES CLINICAL LABORATORY SCIENCE

Executive Summary:

In order to resolve inconsistencies in the catalog created when the CLS program merged with Life Sciences, the Department proposes the following revisions to the CLS curriculum:

Add required Life Sciences:

300/400 elective 3 hrs.

LIFS 380/380L

LIFS 375/375L

Change course numbers:

LIFS 372/372L to LIFS 272/272L

LIFS 373/373L to LIFS 273/273L

UNDERGRADUATE APPROVALS: Program Revisions – Clinical Laboratory Science - continued.

Rationale:

It is apparent from research done in Academic Affairs and the Dean's office that 375/375L were inadvertently left out of the catalog copy. LIFS 380/380L were added to the LIFS curriculum shortly before CLS was merged into the department and paperwork was never completed to bring the CLS program in line with the LIFS curriculum.

When the CLS courses were moved into Life Sciences, several course numbers were changed. The Department has concluded that the courses are in fact 200-level courses and course numbers should reflect this.

Old Catalog Copy

Clinical Laboratory Science Curricula

Major (3-plus-1 Program)(52 semester hours)

Required Life Sciences: 101--3 hrs.; 101L--1 hr.; 102--3 hrs.; 102L--1 hr.; 241--2 hrs.; 241L--1 hr.; 372--2 hrs.; 372L--1 hr.; 373--2 hrs.; 373L--1 hr.; 374--3 hrs.; 374C--2 hrs.

Required fourth year Life Sciences courses: 470C, 471C, 472C, 473C, 474C, 475C, 476C--32-34 hrs.

Prerequisites include the following: Chemistry 105--3 hrs.; 105L--1 hr.; 106--3 hrs.; 106L--1 hr.; 351--3 hrs.; 351L--1 hr.; 352--3 hrs.; 300/400-level electives--4 hrs.; Mathematics 115 or 241--3 hrs.; Physics 105--3 hrs., 105L--1 hr.

New Catalog Copy

Clinical Laboratory Science Curricula

Major (3-plus-1 Program)(64 semester hours)

Required Life Sciences: 101--3 hrs.; 101L--1 hr.; 102--3 hrs.; 102L--2 hrs.; 241--2 hrs.; 241L--1 hr.; 272--2 hrs.; 272L--1 hr.; 273--2 hrs.; 273L--1 hr.; 374--3 hrs.; 374C--2 hrs.; 375--2 hrs.; 375L--1 hr.; 380--3 hrs.; 380L--1 hr.; 300/400-level elective--3 hrs.

Required fourth year Life Sciences courses: 470C, 471C, 472C, 473C, 474C, 475C, 476C--32-34 hrs.

Prerequisites include the following: Chemistry 105--3 hrs.; 105L--1 hr.; 106--3 hrs.; 106L--1 hr.; 351--3 hrs.; 351L--1 hr.; 352--3 hrs.; 300/400-level electives--4 hrs.; Mathematics 115 or 241--3 hrs.; Physics 105--3 hrs., 105L--1 hr.

Preferred Effective Term: Fall 2005

GRADUATE APPROVALS

COURSE REVISIONS

COLLEGE OF ARTS AND SCIENCES: Life Sciences

The department and dean's office request that the following courses be moved from the LIFS prefix to the new prefix, BIOL. No changes to individual courses will take place at this time.

LIFS to BIOL (graduate courses)

523/L Animal Parasitology
580 General Evolution
585 Introduction to Biometry
609/L Collecting and Analyzing Biological Data
610 Seminar: Preparation for College Teaching
630 Seminar: Physiology
640 Seminar: Graduate Student Research
660 Seminar: Grant Preparation
690 Seminar: Life Sciences
691 Special Topics in Life Sciences
692 Research in Life Sciences
699 Master's Thesis
899 Doctoral Dissertation

Preferred Effective Term: Summer I 2005

COLLEGE OF ARTS AND SCIENCES: Life Sciences

The department and the dean's office request that the following courses be moved from the LIFS prefix to the new prefix, ECOL. No changes to individual courses will take place at this time.

LIFS to ECOL (Graduate courses)

521 Entomology
524/L Vertebrate Zoology
525/L Herpetology
526/L Ornithology
527/L Plant Taxonomy
528/L Mammalogy
532/L Vertebrate Physiology
550 Advanced Ecology
551 Field Study of Ecosystems
554 Animal Behavior
558/L Wildlife Management
565 Fundamentals of Tree-Ring Research (also listed as ANTH 565, GEOL 565, GEOG 565)
GRADUATE APPROVALS: Course Revisions – LIFS to ECOL - continued.

620 Seminar: Systematics
624 Ichthyology
650 Seminar: Ecology
657 Biogeography

Preferred Effective Term: Summer I 2005

PROGRAM REVISIONS

COLLEGE OF ARTS AND SCIENCES LIFE SCIENCES TO CREATE PREFIXES FOR BIOL AND ECOL

Executive Summary:

Create two new course prefixes: Biology (BIOL) and Ecology (ECOL). Courses will be moved to these prefixes in a separate action.

Rationale:

The Department of Life Sciences has been reorganized into two departments, Life Sciences and Ecology and Organismal Biology.

All undergraduate and graduate courses offered by the current Department of Life Sciences carry the prefix LIFS. The Dean and the department representatives have agreed to house courses under three prefixes: LIFS, ECOL and BIOL. The specific courses have been identified and will be moved in a separate action.

Preferred Effective Term: Summer I 2005

PROPOSALS

UNDERGRADUATE COURSES SCHEDULED FOR ANNUAL BANKING

COLLEGE OF ARTS AND SCIENCES: African and African American Studies

AFRI 345 [no description available]

AFRO 413 [no description available]

COLLEGE OF ARTS AND SCIENCES: Communication

COMM 160 [no description available]

COMM 425 [no description available]

COMM 426 [no description available]

COMM 427 [no description available]

COMM 471 [no description available]

COLLEGE OF ARTS AND SCIENCES: Economics

ECON 100I [no description available]

ECON 198 [no description available]

ECON 280 [no description available]

ECON 322 [no description available]

ECON 352 [no description available]

ECON 361 [no description available]

ECON 403H [no description available]

ECON 406 [no description available]

ECON 411 [no description available]

ECON 414 [no description available]

UNDERGRADUATE COURSES TO BE BANKED—CONTINUED.

ECON 430 [no description available]

ECON 443 [no description available]

ECON 470 [no description available]

ECON 498B [no description available]

ECON 498C [no description available]

ECON 498D [no description available]

ECON 498H [no description available]

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

ANTH 370 [no description available]

COLLEGE OF ARTS AND SCIENCES: History

SS 304 [no description available]

COLLEGE OF ARTS AND SCIENCES: Language, Literatures, and Linguistics

***FREN 454** **Comedies of Moliere**--3 hours. The principal comedies, sources, characters, influence.

GERM 302 [no description available]

GERM 464 [no description available]

GERM 476 [no description available]

LAT 211 [no description available]

LAT 212 [no description available]

RUSS 394 [no description available]

SPAN 390 [no description available]

SPAN 411 [no description available]

SPAN 485 [no description available]

UNDERGRADUATE COURSES TO BE BANKED—CONTINUED.

SPAN 492 [no description available]

COLLEGE OF ARTS AND SCIENCES: Life Sciences

LIFS 361 [no description available]

LIFS 403L [no description available]

LIFS 407L [no description available]

LIFS 415L [no description available]

LIFS 441 **Histology and Microtechnique--4 hours.** Lecture and Laboratory studies of the principal animal tissues at the microscopic and submicroscopic levels. Includes slide preparation. Prerequisite: 102.

LIFS 441L [no description available]

LIFS 447L [no description available]

LIFS 451L [no description available]

LIFS 485L [no description available]

COLLEGE OF ARTS AND SCIENCES: Music

MUS 183 [no description available]

MUS 184 [no description available]

MUS 190 **Summer Workshop for High School Students--1 hour.** A series of music workshops providing an opportunity for high school students (grades 9 through 12) to receive musical instruction and ensemble experience under the direction of University and guest faculty.

MUS 464 [no description available]

COLLEGE OF ARTS AND SCIENCES: Philosophy

PHIL 195A [no description available]

COLLEGE OF ARTS AND SCIENCES: Psychology

PSY 455 **Animal Behavior--3 hours.** Introduction to the comparative study of animal, primarily infrahuman, behavior. Prior study in experimental approaches to behavior and/or zoology is recommended. Prerequisites: 201 or consent of instructor.

UNDERGRADUATE COURSES TO BE BANKED—CONTINUED.

PSY 486D [no description available]

PSY 490G [no description available]

COLLEGE OF ARTS AND SCIENCES: Theater

THTR 374 **Costume Construction—2 hours.** Can be taken twice for credit. Through demonstration and hands on application students will be instructed in the use and application of construction techniques of the costume workroom. Students will learn the process of building a theatrical costume including taking accurate measurements, sizing and cutting patterns, fabric choices, and handling, stitching, and fitting the garment on the actor.

COLLEGE OF EDUCATION: Early, Elementary, and Special Education

ELED 484 [no description available]

ELED 495J [no description available]

SPED 488B [no description available]

COLLEGE OF NURSING: Nursing

NURS 400L [no description available]

COLLEGE OF TECHNOLOGY: Manufacturing and Construction Technology

MCT 459A [no description available]

MCT 490A [no description available]

MCT 490P [no description available]

MCT 493A [no description available]

GRADUATE COURSES SCHEDULED FOR ANNUAL BANKING

COLLEGE OF ARTS AND SCIENCES: Communication

COMM 525 [no description available]

COMM 526 [no description available]

COMM 571 [no description available]

COLLEGE OF ARTS AND SCIENCES: Economics

ECON 501 [no description available]

ECON 542 [no description available]

ECON 546 [no description available]

ECON 547 [no description available]

ECON 551 [no description available]

ECON 575 [no description available]

ECON 600 [no description available]

ECON 605 [no description available]

ECON 621 [no description available]

ECON 670 [no description available]

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

ANTH 504 [no description available]

COLLEGE OF ARTS AND SCIENCES: History

SS 510E [no description available]

COLLEGE OF ARTS AND SCIENCES: Family and Consumer Sciences

FCS 675 **Consumers and the Market--3 hours.** Consumption of theories, market

structures, degrees of competition, and institutional restrictions within the consumption sector of the economy and the implications for individuals and families. Prerequisite: 475 or Economics 200 or 201 or consent of instructor.
GRADUATE COURSES TO BE BANKED—CONTINUED.

FCS 677 Seminar in Consumer Economics--3 hours Current trends in consumer economics and their effects on the family. Prerequisite: 301 or 475 or Finance 308 or consent of instructor.

FCS 683 Vocational Curriculum Development and Implementation--3 hours. An advanced course for the secondary and postsecondary vocational administrator which examines the process and procedures in developing, initiating change in, and evaluating vocational curricula in the various disciplines. Prerequisite: consent of instructor. (Also listed as ASBE 683 and Industrial Technology Education 683).

COLLEGE OF ARTS AND SCIENCES: Humanities

HUM 645C Topics in Humanities--3 hours. Topics vary each semester. May be repeated for credit when topic is different.

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

***FREN 554 [no description available]**

FREN 631 [no description available]

FREN 641 [no description available]

GERM 503D [no description available]

GERM 695 [no description available]

SPAN 503D [no description available]

SPAN 511 [no description available]

SPAN 560 [no description available]

SPAN 585 [no description available]

SPAN 592 [no description available]

SPAN 695A [no description available]

SPAN 695B [no description available]

SPAN 699 [no description available]

GRADUATE COURSES TO BE BANKED—CONTINUED.

COLLEGE OF ARTS AND SCIENCES: Life Sciences

LIFS 537 [no description available]

LIFS 537L [no description available]

LIFS 541 [no description available]

LIFS 541L [no description available]

LIFS 551L [no description available]

LIFS 585L [no description available]

LIFS 631 [no description available]

LIFS 631L [no description available]

LIFS 631L [no description available]

LIFS 632 [no description available]

LIFS 632L [no description available]

LIFS 632L [no description available]

LIFS 634L [no description available]

LIFS 635 [no description available]

COLLEGE OF ARTS AND SCIENCES: Music

MUS 564 [no description available]

MUS 646 [no description available]

COLLEGE OF ARTS AND SCIENCES: Philosophy

PHIL 640A An Individual Philosopher--3 hours. May be repeated for a maximum of 9 credit hours with a change in philosopher studied.

COLLEGE OF ARTS AND SCIENCES: Physics

PHYS 520 Thermodynamics and Statistical Mechanics--3 hours. The laws of thermodynamics and their practical applications, work, heat, entropy, enthalpy, partition function, heat engines, and refrigerators; Planck's radiation law.

GRADUATE COURSES TO BE BANKED—CONTINUED.

PHYS 593 Nuclear Physics--3 hours. Nuclear reactions, quantum properties, nuclear radiation, radiation detection, instrumentation, statistics in nuclear processes, neutron physics, nuclear structure, and elementary particles. Prerequisite: 573 should be taken concurrently.

COLLEGE OF ARTS AND SCIENCES: Psychology

PSY 555 Animal Behavior--3 hours. Introduction to the comparative study of animal, primarily infrahuman, behavior. Prior study in experimental approaches to behavior and/or zoology is recommended. Prerequisite: 201 or consent of instructor.

PSY 590G Seminar in Psychology--1-3 hours. A topic of contemporary interest in psychology will be offered for intensive study. May be repeated for credit if taken in different areas. Prerequisite: consent of instructor.

COLLEGE OF ARTS AND SCIENCES: Theater

THTR 607 Principles of Costume Design for the Theater--3 hours. The principles and practices of theatrical costume design.

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

URSC 684F [no description available]

COLLEGE OF EDUCATION: Educational and School Psychology

EPSY 690B [no description available]

COLLEGE OF EDUCATION: Early, Elementary, and Special Education

ELED 595I [no description available]

ELED 595J [no description available]

ELED 595L [no description available]

ELED 595N [no description available]

ELED 595R [no description available]

ELED 595V [no description available]

ELED 595X [no description available]

GRADUATE COURSES TO BE BANKED—CONTINUED.

ELED 792 Field Research Projects--1-3 hours. Designed to permit an advanced graduate student to test a theory or hypothesis in instruction, curriculum, or leadership. Emphasis will be placed on the design, application, and evaluation of the project. May be repeated, but no more than 6 semester hours may be counted toward meeting degree requirements.

COLLEGE OF HEALTH AND HUMAN PERFORMANCE: Athletic Training

ATTR 556 [no description available]

COLLEGE OF TECHNOLOGY: Manufacturing and Construction Technology

MCT 503 [no description available]

MCT 511 [no description available]

MCT 593 (B-Z) Construction, Manufacturing, or Printing Technology Workshop- 1-3 hours. The content of each workshop will relate to the new and current developments in the various technological areas.

UNDERGRADUATE COURSES SCHEDULED FOR ANNUAL DELETION

COLLEGE OF ARTS AND SCIENCES: African and African American Studies

AFRI 299E [no description available]

AFRI 299G [no description available]

AFRO 222 [no description available]

AFRO 321 [no description available]

AFRO 330A [no description available]

AFRO 394 [no description available]

AFRO 403 [no description available]

AFRO 423P [no description available]

AFRO 492 [no description available]

UNDERGRADUATE COURSES TO BE DELETED—CONTINUED.

AFRO 499A [no description available]

AFRO 499B [no description available]

AFRO 499C [no description available]

AFRO 499D [no description available]

AFRO 499E [no description available]

AFRO 499F [no description available]

AFRO 499G [no description available]

AFRO 499H [no description available]

AFRO 499I [no description available]

AFRO 499J [no description available]

AFRO 499L [no description available]

AFRO 499M [no description available]

AFRO 499N [no description available]

COLLEGE OF ARTS AND SCIENCES: Art

ART 103 [no description available]

ART 225 [no description available]

ART 290 [no description available]

ART 291 [no description available]

ART 326 [no description available]

ART 327 [no description available]

ART 351 [no description available]

ART 401C [no description available]

ART 425 [no description available]

UNDERGRADUATE COURSES TO BE DELETED—CONTINUED.

ART 426 [no description available]

ART 427 [no description available]

ART 433 [no description available]

ART 473 [no description available]

ART 474C [no description available]

ART 475 [no description available]

ART 477 [no description available]

ART 486 [no description available]

ART 487 [no description available]

ART 490 [no description available]

ART 492 [no description available]

COLLEGE OF ARTS AND SCIENCES: Chemistry

CHEM 301 **Topics in Chemical Techniques--1-3 hours.** Principles and applications of special laboratory techniques used in chemical research. Specific course title will be listed when

course is scheduled.

CHEM 361 Introduction to Chemical Programming--3 hours. The structure of computational language and its use in the acquisition and analysis of scientific data. Prerequisite: 106 or 108.

CHEM 463 Radioisotope Techniques--2 hours. Practice in the handling of radioisotopes and in the characteristics and use of radiation detection equipment. Two laboratories per week. Prerequisite: 462 or consent of instructor.

CHEM 468 Physical Chemistry III--3 hours. An introduction to quantum mechanics and statistical mechanics with applications to molecular spectroscopy and other selected topics. No laboratory. Prerequisites: 462 and Mathematics 330.

CHEM 459B [no description available]

COLLEGE OF ARTS AND SCIENCES: English

ENG 104L [no description available]

UNDERGRADUATE COURSES TO BE DELETED—CONTINUED.

ENG 105L [no description available]

ENG 298 [no description available]

ENG 298H [no description available]

ENG 330C [no description available]

ENG 330D [no description available]

ENG 330E [no description available]

ENG 330F [no description available]

ENG 330G [no description available]

ENG 330H [no description available]

ENG 330J [no description available]

ENG 330K [no description available]

ENG 330L [no description available]

ENG 330M [no description available]

ENG 330N [no description available]

ENG 330P [no description available]

ENG 330Q [no description available]

ENG 330R [no description available]

ENG 330S [no description available]

ENG 330T [no description available]

ENG 330U [no description available]

ENG 330V [no description available]

ENG 379A [no description available]

ENG 398 [no description available]

UNDERGRADUATE COURSES TO BE DELETED—CONTINUED.

ENG 419A [no description available]

ENG 439B [no description available]

ENG 439C [no description available]

ENG 439D [no description available]

ENG 439E [no description available]

ENG 439F [no description available]

ENG 439G [no description available]

ENG 439H [no description available]

ENG 439I [no description available]

ENG 439J [no description available]

ENG 439L [no description available]
ENG 439M [no description available]
ENG 439N [no description available]
ENG 446B [no description available]
ENG 446C [no description available]
ENG 446D [no description available]
ENG 446F [no description available]
ENG 446G [no description available]
ENG 447C [no description available]
ENG 447D [no description available]
ENG 447E [no description available]
ENG 447G [no description available]
ENG 447I [no description available]
UNDERGRADUATE COURSES TO BE DELETED—CONTINUED.
ENG 447K [no description available]
ENG 447L [no description available]
ENG 448A [no description available]
ENG 448B [no description available]
ENG 448C [no description available]
ENG 448E [no description available]
ENG 448G [no description available]
ENG 448I [no description available]
ENG 448J [no description available]

ENG 462A [no description available]

ENG 462D [no description available]

ENG 462E [no description available]

ENG 462G [no description available]

ENG 463A [no description available]

ENG 379A [no description available]

ENG 463C [no description available]

ENG 463D [no description available]

ENG 463E [no description available]

COLLEGE OF ARTS AND SCIENCES: Family and Consumer Sciences

FCS 155 [no description available]

FCS 364 [no description available]

FCS 463 [no description available]

UNDERGRADUATE COURSES TO BE DELETED—CONTINUED.

COLLEGE OF ARTS AND SCIENCES: Geology

GEO 107 [no description available]

GEO 153L [no description available]

GEO 171 [no description available]

GEO 315 [no description available]

GEO 354L [no description available]

GEO 441L [no description available]

GEO 451L [no description available]

GEO 452L [no description available]

GEO 455L [no description available]

GEO 461H [no description available]

GEO 462L [no description available]

GEO 463L [no description available]

GEO 484 [no description available]

COLLEGE OF ARTS AND SCIENCES: History

HIST 100A [no description available]

HIST 100B [no description available]

HIST 100C [no description available]

HIST 100D [no description available]

HIST 100E [no description available]

HIST 100F [no description available]

HIST 100G [no description available]

HIST 100H [no description available]

UNDERGRADUATE COURSES TO BE DELETED—CONTINUED.

HIST 100I [no description available]

HIST 100J [no description available]

HIST 100K [no description available]

HIST 100L [no description available]

HIST 100M [no description available]

HIST 100N [no description available]

HIST 309 [no description available]

COLLEGE OF ARTS AND SCIENCES: Language, Literatures, and Linguistics

FL 199 [no description available]

FL 463 [no description available]

FL 563 [no description available]

FREN 101L [no description available]

FREN 102L [no description available]

FREN 201L [no description available]

FREN 202L [no description available]

GERM 101L [no description available]

GERM 102L [no description available]

GERM 201L [no description available]

GERM 202L [no description available]

GERM 390 [no description available]

GERM 407 [no description available]

GERM 461 [no description available]

GERM 462 [no description available]

UNDERGRADUATE COURSES TO BE DELETED—CONTINUED.

ITAL 101L [no description available]

ITAL 102L [no description available]

ITAL 202L [no description available]

LAT 102L [no description available]

LAT 212L [no description available]
RUSS 101L [no description available]
RUSS 102L [no description available]
RUSS 161 [no description available]
RUSS 162 [no description available]
RUSS 202L [no description available]
RUSS 212 [no description available]
RUSS 214 [no description available]
RUSS 301 [no description available]
RUSS 302 [no description available]
RUSS 302L [no description available]
RUSS 308 [no description available]
RUSS 371 [no description available]
RUSS 372 [no description available]
RUSS 376 [no description available]
RUSS 381 [no description available]
RUSS 474 [no description available]
SPAN 101A [no description available]

SPAN 101B [no description available]

UNDERGRADUATE COURSES TO BE DELETED—CONTINUED.

SPAN 101C [no description available]

SPAN 101L [no description available]

SPAN 102L [no description available]

SPAN 201L [no description available]

SPAN 202L [no description available]

COLLEGE OF ARTS AND SCIENCES: Life Sciences

CLS 440 [no description available]

CLS 450 [no description available]

LIFS 361 [no description available]

LIFS 403L [no description available]

LIFS 415L [no description available]

LIFS 441L [no description available]

LIFS 447L [no description available]

LIFS 451L [no description available]

COLLEGE OF ARTS AND SCIENCES: Physics

PHYS 100 [no description available]

PHYS 303 [no description available]

PHYS 340 [no description available]

PHYS 385B [no description available]

PHYS 407 [no description available]

COLLEGE OF ARTS AND SCIENCES: Political Science

PSCI 105L [no description available]

PSCI 130L [no description available]

UNDERGRADUATE COURSES TO BE DELETED—CONTINUED.

PSCI 170L [no description available]

PSCI 201L [no description available]

PSCI 230 [no description available]

PSCI 301 [no description available]

PSCI 398 [no description available]

PSCI 399 [no description available]

PSCI 412 [no description available]

PSCI 492 [no description available]

PSCI 498H [no description available]

COLLEGE OF ARTS AND SCIENCES: Psychology

PSY 486N [no description available]

PSY 486Q [no description available]

PSY 490A [no description available]

PSY 490B [no description available]

PSY 490F [no description available]

PSY 490L [no description available]

COLLEGE OF ARTS AND SCIENCES: Sociology

SOC 343 **Social Control--3 hours.** The processes through which order is established in society from the internalization of group norms to institutional control; the nature, significance, types, techniques, and problems of social control; and examination of various theories of social control. Prerequisite: 120. 6

SOC 442 **Small Group Dynamics--3 hours.** Social interaction and social processes in the small group context, group norms, conformity, behavioral change, formal and informal structures, communication networks, leadership patterns, and group interaction processes. Prerequisite: 6 hours of sociology or consent of instructor.

UNDERGRADUATE COURSES TO BE DELETED—CONTINUED.

- SOC 447 Social Attitude Theory and measurement--3 hours.** Attitude as a basic construct in social psychology, basic properties of an attitude, techniques of attitude measurement, and the selection and use of appropriate measures. Prerequisite: 6 hours of sociology or consent of the instructor.
- SOC 449 Experimental Social Psychology--3 hours.** Experimental research methods in social psychology with planned research investigation. Designing field and laboratory social psychology experiments, including data analysis and selected specialized techniques. Prerequisite: 6 hours of sociology or consent of instructor.
- SOC 452 Sociology of Communication--3 hours.** The role of communication in social interaction and change. Among topics discussed are group, structure, mass media, opinion leadership, and diffusion of innovations. Prerequisite: 6 hours of sociology or consent of instructor.
- SOC 468 Education and Modern Society--3 hours.** The sociological analysis of the role of education in modern society, as an agent of socialization, and a force in social change. Relations with other social institutions are studied, as are cross-cultural comparisons. Prerequisite: 6 hours of sociology or consent of instructor.

COLLEGE OF HEALTH AND HUMAN PERFORMANCE: Recreation and Sport Management

- RCSM 120 Bass Fishing Techniques with Artificial Bait- 1 hour.** Considers different types of rods reels, lines, and lures; bait and spin casting; spinning and fly casting; lake analysis; structure fishing; and other aspects of bass fishing and conservation.
- RCSM 160 Leisure in Society- 3hours.** Historical and contemporary interactions of leisure with social institutions and the environment; potential benefits/hazards of leisure opportunities; availability of leisure opportunities to individuals and communities. Not open to majors. May be applied to General Education. (Field trip required.)
- RCSM 268 [no description available]**
- RCSM 335 [no description available]**
- RCSM 350 [no description available]**
- RCSM 362 Program Development in Outdoor Education-3 hours.** Practical experience in designing an outdoor education program. Opportunity to plan and lead education sessions with elementary school children. Prerequisite: 361.
- RCSM 364 Recreation for the Handicapped-- 3 hours.** The organization, philosophy, program, and leadership in recreation for the handicapped are examined. Emphasis is placed on

leadership responsibilities and practical activities are assigned. Not open to majors.
UNDERGRADUATE COURSES TO BE DELETED—CONTINUED.

RCSM 436 Planning of Recreation Systems - 3 hours. Examination of fundamental concepts and critical analysis of factors which influence the nature and scope of leisure delivery systems. Exploration of problem design, resource utilization, and need assessment. Prerequisite: completion of lower division core.

RCSM 465 Outdoor Interpretive Techniques- 2 hours. Exhibit, design, and programming techniques in nature interpretation appropriate for use in nature centers, trailside teaching stations, and park naturalist services. Prerequisite: 361.

RCSM 466 Creative Problem-Solving Methods for Recreation- 3hours. Soft systems methods for problem solving in recreation and park management. Brainstorming, lateral thinking, synectics, and other methods of generating creative solutions to problems.

COLLEGE OF TECHNOLOGY: Aerospace Technology

AST 212 Powerplants I -2 hours. Aircraft engine construction, lubrication systems, cooling systems, operating characteristics, and systems analysis.

AST 240 Commercial Flight 1-2 hours. Special emphasis is placed on a higher degree of coordination utilizing advanced maneuvers. The first course of three which leads to the commercial certificate. (40 hours of flight.)

AST 302 Air Transportation-3 hours. Historical development and present status of air transportation facilities, state and federal regulations, legal characteristics of the air transportation industry, problems, and services of commercial transportation.

AST 336 Aerobatics-2 hours. Principles and theory of aerobatic flight including ground and flight instruction. Prerequisite: Private Pilot Certificate. (10 hours of flight.)

AST 337 Mountain Flying-2 hours. Principles and theory of mountain flying including actual mountain flying expedition. Prerequisite: consent of instructor. (20 hours of flight.)

AST 338 Ocean Flying-2 hours. Principles and theory of ocean flying including actual transocean flight. Prerequisite: consent of instruction. (30 hours of flight.)

AST 347 Instrument Flight-2 hours. Instrument flight stressing precision flying, navigation, meteorology, radio orientation, and procedures; designed to meet flight requirements for instrument rating. (20 hours of flight, 10 hours of simulator time.)

AST 371 [no description available]

UNDERGRADUATE COURSES TO BE DELETED—CONTINUED.

AST 402 Aerospace Legislation-3 hours. Federal, state, and local legislation as related to the aerospace industry. Case studies and discussion methods are used to show application of these statutes. Included will be a study of latest legislation passed by the Congress and international conventions.

AST 440 Flight Instructor Flight-2 hours. The flight experience as required by the FAA for certification as a flight instructor.
(25 hours of flight.)

AST 443 Aviation Operations -2 hours. Organization and operation of aviation facilities and associated problems. Included will be flight line operations, aircraft maintenance, administration, and decision making.

AST 445 Flight Instructor, Instrument-3 hours. The basic flight theory and skills as required for the instrument instructor certificate. Covers aspects of instructing instruments interfaced with analysis of instrument flight maneuvers and procedures. Prerequisite: special consent of the instructor (10 hours of flight.)

AST 480 Aviation Administration Seminar-1-6 hours. Special problems and current status of legislation in aircraft and related aerospace industries. Prerequisites: senior standing, major in aerospace technology, or by special consent of instructor.

COLLEGE OF TECHNOLOGY: Manufacturing and Construction Technology

MCT 130 [no description available]

MCT 280 [no description available]

MCT 281 [no description available]

MCT 282 [no description available]

MCT 283 [no description available]

MCT 312A Plane Surveying-3 hours. Basic surveying, use of instruments, recording and computing data, site layout, and earthwork.

MCT 315 [no description available]

MCT 321 Machine Tool Processes II- 3 hours. Advanced machine operations, gear cutting processes, precision grinding, numerical control, and electrical discharge machining. Prerequisite: 370 or ITE 221.

UNDERGRADUATE COURSES TO BE DELETED—CONTINUED.

MCT 325 Welding--3 hours. Arc, oxyacetylene, T.I.G., and M.I.G. processes. Special soldering, brazing, flame cutting, and other evolving welding processes.

MCT 351D Cooperative Industrial Practice--3 hours. Coordinated work experience in industry and a comprehensive written report of the experience. Prerequisite: participation in Professional Practice Program.

MCT 370B Fundamentals of Machine Tool Processes- 3 hours. Theory and laboratory experience dealing with measurement, inspection, cutting, computer-assisted numerical control, and newly developed processes.

MCT 371A Manufacturing Processes and Materials- 3 hours. Metallic materials and their applications in casting, forming, finishing, fabrication, and assembly.

MCT 380 [no description available]

MCT 401 [no description available]

MCT 403 [no description available]

MCT 419A Special Problems in Construction Technology- 2-3 hours. Problems growing from the needs of the student and approved by the instructor.

MCT 419B Special Problems in Construction Technology- 2-3 hours. Problems growing from the needs of the student and approved by the instructor.

MCT 421 Tool and Dyemaking-3 hours. The making of basic tools. Fabrication of simple jigs, fixtures, dies, and molds. Prerequisite: 321.

MCT 422 [no description available]

MCT 429A Special Problems in Metal Technology- 2-3 hours. Problems growing from the needs of the student approved by the instructor. Prerequisite: consent of Instructor.

MCT 451B Typographic Composition- 3 hours. Operation and application of photocomposition and cold type processes, including controls and computers. Prerequisite:

391.

MCT 481 [no description available]

MCT 482 [no description available]

GRADUATE COURSES SCHEDULED FOR ANNUAL DELETION

COLLEGE OF ARTS AND SCIENCES: Art

ART 573 [no description available]

ART 574C [no description available]

ART 575 [no description available]

ART 576 [no description available]

ART 577 [no description available]

ART 581 [no description available]

ART 586 [no description available]

ART 613 [no description available]

ART 625 [no description available]

ART 626 [no description available]

ART 627 [no description available]

ART 670 [no description available]

ART 690 [no description available]

COLLEGE OF ARTS AND SCIENCES: Chemistry

CHEM 559B [no description available]

CHEM 568 Advanced Physical Chemistry--3 hours. Treatment of additional topics in physical chemistry, such as group theory and its applications to molecular spectroscopy, computational chemistry and applications to molecular modeling, theory and techniques in magnetic resonance, or other selected topics. Prerequisites: 562; Mathematics 330).

CHEM 629D [no description available]

CHEM 629E [no description available]

CHEM 629F [no description available]

GRADUATE COURSES TO BE DELETED—CONTINUED.

CHEM 629G [no description available]

CHEM 633L [no description available]

CHEM 635 [no description available]

CHEM 699A [no description available]

COLLEGE OF ARTS AND SCIENCES: Criminology

CRIM 680 Urban-Regional Analysis I--3 hours. Interdisciplinary approaches to the content, theory, and techniques of urban-regional development, planning, and policy formation. (Also listed as Urban-Regional Studies 680).

CRIM 681 Urban-Regional Analysis II--3 hours. Continuation of and companion to 680. (Also listed as Urban-Regional Studies 681.)

CRIM 682 Urban-Regional Studies Seminar I--1 hour. Research project related to the course content of 680. Normally taken concurrently with 680. (Also listed as Urban- Regional Studies 682.)

CRIM 683 Urban-Regional Studies Seminar II--1 hour. Research project related to the course content of 681. Normally taken concurrently with 681. (Also listed as Urban- Regional Studies 683.)

CRIM 684 Internship in Urban-Regional Studies--6 hours. Directed employment in an agency or firm engaged in urban-regional development, planning, or policy formation in an area of the student's background and interest. (Also listed as Urban- Regional Studies 684.)

COLLEGE OF ARTS AND SCIENCES: English

ENG 539B [no description available]

ENG 539C [no description available]

ENG 539D [no description available]

ENG 539E [no description available]

ENG 539F [no description available]

ENG 539G [no description available]

ENG 539H [no description available]

GRADUATE COURSES TO BE DELETED—CONTINUED.

ENG 539I [no description available]

ENG 539J [no description available]

ENG 539L [no description available]

ENG 539M [no description available]

ENG 539N [no description available]

ENG 546B [no description available]

ENG 546C [no description available]

ENG 546D [no description available]

ENG 546F [no description available]

ENG 546G [no description available]

ENG 547C [no description available]

ENG 547D [no description available]

ENG 547E [no description available]

ENG 547G [no description available]

ENG 547I [no description available]

ENG 547K [no description available]

ENG 547L [no description available]

ENG 548A [no description available]

ENG 548B [no description available]

ENG 548C [no description available]

ENG 548E [no description available]

ENG 548G [no description available]

ENG 548I [no description available]

GRADUATE COURSES TO BE DELETED—CONTINUED.

ENG 548J [no description available]

ENG 562A [no description available]

ENG 562D [no description available]

ENG 562G [no description available]

ENG 563A [no description available]

ENG 563C [no description available]

ENG 563D [no description available]

ENG 563E [no description available]

ENG 614A [no description available]

ENG 614B [no description available]

ENG 618A [no description available]

ENG 619A [no description available]

ENG 619B [no description available]

ENG 643 [no description available]

ENG 645 [no description available]

ENG 649A [no description available]

ENG 649B [no description available]

ENG 649D [no description available]

ENG 649E [no description available]

ENG 649F [no description available]

ENG 649H [no description available]

ENG 649I [no description available]

ENG 649J [no description available]

GRADUATE COURSES TO BE DELETED—CONTINUED.

ENG 649L [no description available]

ENG 649P [no description available]

ENG 649Q [no description available]

ENG 649R [no description available]

ENG 653A [no description available]

ENG 659A [no description available]

ENG 659B [no description available]

ENG 659C [no description available]

ENG 659D [no description available]

ENG 659E [no description available]

ENG 659G [no description available]

ENG 659H [no description available]

ENG 659I [no description available]

ENG 659K [no description available]

ENG 659L [no description available]

ENG 660A [no description available]

ENG 661 [no description available]

ENG 664A [no description available]

ENG 665 [no description available]

ENG 669A [no description available]

ENG 669B [no description available]

ENG 669C [no description available]

ENG 669E [no description available]

GRADUATE COURSES TO BE DELETED—CONTINUED.

ENG 669F [no description available]

ENG 669G [no description available]

ENG 669J [no description available]

ENG 685D [no description available]

ENG 687A [no description available]

ENG 687B [no description available]

ENG 687C [no description available]

ENG 687D [no description available]

ENG 687E [no description available]

ENG 792F [no description available]

COLLEGE OF ARTS AND SCIENCES: Geology

GEO 541L [no description available]

GEO 551L [no description available]

GEO 552L [no description available]

GEO 560 [no description available]

GEO 563L [no description available]

GEO 573 [no description available]

GEO 575L [no description available]

GEO 584 [no description available]

GEO 605 [no description available]

GEO 606 [no description available]

GEO 632L [no description available]

GEO 638 [no description available]

GRADUATE COURSES TO BE DELETED—CONTINUED.

GEO 639 [no description available]

GEO 640 [no description available]

GEO 666A [no description available]

GEO 683 [no description available]

GEO 705 [no description available]

COLLEGE OF ARTS AND SCIENCES: Geography

GEOG 605 [no description available]

GEOG 638 [no description available]

GEOG 640 [no description available]

GEOG 682 [no description available]

GEOG 683 [no description available]

COLLEGE OF ARTS AND SCIENCES: Language, Literatures, and Linguistics

GERM 500 [no description available]

GERM 505 [no description available]

GERM 506 [no description available]

GERM 507 [no description available]

GERM 561 [no description available]

GERM 562 [no description available]

GERM 564 [no description available]

GERM 567 [no description available]

GERM 571 [no description available]

GERM 576 [no description available]

GERM 585 [no description available]

GRADUATE COURSES TO BE DELETED—CONTINUED.

GERM 587 [no description available]

GERM 607 [no description available]

SPAN 690 [no description available]

COLLEGE OF ARTS AND SCIENCES: Life Sciences

LIFS 537 [no description available]

LIFS 537L [no description available]

LIFS 541L [no description available]

LIFS 551L [no description available]

LIFS 634L [no description available]

COLLEGE OF ARTS AND SCIENCES: Political Science

PSCI 512 [no description available]

PSCI 527 [no description available]

PSCI 528 [no description available]

PSCI 529 [no description available]

PSCI 530 [no description available]

PSCI 531 [no description available]

PSCI 533 [no description available]

PSCI 534 [no description available]

PSCI 592 [no description available]

PSCI 643 [no description available]

PSCI 644 [no description available]

PSCI 656 [no description available]

PSCI 661 [no description available]

GRADUATE COURSES TO BE DELETED—CONTINUED.

PSCI 662 [no description available]

PSCI 666 [no description available]

PSCI 667 [no description available]

COLLEGE OF ARTS AND SCIENCES: Psychology

PSY 590A [no description available]

PSY 590B [no description available]

PSY 590F [no description available]

PSY 690D [no description available]

PSY 690E [no description available]

PSY 690M [no description available]

PSY 690O [no description available]

PSY 690P [no description available]

PSY 690Q [no description available]

PSY 690R [no description available]

PSY 690S [no description available]

COLLEGE OF ARTS AND SCIENCES: Sociology

SOC 542 **Small-Group Dynamics--3 hours.** Social interaction and social processes in the small-group context, group norms, conformity, behavioral change, formal and informal structures, communication networks, leadership patterns, and group interaction processes. Prerequisite: 6 hours of sociology or consent of instructor.

SOC 547 **Social Attitude Theory and Measurement--3 hours.** Attitude as a basic construct in social psychology, basic properties of an attitude, techniques of attitude measurement, and the selection and use of appropriate measures. Prerequisite: 6 hours of sociology or consent of instructor.

SOC 552 **Sociology of Communication--3 hours.** The role of communication in social interaction and change. Among topics discussed are group, structure, mass media, opinion leadership, and diffusion of innovations. Prerequisite: 6 hours of sociology or consent of instructor.

GRADUATE COURSES TO BE DELETED—CONTINUED.

SOC 559 [no description available]

SOC 568 **Education and Modern Society--3 hours.** The sociological analysis of the role of education in modern society, as an agent of socialization, and a force in social change. Relations with other social institutions are studied as are cross-cultural comparisons. Prerequisite: 6 hours of sociology or consent of instructor.

SOC 655 **Seminar in Social Psychological Research--3 hours.** Critical examination of

selected contemporary research in social psychology. Includes methodological problems in social-psychological research, the substantive content, and the selection and conceptualization of research problems in social psychology. Basic and applied research examined. Prerequisites: 381, 601, or consent of instructor.

SOC 670 Seminar in Urban Theory and Research--3 hours. Review and analysis of selected areas of urban theory and research. The nature of urban process and structure is examined in the light of sociological theories with special reference to characteristics of urbanization, special structure, and arrangement of urban places and regions, demographic structure and vital processes, stratification, institutional structures and organization, problems of urban personality and participation, and comparative urban research. Topics selected vary from year to year. Students should consult the Department Chairperson for the area to be covered in a particular semester. Prerequisite: 9 hours of sociology or consent of instructor.

SOC 671 Urban Research Methods --3 hours. Techniques of collection and interpretation of quantitative data geared to the explanation of urban and regional phenomena with emphases on demographic and ecological analysis. Prerequisite: 9 hours of sociology or consent of instructor.

SOC 672 Seminar in Sociology of Education--3 hours. The function of the school in the socialization of youth--both its formal and informal aspects. The key leadership role of the teacher in the educational process and the impact of both institutional and community forces on the role expectations that help define this position. Prerequisite: 6 hours of sociology or consent of instructor.

SOC 680 Urban-Regional Analysis I--3 hours. Interdisciplinary approaches to the content, theory, and techniques of urban-regional development, planning, and policy formation. (Also listed as Urban-Regional Studies 680.)

SOC 681 Urban-Regional Analysis II--3 hours. Continuation of and companion course to 680. (Also listed as Urban-Regional Studies 681.)

SOC 682 Urban-Regional Studies Seminar I--1 hour. Research project related to the course content of 680. Normally taken concurrently with 680. (Also listed as Urban-Regional Studies 682.)

GRADUATE COURSES TO BE DELETED—CONTINUED.

SOC 683 Urban-Regional Studies Seminar II--1 hour. Research project related to the course content of 681. Normally taken concurrently with 681. (Also listed as Urban-Regional Studies 683.)

SOC 684 Sociology and Modern Systems Theory --3 hours. The definition and analysis of

social phenomena in the language of modern systems theory. Evolution of modern systems models; the issues of equilibrium, causation, boundaries, and the ethical commitments involved in their use; systems in deviance, power, and feedback control of social goal-seeking, and group goals; power and bureaucracy.
Prerequisite: 9 hours of sociology or consent of instructor.

SOC 692U Internship in Urban-Regional Studies--6 hours. Directed employment in an agency or firm engaged in urban-regional development, planning, or policy formation in an area of the student's background and interest. (Also listed as Urban-Regional Studies 684).

COLLEGE OF TECHNOLOGY: Aerospace Technology

AST 525 [no description available]

AST 573 [no description available]

AST 573A [no description available]

AST 573B [no description available]

AST 573C [no description available]

AST 603C Topics and Experiences in Electronics and Computer Technology (A-Z)--1-3 hours. Experiences selected or designed to provide understanding and experiences with electronics technology as it functions in our society: a-Manufacturing, b-Service, c-Construction, d-Industrial Communication.

COLLEGE OF TECHNOLOGY: Manufacturing and Construction Technology

MCT 519A Special Problems in Construction Technology- 2-3hours. Problems growing from the needs of the student and approved by the instructor.

MCT 521 Tool and Diemaking--3 hours. The making of basic tools. Fabrication of simple jigs, fixtures, dies, and molds. Prerequisite: 321.

MCT 522 [no description available]

GRADUATE COURSES TO BE DELETED—CONTINUED.

MCT 529A Special Problems in Metal Technology-2-3 hours. Problems growing from the needs of the student and approved by the instructor. Prerequisite: consent of instructor.

- MCT 552** **Graphic Arts Estimating--3 hours.** Principles and procedures in estimating the cost of printing. Analysis of specifications, cost data, and cost reduction through selection of methods, materials, and scheduling.
- MCT 553** **Trends in Graphic Arts--3 hours.** Technological developments, work standards utilization, and plant layout and their relationship to the products and processes of the graphic arts.
- MCT 559A** **Special Problems in Printing Technology- 1-3 hours.** Problems growing from the needs of the student and approved by the instructor.
- MCT 593A** **Construction, Manufacturing, or Printing Technology Workshop- 1-3 hours.** The content of each workshop will relate to the new and current developments in the various technological areas.