

James Scanlon
Provost

**TO: FULL SERVICE FACULTY, ADMINISTRATION, AND
STUDENT GOVERNMENT**

FROM: AUBREY FOWLER, SECRETARY TO ACADEMIC SENATE

**RE: MEETING OF THE ACADEMIC SENATE
WEDNESDAY, MAY 4, 1994, 4:00 P.M.
ARTS AND SCIENCES AUDITORIUM, ROOM 132, DEBARTOLO HALL**

AGENDA

1. Call to Order.
2. Approval of Minutes for April 6, 1994, meeting.
3. Elections and Balloting Committee Report.
4. Charter and Bylaws Committee Report.
5. Senate Executive Committee Report.
Faculty Advisory Committee Report.
6. Provost Remarks
7. Reports of Other Senate Committees.*
 - 934-24 Report from Academic Programs Committee.
Computer Science Program Change.
 - 934-25 Report from Academic Programs Committee.
Computer Information Systems Program Change.
 - 934-26 Report from Academic Programs Committee.
Environmental Studies Program (New).
 - 934-27 Report from University Curriculum Committee.
 - 934-28 Report from Academic Standards and Events Committee.
8. Unfinished Business.
9. New Business.
10. Adjournment.

* Academic Program change details are available from the Academic Programs Committee or the Senate Chair. Contact Dr. Julia Gergits, English or Virginia Phillips, BIS if you want to review program change details. The Senate Budget does not permit circulation of changes. All changes were circulated by the Programs Committee to impacted departments.

COVER SHEET TO BE ATTACHED TO ALL REPORTS SUBMITTED TO THE ACADEMIC SENATE

Date March 17, 1994 Report Number (For Senate Use Only) 934-24

Name of Committee Submitting Report Academic Programs Committee

Committee Status: (elected chartered, appointed chartered, ad hoc, etc.) _____

Appointed chartered

Names of Committee members: G. Claypool, M. DeLost, J. Gergits, J. Gill-Wigal,
R. Jones, A. Owens, J. Yemma, and R. Foulkes (ex officio)

Please write a brief summary of the report which the Committee is submitting to the
Senate: (attach complete report) Academic Programs Committee accepts
Computer Science's program changes.

Do you anticipate making a formal motion relative to the report? No

If so, state the motion: _____

If there are substantive changes made from the floor in your committee recommendation,
would the committee prefer that the matter be sent back to committee for further
consideration? Yes

Other relevant data: _____

Julie M. Gergits
Chair

COVER SHEET TO BE ATTACHED TO ALL REPORTS SUBMITTED TO THE ACADEMIC SENATE

Date March 17, 1994 Report Number (For Senate Use Only) 934-25

Name of Committee Submitting Report Academic Programs Committee

Committee Status: (elected chartered, appointed chartered, ad hoc, etc.) _____

Appointed Chartered

Names of Committee members: G. Claypool, M. DeLost, J. Gergits, J. Gill-Wigal,
R. Jones, A. Owens, J. Yemma, R. Foulkes (ex officio)

Please write a brief summary of the report which the Committee is submitting to the
Senate: (attach complete report) Academic Programs Committee accepts
the Computer Information Systems' program changes.

Do you anticipate making a formal motion relative to the report? No

If so, state the motion: _____

If there are substantive changes made from the floor in your committee recommendation,
would the committee prefer that the matter be sent back to committee for further
consideration? Yes

Other relevant data: _____

John M. Gergits
Chair

COVER SHEET TO BE ATTACHED TO ALL REPORTS SUBMITTED TO THE ACADEMIC SENATE

Date April 6, 1994 Report Number (For Senate Use Only) 934-26

Name of Committee Submitting Report Academic Programs

Committee Status: (elected chartered, appointed chartered, ad hoc, etc.) _____

Appointed chartered

Names of Committee members: Claypool, DeLost, Gergits, Gill-Wigal, Jones,
Owens, Yemma, and Foulkes

Please write a brief summary of the report which the Committee is submitting to the Senate: (attach complete report) Academic Programs accepts the Environmental Studies Program.

Do you anticipate making a formal motion relative to the report? No

If so, state the motion: _____

If there are substantive changes made from the floor in your committee recommendation, would the committee prefer that the matter be sent back to committee for further consideration? Yes

Other relevant data: _____

Julia M. Gergits
Chair

COVER SHEET TO BE ATTACHED TO ALL REPORTS TO BE SUBMITTED TO THE ACADEMIC SENATE

Date April 20, 1994 Report Number (For Senate Use Only) 934-27

Name Of Committee Submitting Report: University Curriculum Committee

Committee Status: (elected chartered, appointed chartered, ad hoc, etc.)

Appointed Charter

Names of Committee Members: S. Ausmann, B. Bowers, J. Campbell, H. Chen,
R. Foulkes, J. Gergits, M. Haggerty, S. Rippberger, H. Yiannaki

Please write a brief summary of the report the committee is submitting to the Senate (attach complete report): The following proposals have been approved by the UCC and circulated through the proper channels, and there are no objections.

Do you anticipate making a formal motion relative to the report? No

If so, state the motion: _____

If there are any substantive changes made from the floor in your committee recommendation, would the committee prefer that the matter be sent back to the committee for further consideration? _____

Other relevant data: _____

VWJ
Chairman (please initial)

Senate 89-90/covelet.sen

94-002 Health And Human Services (Add)
 HPES 716. *Stage Combat*. A specialized approach to armed and unarmed combat for stage. Safety factors in stage fighting will be stressed. Instruction will be given in armed and unarmed stage combat and the safe use of rapier and dagger. Performance in public recital will be required. Class is scheduled for six contact hours per week (2 hr. lecture & 4 hr. lab). Prereq.: HPES 514 or 515 or SPCH 668 or MUSIC 012 (Theatrical Fencing Unit) or permission of instructor. Also listed as SPCH 766. 4 q.h.

94-009 Health And Human Services (Add)
 HPES 723. *Fitness Management Skills Practicum*. Intermediate exercise testing, exercise prescriptions, exercise analysis, and other technical skills for exercise programs. Practical supervised experience in exercise leadership skills will involve at least 8-12 hours per week. This course covers behavioral objectives for Health Fitness Instructor certification as advocated by the American College of Sports Medicine. Prereq.: HPES 720.4 q.h.

94-010 Health And Human Services (Add)
 HPES 803. *Issues And Trends in Exercise Science*. In-depth study of current issues and trends and their impact on Exercise Science and the general public as they relate to the American College of Sports Medicine behavioral objectives for various professional certificates. 2 hour lecture. Prereq.: HPES 723. 2 q.h.

94-011 Health And Human Services (Add)
 HPES 805. *Exercise Test Technologist Practicum*. Advance exercise testing and exercise prescriptions for special populations. Practical supervised experience in health/fitness facilities will involve at least 8-12 hours per week. This course covers behavioral objectives for Exercise Technologists as advocated by the American College of Sports Medicine. Prereq.: HPES 803. 4 q.h.

94-012 Health And Human Services (Add)
 HPES 887. *Internship*. A full-time culminating experience in an approved fitness or sports related setting under the direct supervision of a qualified individual and coordinated by a supervising faculty member. This course will require 40 hours per week. Prereq.: Senior standing and HPES 616 or 618, 795. 12 q.h.

94-090 Williamson College of Business Administration (Change)
 ACCTG 813. *Federal Taxation of Individuals*. Introduction to federal income tax laws pertaining to individuals. Emphasis on gross income, deductions, and sales, exchanges and basis of property. Coursework includes fundamentals of taxation of investors and proprietors. Prereq.: "C" or better in ACCTG 704. 4 q.h.

94-134 College of Fine and Performing Arts (Change)
 SPCH 857. *Organizational Cultures*. The interpretive approach to organizational communication, utilizing culture as a dominant metaphor, emphasizing the relationship between organizational realities and communication behaviors. Prereq.: SPCH 757; SPCH798; also SPCH756 or permission of instructor. 4 q.h.

94-135 College of Fine and Performing Arts (Add)
 SPCH 798. *Understanding Communication Research*. Designed to prepare students to review, understand, and use the results of research resulting from qualitative and quantitative communication research methodologies. Prereq.: SPCH 530, 652, 657; ENGL 743; and SPCH 550 or 652 or 654. 4 q.h.

94-135.1 College of Fine and Performing Arts (Delete)
 SPCH 698. *Understanding Communication Research*. An introductory course in speech communication to prepare students to understand and utilize the results of research from qualitative and quantitative methodologies. Prereq.: 12 quarter hours in Speech Communications or permission of instructor; and ENGL 551. 4 q.h.

94-136 College of Fine and Performing Arts (Change)
 SPCH 898. *Seminar in Speech Communication*. A cooperative exploration of topics in communication not covered in course offerings. May be repeated for credit if the seminar topic changes. Prereq.: SPCH 798; junior standing or permission of instructor. 4 q.h.

94-145 College of Fine and Performing Arts (Add)
 SPCH 766. *Stage Combat*. A specialized approach to armed and unarmed combat for the stage. Safety factors in stage fighting will be stressed. Instruction will be given in armed and unarmed stage combat and the safe use of rapier and dagger. Performance in a public recital will be required. Class is scheduled for six contact hours per week (two hours lecture and four hours lab). Prereq.: SPCH 668 or MUSIC 012 (Theatrical Fencing Unit) or HPES 514 or 515 or permission of instructor. Also listed as HPES 716. 4 q.h.

94-146 College of Fine and Performing Arts (Change)
 SPCH 668. *Fundamentals of Acting*. The fundamental theories and techniques of acting. Major emphasis will be placed upon theater acting, but consideration will be put given to radio and television acting. Two hours lecture and four hours laboratory per week. 4 q.h.

94-147 College of Fine and Performing Arts (Change)
 SPCH 863. *Advanced Acting*. A study of specific theories, techniques, approaches to creating the various styles of acting. Emphasis will be placed on scene study featuring important historical styles of performance. Two hours lecture and four hours of laboratory per week. Prereq.: SPCH 661 and 668. 4 q.h.

94-149 College of Engineering and Technology (Change)
 ISEGR 642. *Engineering Computations*. Flow diagramming problem layout and problem structuring for the numerical solution of elementary engineering problems on a digital computer. Engineering problems will be solved by using a structured language on digital computers. Prereq.: MATH 572. 4 q.h.

94-156 College of Arts and Sciences (Add)
 HIST 803. *Historical Preservation Internship*. Practical application of principles and methods in the field of historical preservation with the goal of producing a completed project. Internship to be selected by student in conjunction with program director. May be repeated once. Prereq.: HIST 715, Senior standing, and approval of internship committee. 4-8 q.h.

94-158 College of Fine and Performing Arts (Add)
 SPCH 710. *Intercultural Communication*. Intercultural communication issues that affect interpersonal group communication across cultural boundaries. Prereq.: SPCH 530, 550, or 652; junior standing. 4 q.h.

94-159 College of Fine and Performing Arts (Add)
 SPCH 810. *Intercultural Organization Communication*. An examination of the theories, models and research in intercultural communication. Course will explore communication dimensions of intercultural management and coordination, and effects of increased intercultural work on communication between organizations. Prereq.: SPCH 757. 4 q.h.

94-167 College of Arts and Sciences (Change)
 GEOG 630. *Weather*. A examination of basic weather elements, their interrelationships and the natural laws that govern them. Focus is on both global-scale atmospheric processes and localized factors that influence weather conditions and patterns. 4 q.h.

94-168 College of Arts and Sciences (Change)
 GEOG 603. *Human Impacts on the Environment*. The interactions between natural systems and human activities that result in environmental change or degradation of the earth's atmosphere, waters, soil, vegetation and animal life. Conservation, mitigation, and sustainable resource strategies are discussed. 4 q.h.

94-169 College of Arts and Sciences (Change)
 GEOG 730. *Global Climates*. An examination of the earth's climates and the processes and controls responsible for their occurrence, distribution and change. Prereq.: GEOG 630. 4 q.h.

94-170 College of Arts and Sciences (Add)
 BIOL *829. *Neuroanatomy*. Anatomical study of the human brain and spinal chord with special emphasis on clinical significance. Three hours lecture and two hours laboratory per week. Prereq.: BIOL 792 or consent of instructor. 4 q.h.

94-172 College of Arts and Sciences (Add)
 BIOL *868,*869. *Gross Anatomy I and II*. Dissection of the human body with emphasis on the functional and topographic anatomy and clinical correlations. Two hours lecture-demonstration and four hours laboratory per week. Must be taken in sequence. Prereq.: BIOL 710. 4 q.h.

94-173 College of Arts and Sciences (Change)
 SPAN 855. *Topics in Spanish Language and Linguistics*. An introduction to the terminology, concepts, bibliography and current issues in Spanish language and linguistics. Major topics include phonology, morphology, semantics, syntax, applied linguistics, transformational grammar, and other topics related to language variation in society. May be repeated once when topic varies. Prereq.: SPAN 736. 4 q.h.

94-174 College of Arts and Sciences (Change)
 GEOL 815. *Geology and the Environment II*. In-depth examination of earth processes, earth resources and properties of earth materials as they relate to human activities and their geological consequences. Prereq.: GEOL 615 or consent of instructor, and junior standing. 4 q.h.

94-175 College of Arts And Sciences (Add)
 GEOL 717. *Geochemistry*. An examination of chemical principles that are applicable to the study of geologic processes and materials. Topics include geochemical cycles, stable and radioactive isotopes, and phase equilibria. Prereq.: GEOL 700 and CHEM 517 or consent of the instructor. 4 q.h.

94-176 College of Arts And Sciences (Change)
 GEOL 615. *Geology And The Environment I*. A study of the interrelationship of human activity and the geologic environment. An examination of geologic hazards, geological considerations in waste disposal, resource utilization, and land use. Prereq.: GEOL 505 or 611. 4 q.h.

94-177 College of Arts And Sciences (Change)
 GEOL *608. *Geology Laboratory*. Identification of minerals and rocks, the interpretation of topographic and geologic maps and outside work as a practicum for geologic problem solving. Four hours lab., two hours lecture. One full-day field trip is required. Prereq.: GEOL 505 or 611. 4 q.h.

94-178 College of Engineering And Technology (Change)
 MECH 500. *Drawing Fundamentals*. Introduction to visualizing objects for engineering communication. Topics include freehand sketching, three dimensional representations, orthographic projection, auxiliary views, sectional views, and dimensioning. Intended for students who have not had the equivalent of one year of high school drawing or those students wishing to enhance their visualizing and sketching abilities. Not available for credit toward the Bachelor of Engineering Degree. Six hours combined lecture and laboratory each week. 4 q.h.

94-179 College of Engineering And Technology (Change)
 MECH *501. *Engineering Communications With CAD*. Introduction to computer aided drawing (CAD) for engineering communications using commercially available software and state-of-the-art computers and output devices. Topics include review of sketching, Boolean operations for 2-D and 3-D solid modeling, computer-generated views and drawing and presentation of professional reports using computer tools. Final design project using these tools is required. Two hours lecture and three hours laboratory per week. Prereq.: MECH 500 or equivalent. 3 q.h.

94-180 College of Engineering And Technology (Change)
 MECH *680. *Mechanical Engineering Computations*. Applications of computer tools to solve problems in Mechanical Engineering. Topics include development of geometries to model mechanical systems using advanced computer tools; graphical solutions using structured programming languages; spreadsheets and symbolic solvers; and advanced methods of result presentation with an emphasis on display techniques. Two hours lecture and three hours laboratory per week. Prereq.: MECH 501 and ISEGR 642. 3 q.h.

94-181 College of Engineering And Technology (Change)
 MECH *704L. *Applied Thermodynamics Laboratory*. Experiences involving basic measurement techniques, power refrigeration cycles, and fossil fuels. Three hours laboratory per week. Prereq.: MECH 604. 1 q.h.

94-182 College of Engineering And Technology (Change)
 MECH 781. *Dynamic System Analysis*. Theoretical study of the dynamics of linear lumped parameter model of mechanical, electrical, fluid, thermal and mixed systems. Laplace transforms and input response concepts. Prereq.: MECH 641, MATH 705, ELEGR 714, ISEGR 714. 4 q.h.

94-183 College of Engineering And Sciences (Change)
 MECH 884. *Finite Element Analysis Applied to Design*. Fundamental principles of finite element analysis with emphasis on applications to design on areas pertinent to mechanical engineering, including elasticity, vibrations, fluid mechanics and heat transfer. Use of interactive computer software. Prereq.: MECH 725, 751, 781. 4 q.h.

94-184 College of Arts And Sciences (Change)
 ENGL 646. *Introduction to Fiction Writing*. An examination and application of narrative techniques and conventions designed to introduce the basic elements of writing fiction. Prereq.: ENGL 551 4 q.h.

94-185 College of Arts And sciences (Change)
 ENGL 647. *Introduction to Poetry Writing*. An examination and application of poetic techniques and conventions designed to introduce the basic elements of writing poetry. Prereq.: ENGL 551. 4 q.h.

94-186 College of Arts And Sciences (Change)
 ENGL 648. *Introduction to Script Writing*. An examination and application of dramatic techniques and conventions designed to introduce the basic element of writing plays and screenplays. May be repeated once. Prereq.: ENGL 551. 4 q.h.

94-187 College of Arts And Science (Change)
 ENGL *743. *Professional And Technical Communication*. An intermediate composition course to introduce students to essential elements in professional and technical writing: audience analysis, techniques of gathering, interpreting, and presenting information; appropriate styles and formats; and application of computer technology to document design. Prereq.: ENGL 551. 5 q.h.

94-188 College of Arts And Sciences (Delete)
 ENGL 743L. *Text Processing*. A lab-based introduction to the technology (e.g., word processing and graphics) of professional and technical writing to be taken concurrently with ENGL 743. Two hour laboratory. Prior keyboarding/typewriting skills recommended. Prereq.: ENGL 551. 1 q.h.

94-189 College of Arts And Sciences (Change)
 ENGL 746. *Fiction Writing Workshop*. A supervised workshop in which students may develop their individual narrative skills, styles, and talent. May be repeated once. Prereq.: ENGL 646 or permission of the instructor based on a portfolio of fiction. 4 q.h.

94-190 College of Arts And Sciences (Change)
 ENGL 747. *Poetry Writing Workshop*. A supervised workshop in which students may develop their individual poetic skills, styles, and talents. May be repeated once. Prereq.: ENGL 647 or permission of the instructor based on a portfolio of poetry. 4 q.h.

94-191 College of Arts And Sciences (Change)
 ENGL 898. *Professional Writing Internship*. Supervised work-and-learning experience in professional communication under the direction of a University faculty member and an employee of the participating firm. Ten to Twenty hours a week of student time are expected. Enrollment is contingent upon the availability of internships. Students are selected on the basis of personal qualifications, including GPA, courses taken, recommendations, and an interview. May be repeated with the approval of the department chair. Prereq.: 16 q.h. in Journalism and/or Technical Writing. 2-4 q.h.

94-192 College of Arts And Sciences (Add)
 ENGL 899. *Professional Writing Senior Project*. Individualized research, analysis, and development of a project that incorporates audience-appropriate writing, design, and/or editing and culminates in a useable high-quality product. Taken in successive quarters during the student's final under-graduate year. Prereq.: senior standing and permission of a Professional Writing and Editing advisor. 1+1 q.h.

94-193 College of Arts And Sciences (Change)
 SOCIO 700. *Minority Groups*. A survey of the origins and characteristics of ethnic and racial minority groups, with emphasis on the significance of membership in such a group for in-group, out-group, and community solidarity. Prereq.: SOCIO 500. 4 q.h.

94-194 College of Arts and Sciences (Change)
 SOCIO 707. *Urban Sociology*. A comparative study of cities of pre-industrial and industrial societies, historical and contemporary. The process of urbanization and changing urban structure and functions. Prereq.: SOCIO 500. 4 q.h.

94-195 College of Arts and Sciences (Add)
 SOCIO 720. *Applied Sociology*. Uses of sociology in practical affairs, providing theory and data for public policy, institutional reform, social action programs, and social inventions. Contributions to architectural design, industrial engineering, community planning, and innovative legislation. Prereq.: SOCIO 500. 4 q.h.

94-196 College of Arts and Sciences (Change)
 SOCIO 740. *Complex Organization*. Structures and processes of large-scale organizations: leadership, control techniques, tensions, bureaucratic pathologies, organizational change. Prereq.: SOCIO 500. 4 q.h.

94-197 College of Arts and Sciences (Change)
 SOCIO 745. *Medical Sociology*. Social attitudes toward illness. Cultural and social factors in disease definition of illness, and organization of the health professions and health facilities. Lectures and field work. Prereq.: SOCIO 500, or admission to the NEOUCOM-YSU program. 4 q.h.

94-198 College of Arts and Sciences (Change)
 SOCIO 758. *Occupational Gerontology*. Social aspects of the work-occupation system of the aged as it relates to the use of human resources, support programs, and the social distribution of resources. Prereq.: SOCIO 500. 4 q.h.

94-199 College of Arts and Sciences (Change)
 SOCIO 774. *Comparative Community Studies*. A comparative study of peasant society as a social type contrasted with primitive and industrial society; the impact of contact; problems of modernization; stability and conflict in developing cultures. Prereq.: SOCIO 500 or ANTHRO 602. 4 q.h.

94-200	College of Arts And Sciences	(Change)
PSYCH	614. <i>Statistical Methods in Psychology 2.</i> A review of the basic principles of descriptive statistics including measures of central tendency, variability, and correlation followed by an introduction to inferential statistics including z and t tests, Chi Square, and analysis of variance. Prereq.: C or better in PSYCH 613.	4 q.h.
94-201	College of Arts And Sciences	(Change)
PSYCH	*615. <i>Introduction to Experimental Psychology.</i> The application of scientific methodology to problems in psychology. An introduction to the apparatus, methods, and techniques with selected experiments to acquaint the student with basic principles. Prereq.: C or better in PSYCH 614.	4 q.h.
94-202	College of Arts And Sciences	(Add)
PSYCH	616. <i>Research Design and Statistical Analysis 1.</i> An introduction to scientific methodology in psychology. Topics will include methods for obtaining data, understanding journal articles, and the basics of research design. May not be taken for credit by students who have completed all or part of the PSYCH 613, 614, 615 sequence. Prereq.: C or better in PSYCH 560.	4 q.h.
94-203	College of Arts And Sciences	(Add)
PSYCH	617. <i>Research Design and Statistical Analysis 2.</i> The foundations of statistical analysis. Topics will include statistical notation, probability, sampling distributions, correlations, and regression. May not be taken for credit by students who have completed all or part of the PSYCH 613, 614, 615 sequence. Prereq.: C or better in PSYCH 616.	4 q.h.
94-204	College of Arts And Sciences	(Add)
PSYCH	618. <i>Research Design and Statistical Analysis 3.</i> An extension of statistical analysis to multiple group designs and a continuation of the analysis of psychological research through readings, demonstrations, and experiments. A research project will be required. May not be taken for credit by students who have completed all or part of the PSYCH 613, 614, 615 sequence. Prereq.: C or better in PSYCH 617.	4 q.h.
94-205	College of Arts And Sciences	(Change)
PSYCH	761. <i>Cognition.</i> Experimental methods, research findings, and current theories concerned with human cognitive processes. The information-processing approach, focusing on how information is transformed, stored, manipulated, and retrieved will be emphasized. Topics include attention, pattern recognition and categorization, memory, and language. Concurrent: PSYCH 761L. Prereq.: PSYCH 615 or 618.	4 q.h.
94-206	College of Arts And Sciences	(Add)
PSYCH	*761L. <i>Cognition Laboratory.</i> Laboratory demonstrations and experiments using research techniques in cognition. Three hours per week. Concurrent: PSYCH 761.	1 q.h.
94-207	College of Arts And Sciences	(Add)
PSYCH	764. <i>Psycholinguistics.</i> An overview of language production, use and comprehension including the biological basis of speech and language, language development, social aspects of language and bilingualism. Concurrent: PSYCH 764L. Prereq.: PSYCH 615 or 618.	4 q.h.
94-208	College of Arts And Sciences	(Add)
PSYCH	*764L. <i>Psycholinguistics Laboratory.</i> Research techniques in basic and applied psycholinguistics. Three hours per week. Concurrent: PSYCH 764.	1 q.h.
94-209	College of Arts And Sciences	(Change)
PSYCH	765. <i>Experimental Social Psychology.</i> Problems, principles, methods, and techniques of experimental social psychology. Concurrent: PSYCH 764L. Prereq.: PSYCH 615 or 618; and 700.	3 q.h.
94-210	College of Arts And Sciences	(Add)
PSYCH	*765L. <i>Experimental Social Psychology Laboratory.</i> Field and laboratory work culminating in the presentation of an individual project. Six hours per week. Concurrent: PSYCH 765.	2 q.h.
94-211	College of Arts And Sciences	(Add)
PSYCH	815. <i>Health Psychology.</i> Psychosocial factors that affect the promotion and maintenance of health, as well as the presentation and treatment of illness. Prereq.: 20 hours in psychology or permission of instructor.	4 q.h.
94-212	College of Arts And Sciences	(Delete)
PSYCH	520. <i>Cross-Cultural Patterns of Individual Development.</i> A comparative study contrasting the effects of different cultural and psychological influences upon the development of the individual and their way of perceiving, understanding, and coping with their environment; comparison of the customs, habits, and social mores of foreign cultures and American subcultures as they influence the development of the individual in each. Not applicable to the psychology major.	3 q.h.
94-213	College of Arts And Sciences	(Add)
PSYCH	775. <i>Cross-Cultural Developmental Psychology.</i> Similarities and differences in psychological development in various cultural and national groups. Prereq.: PSYCH 755 or 756.	4 q.h.
94-214	College of Arts And Sciences	(Change)
PSYCH	711. <i>Applications of Psychology to the Work Setting.</i> An introduction to applied psychology including topics in Industrial/Organizational psychology, engineering psychology, and consumer behavior. Not applicable to the major in Psychology. Prereq.: PSYCH 560.	4 q.h.
94-215	College of Arts And Sciences	(Change)
PSYCH	712. <i>Survey of Industrial/Organizational Psychology.</i> Principles of psychology applied to business and industry with emphasis on both personnel and organizational behavior topics including job analysis, selection, performance appraisal, organizational development, job satisfaction, motivation, and leadership. Prereq.: PSYCH 613 or 617 or equivalent.	4 q.h.
94-216	College of Arts And Sciences	(Delete)
ECON	520. <i>Principles of Economics 1.</i> Basic principles of economics with emphasis on macro-economics; demand and supply analysis; employment theory; fiscal and monetary policy.	4 q.h.
94-217	College of Arts And Sciences	(Delete)
ECON	621. <i>Principles of Economics 2.</i> Micro-economics: Market structures of industry, price and output determination, resource allocation, pricing, and employment of resources. Prereq.: ECON 520.	3 q.h.

94-218 College of Arts And Sciences (Delete)
ECON 621H. *Principles of Economics 2, Honors*. An honors course in micro-economics with more emphasis on the analytical aspects and methods than in Economics 621. Prereq.: ECON 520 complete with a B grade or better. 3 q.h.

94-219 College of Arts And Sciences (Delete)
ECON 622. *Principles of Economics 3*. Economic problems in labor, agriculture, competition and monopoly, social welfare, urban environment, growth, international trade and finance, underdeveloped countries, poverty, and comparative economic systems. Prereq.: ECON 621. 3 q.h.

94-220 College of Arts And Sciences (Delete)
ECON 622H. *Principles of Economics 3, Honors*. An honors course in Principles 3 with additional reading and independent research on economic problems. Prereq.: ECON 621 or 621H with a B grade or better. 3 q.h.

94-222 College of Arts And Sciences (Delete)
ECON 708. *Economics of American Industry*. A study of American manufacturing: The evolution of major industries, and their technological and economic growth, maturity, current problems, and outlook for the future. Price theory and growth, as applied to industries. Prereq.: ECON 622. 3 q.h.

94-223 College of Arts And Sciences (Delete)
ECON 724. *Economics of Public Utilities*. An analysis of the economic and legal bases of the public utility concept with emphasis on the rate-making process. The effectiveness of commission control. Problems in, and a survey of river-basin and public and power development. Prereq.: ECON 702 or 708 or 710. 4 q.h.

94-224 College of Arts And Sciences (Delete)
ECON 804. *The Economics of Central Planning*. History and development of centrally planned type economics as a substitute and decentralized market systems; theories of central planning; their analysis and evaluation; central planning and its operation in a particular command-type economy such as the Soviet Union, Red China, or Yugoslavia. The above analysis will be made in reference to a particular command-type economy which will be selected in advance as the topic for the quarter. Prereq.: ECON 622 or consent of the instructor. 4 q.h.

94-225 College of Arts And Sciences (Delete)
ECON 805. *Business Cycles and Economic Growth*. The nature, causes, and measurements of economic fluctuation. Cycle theories, and the use of difference and differential equations to study the generation of business cycles as a part of the growth process. Prereq.: ECON 712 or consent of the instructor. 4 q.h.

94-226 College of Arts And Sciences (Delete)
ECON 817. *Economics of Transportation*. Economic aspects of domestic transportation are analyzed and examined against a framework of economic theory. Additional topics include urban transportation, travel-decision making, investment appraisal, and pricing. Prereq.: ECON 702 or 708 or 710. 4 q.h.

94-227 College of Arts And Sciences (Delete)
ECON 821. *Location Theory*. An analysis of the economic considerations which do much to explain the locational patterns of individual business firms within regions of the U.S. and of the forces promoting agglomeration of firms. Prereq.: ECON 820. 4 q.h.

94-228 College of Arts And Sciences (Change)
ECON 510. *An Introduction to Economic Thought*. The basic principles of both microeconomics and macroeconomics are introduced, including the topics of supply and demand, decision making by the producer and consumer, and the determination of national output and employment. Not applicable toward a major in Economics. 4 q.h.

94-229 College of Arts And Sciences (Add)
ECON 530. *Principles 1: Microeconomic Theory and Policy*. Introduction to supply and demand analysis. The theories of perfect competition and imperfect competition as applied to the markets for goods, services, and labor. Effects of taxes and government regulation of markets on price and output. Prereq.: MATH 512 or Highschool Algebra 2 or equivalent. 4 q.h.

94-230 College of Arts And Sciences (Add)
ECON 630. *Principles 2: Macroeconomic Theory and Policy*. The methods of national income accounting and measurement of economic performance. Theories of inflation, unemployment, and economic growth; the banking system, and the effectiveness of government monetary and fiscal policies in the control of inflation and unemployment. Prereq.: ECON 530. 4 q.h.

94-231 College of Arts And Sciences (Add)
ECON 631. *Principles 3A: Economic Issues*. Designed to suit the needs of Economics and other liberal arts majors. Economic analysis applied to problems in labor, agriculture, antitrust regulation, social welfare and poverty, urban areas, environment, international trade, international finance, and less developed countries. Not applicable toward a major in Economics if student has taken ECON 632. Prereq.: ECON 630. 4 q.h.

94-232 College of Arts And Sciences (Add)
ECON 632. *Principles 3B: International Economics*. Designed to suit the needs of business majors. Determinants of a nation's exports and imports of goods and services. The effects of free and restricted international trade on a nation's welfare, income, and employment structure. Balance of payments problems, exchange rate regimes and currency unification. International investment and regional development. Not applicable toward a major in Economics if student has taken ECON 631. Prereq.: ECON 630. 4 q.h.

94-233 College of Arts And Sciences (Add)
ECON 807. *Economic Development*. Analysis of developing economies, particularly Africa, Asia and Latin America. Prereq.: ECON 622 or ECON 631 or permission of instructor. 4 q.h.

94-234 College of Arts And Sciences (Add)
ECON 808. *Money and Banking 2*. Procedures employed by financial institutions to assess and manage default, market, and call risk. Determination of interest rates, misintermediation, securitization, markets for derivative securities, and markets for collateralized mortgage obligations. Prereq.: ECON 701. 4 q.h.

94-235 College of Arts And Sciences (Change)
ECON 812. *International Finance*. Theories of foreign exchange and capital movements, international payments, analysis of spot and forward foreign exchange markets, foreign exchange market arbitrage, speculation, and risk hedging. The Bretton Woods agreement and the contemporary international monetary system. The rise of

international organizations and multinational enterprises. Prereq.: ECON 622 or ECON 631 or permission of instructor. 4 q.h.

94-236 College of Arts And Sciences (Change)
ECON 820. *Regional Economic Analysis*. Techniques for measuring the growth or decline of economic activity in small-area economies. Topics include economic base analysis, input-output applications, economic modeling and forecasting, and theory of location and agglomeration. Prereq.: ECON 631 or ECON 622. 4 q.h.

94-237 College of Arts and Sciences (Change)
CIS 601. *Scientific Programming*. An introductory course in computer programming using the science-oriented language known as Fortran. Three hours of lecture and three hours of laboratory per week. Prereq.: MATH 520.4 q.h.

94-238 College of Arts and Sciences (Change)
CIS 613. *RPG Programming*. A detailed study of the Report Program Generator (RPG) language. Applications programs ranging from business reporting to master file updating. Prereq.: CIS 610. 4 q.h.

94-239 College of Arts and Sciences (Change)
CIS 621. *Data Communications*. Develops the communication system pertaining to transmission media; communication hardware, including modems, switches, multiplexers, terminals and gateways; and various protocols to manage the network pathways and data traffic. Prereq.: CIS 610. 4 q.h.

94-240 College of Arts and Sciences (Change)
CIS 804. *Programming in Operations Research Applications*. Basic operations-research techniques and programming. Linear programming, queuing, mathematical modeling, and network analysis. Prereq.: CIS 640 4 q.h.

94-241 College of Arts and Sciences (Change)
CIS 808. *CICS Programming*. A detailed study of CICS (Customer Information Control System), including CICS commands, file definitions, screen definitions, and application programming. Prereq.: CIS 714 or consent of instructor. 4 q.h.

94-242 College of Arts and Sciences (Change)
CIS 818. *Development of Data Bases*. The basic structure, design, development, implementation, and modification of data bases for use in management information systems. Prereq.: CIS 640 and 32 q.h. of CIS courses applicable to the major. 4 q.h.

94-243 College of Arts and Sciences (Change)
CIS 820. *Computer Center Operations*. The organization of a computer center with emphasis on features and selection criteria of communication equipment including mainframe, minicomputer, and microcomputer. Prereq.: CIS 640 and 32 q.h. of CIS courses applicable to the major. 4 q.h.

94-244 College of Arts and Sciences (Change)
CIS 822. *Data Base Applications*. Design and development of applications using data base languages. Prereq.: CIS 818. 4 q.h.

94-245 College of Arts and Sciences (Change)
CIS 824. *Artificial Intelligence in Decision Making*. A study of software from the field of artificial intelligence. Topics may include software for robotic control, expert systems, or logic programming. Prereq.: CIS 818. 4 q.h.

94-246 College of Arts and Sciences (Change)
CSCI 610. *Computer Programming I*. An introduction to problem solving methods and algorithms using a high level programming language. Designing, coding, debugging, and documenting programs using techniques of good programming style. Prereq.: CSCI 540 or equivalent. 4 q.h.

94-247 College of Arts and Sciences (Change)
CSCI 650. *Language Topics*. Intensive language courses with emphasis on writing efficient programs in a particular programming language. Each language topic is open only to students without previous credit in that particular language. The language topic and special prerequisites will be announced in advance. Prereq.: Varies by topic or permission of instructor. 4 q.h.

94-248 College of Arts and Sciences (Change)
CSCI 720. *Introduction to Software Development*. Aspects of software development that pertain directly to the specification, design, and implementation process. Topics include software requirements and specifications, general principles of software design, modular software construction, programming methodology. Prereq.: CSCI 701. 4 q.h.

94-249 College of Arts and Sciences (Change)
CSCI 750. *Introduction to UNIX*. An introduction to the UNIX operating system. Topics include the study of the UNIX shell, UNIX utilities, and the C programming language. Prereq.: CSCI 615. 4 q.h.

94-250 College of Arts and Sciences (Change)
CSCI 770. *Survey of Programming Languages*. A survey of several programming languages. Languages surveyed may include Ada, Modula-2, C, LISP, and SNOBOL. Prereq.: CSCI 701. 4 q.h.

94-251 College of Arts and Sciences (Change)
CSCI 780. *Microcomputer System Software*. Programming microprocessor based systems using assembly language. Study of addressing techniques, machine language, program segmentation and linking on microcomputers. Prereq.: CSCI 620. 4 q.h.

94-252 College of Arts and Sciences (Change)
CSCI 800. *File and Communication Systems*. A study of the basic functions, organization, and structures of file and communication systems. Analysis and realizations of those systems. Prereq.: CSCI 701. 4 q.h.

94-253 College of Arts and Sciences (Change)
CSCI 805. *Systems Programming*. Study of the various aspects of systems programming including assemblers, loaders, linkage editors and macro processors. Prereq.: CSCI 701. 4 q.h.

94-254 College of Arts and Sciences (Change)
 CSCI 835. *Artificial Intelligence*. Study of the theory and application of intelligent systems. Topics may include general problem-solving techniques, knowledge representation and expert systems, vision and perception, natural language processing, AI systems and languages. Prereq.: CSCI 701 and 710, and MATH 725. 4 q.h.

94-255 College of Arts and Sciences (Change)
 CSCI 870. *Data Structures and Algorithms*. Study and application of analysis and design techniques to non-numerical algorithms. Topics selected from algorithms acting on sets, trees, graphs; memory management, notions of complexity and related areas. Prereq.: CSCI 701 and 710. 4 q.h.

94-256 College of Arts and Sciences (Add)
 CIS 520. *Computer Systems Literacy*. A survey of computer concepts and applications, Network access and electronic mail. Emphasis on software applications packages available for microcomputers, including word processing, spreadsheets, and data bases. Listed also as CSCI 520. Not applicable to the CSCI or CIS majors. 4 q.h.

94-257 College of Arts and Sciences (Add)
 CIS 525. *Survey of Modern Operating Systems*. An introduction to the common operating systems currently used by computers, such as DOS, Microsoft Windows, UNIX and X-windows. Topics include setting up the user's work environment, file manipulation, and other common commands. Listed also as CSCI 525. Not applicable to the CSCI or CIS majors. 4 q.h.

94-258 College of Arts and Sciences (Add)
 CIS 540. *Survey of Computer and Information Sciences*. Concepts, theory, and contemporary issues underlying the computing sciences. Introduction to computer applications, the YSU computing environment, the use of communication and information networks, and basic problem-solving techniques using computers. Listed also as CSCI 540. 4 q.h.

94-259 College of Arts and Sciences (Add)
 CIS 550. *Survey of Language Topics*. Introductory language courses with emphasis on writing structured programs in a particular computer language. The language topic and special prerequisites will be announced in advance. Not applicable to the CSCI or CIS majors. Listed also as CSCI 550. Prereq.: Varies by topic, or permission of instructor. 4 q.h.

94-260 College of Arts and Sciences (Add)
 CIS 602. *Programming in C*. An introduction to programming concepts and techniques with an emphasis on scientific and engineering applications. An accelerated survey of the C programming language and an introduction to the UNIX programming environment. Not applicable to the CSCI or CIS majors. Listed also as CSCI 602. Prereq.: MATH 525 or equivalent. 4 q.h.

94-261 College of Arts and Sciences (Add)
 CIS 605. *MVS JCL & Utilities*. General purpose programs found in computer installations, including sort/merge routines, report generators, magnetic tape routines, supervisory routines, and random-access utility programs. Prereq.: CIS 540. 4 q.h.

94-262 College of Arts and Sciences (Add)
 CIS 610. *Programming and Problem Solving*. Techniques for designing, writing, and testing programs using a high-level language. Topics include loops, decisions, arrays, program modularity, use of multiple files, and report generation. Three hours lecture and three hours lab per week. Prereq.: CIS/CSCI 540. 4 q.h.

94-263 College of Arts and Sciences (Add)
 CIS 615. *Business Programming*. Use of one or more programming languages for writing business-related programs. Table (array) processing, file input and output, sorting, report generation, and multi-step jobs. Introduction to non-sequential files. Three hours lecture and three hours lab per week. Prereq.: CIS 610. 4 q.h.

94-264 College of Arts and Sciences (Add)
 CIS 620. *Data Structure & Design*. The theory and application of data structures. Linked structures, chain processing, trees, networks, and graphs will be implemented. Prereq.: CIS 610. 4 q.h.

94-265 College of Arts and Sciences (Add)
 CIS 626. *Visual/Object-oriented Programming*. Use of one or more visual programming languages in conjunction with the concepts of object-oriented programming. Development of interactive programs using a graphical user interface. Three hours lecture, three hours lab per week. Prereq.: CIS 610. 4 q.h.

94-266 College of Arts and Sciences (Add)
 CIS 630. *User Interface Design*. The design, implementation, and evaluation of human-computer interfaces. Emphasis will be on practical applications of guidelines to modern multimedia and graphical user interfaces. Listed also as CSCI 630. Prereq.: CIS 610 or CSCI 610. 4 q.h.

94-267 College of Arts and Sciences (Add)
 CIS 635. *UNIX Environment*. Use of the UNIX operating systems or similar systems, including editors, file management, shell scripts, and language compilers. Prereq.: CIS 610. 4 q.h.

94-268 College of Arts and Sciences (Add)
 CIS 640. *Business Programming Project*. Design and construction of one or more business-related programming projects using several languages and multiple file formats. Three hours lecture, three hours lab per week. Prereq.: CIS 615 and CIS 620. 4 q.h.

94-269 College of Arts and Sciences (Add)
 CIS 714. *Assembly Language and Architecture*. Fundamentals of computer architecture and organization. Forms of data representation. Assembly language and machine language programming. The assembly process. Methods and protocols for subroutine linkage. Prereq.: CIS 640. 4 q.h.

94-270 College of Arts and Sciences (Add)
 CIS 718. *Operating Systems Concepts*. Concepts of computer operating systems, including memory allocation, job scheduling, process communication, and input/output processing. Examination of operating systems on several platforms. Prereq. or concurrent: CIS 714. 4 q.h.

94-271 College of Arts and Sciences (Add)
 CIS 730. *Introduction to Computer Graphics*. A practical introduction to the techniques of computer raster graphics, including scan conversion, two and three-dimensional clipping and windowing, transformations and viewing in 3D. Algorithms and more advanced topics will be surveyed. Listed also as CSCI 730. Prereq.: CIS/CSCI 630 and MATH 572 or equivalent. 4 q.h.

94-272 College of Arts and Sciences (Add)
 CIS 831. *Virtual Reality Systems*. An investigation into the use, design, implementation, and evaluation of virtual reality interfaces. Experience with VR systems using both 2D projection and stereoscopic display and other systems. Students will work in multidisciplinary groups. Listed also as CSCI 831. Prereq.: CIS/CSCI 730. 4 q.h.

94-273 College of Arts and Sciences (Add)
 CIS 840. *Business Systems Analysis & Design*. The study of computing and information systems analysis, design, and implementation. This project course uses many of the concepts presented throughout the curriculum. Prereq.: CIS 822 and senior standing. 4 q.h.

94-274 College of Arts and Sciences (Add)
 CSCI 520. *Computer Systems Literacy*. A survey of computer concepts and applications, Network access and electronic mail. Emphasis on software applications packages available for microcomputers, including word processing, spreadsheets, and data bases. Listed also as CIS 520. Not applicable to the CSCI or CIS majors. 4 q.h.

94-275 College of Arts and Sciences (Add)
 CSCI 525. *Survey of Modern Operating Systems*. An introduction to the common operating systems currently used by computers, such as DOS, Microsoft Windows, UNIX and X-windows. Topics include setting up the user's work environment, file manipulation, and other common commands. Listed also as CIS 525. Not applicable to the CSCI or CIS majors. 4 q.h.

94-276 College of Arts and Sciences (Add)
 CSCI 540. *Survey of Computer and Information Sciences*. Concepts, theory, and contemporary issues underlying the computing sciences. Introduction to computer applications, the YSU computing environment, the use of communication and information networks, and basic problem-solving techniques using computers. Listed also as CIS 540. 4 q.h.

94-277 College of Arts and Sciences (Add)
 CSCI 550. *Survey of Language Topics*. Introductory language courses with emphasis on writing structured programs in a particular computer language. The language topic and special prerequisites will be announced in advance. Not applicable to the CSCI or CIS majors. Listed also as CIS 550. Prereq.: Varies by topic or permission of instructor. 4 q.h.

94-278 College of Arts and Sciences (Add)
 CSCI 602. *Programming in C*. An introduction to programming concepts and techniques with an emphasis on scientific and engineering applications. An accelerated survey of the C programming language and an introduction to the UNIX programming environment. Not applicable to the CSCI or CIS majors. Listed also as CIS 602. Prereq.: MATH 525 or equivalent. 4 q.h.

94-279 College of Arts and Sciences (Add)
 CSCI 630. *User Interface Design*. The design, implementation, and evaluation of human-computer interfaces. Emphasis will be on practical applications of guidelines to modern multimedia and graphical user interfaces. Listed also as CIS 630. Prereq.: CIS 610 or CSCI 610. 4 q.h.

94-280 College of Arts and Sciences (Add)
 CSCI 701. *Computer Programming 3*. Advanced programming techniques for design and implementation of large programs. Object-oriented design and programming, including classes, inheritance, and polymorphism. Introductory software engineering techniques for program development, specification, documentation, verification, and user interface design. Prereq.: CSCI 615. 4 q.h.

94-281 College of Arts and Sciences (Add)
 CSCI 730. *Introduction to Computer Graphics*. A practical introduction to the techniques of computer raster graphics, including scan conversion, two and three-dimensional clipping and windowing, transformations and viewing in 3D. Algorithms and more advanced topics will be surveyed. Listed also as CIS 730. Prereq.: CIS/CSCI 630 and MATH 572 or equivalent. 4 q.h.

94-282 College of Arts and Sciences (Add)
 CSCI 830. *Advanced Computer Graphics*. A thorough investigation of graphics algorithms. Topics will include hidden surface removal, parametric curves, lighting, shading, and texturing. An implementation of a graphics project is required. Prereq.: CIS/CSCI 730 and MATH 725. 4 q.h.

94-283 College of Arts and Sciences (Add)
 CSCI 831. *Virtual Reality Systems*. An investigation into the use, design, implementation, and evaluation of virtual reality interfaces. Experience with VR systems using both 2D projection and stereoscopic display and other systems. Students will work in multidisciplinary groups. Listed also as CIS 831. Prereq.: CIS/CSCI 730. 4 q.h.

94-284 College of Arts and Sciences (Delete)
 CIS 500. *Data Processing Concepts*. A survey of computer applications and information needs in business. Emphasis on hardware, software functions, software packages available for microcomputers, and mainframe computing. 4 q.h.

94-285 College of Arts and Sciences (Delete)
 CIS 607. *Business Programming 1*. An introductory Cobol programming course using structured and top-down programming. Three hours of lecture and three hours of laboratory per week. Prereq.: CIS 500 or consent of instructor. 4 q.h.

94-286 College of Arts and Sciences (Delete)
 CIS 611. *Programming S/370 Assembler*. Use of the Assembler language in writing, testing, and running of programs on this computer system. Three hours of lecture and three hours of laboratory per week. Prereq.: CIS 601 or CIS 607. 4 q.h.

94-287 College of Arts and Sciences (Delete)
 CIS 616. *Operating Systems*. Study and use of Job Control Language; operating systems including translators, compilers, high-level language processing, batch processing, realtime processing, and multiprogramming. Prereq.: CIS 611. 4 q.h.

94-288 College of Arts and Sciences (Delete)
 CIS 618. *Data Processing Application*. Business data-processing applications such as payroll, accounts payable, budget control, inventory control, and production control will be covered, using COBOL language, VSAM and CICS commands. Three hours of lecture and three hours of laboratory per week. Prereq.: CIS 608 and CIS 609. 4 q.h.

94-289 College of Arts and Sciences (Delete)
 CIS 622. *Utility Programs*. General purpose programs found in computer installations, including sort/merge routines, report generators, magnetic tape routines, supervisory routines, and random-access utility programs. Prereq.: CIS 611. 4 q.h.

94-290 College of Arts and Sciences (Delete)
 CSCI 530. *Computer Literacy*. An overview of the development and operation of the modern stored-program computer and its impact on society, including an introduction to microcomputers, application software (in particular, word processing, spreadsheet and data base packages), and the use of an interactive programming language. Prereq.: MATH 511 and 512 or equivalent. 4 q.h.

94-291 College of Arts and Sciences (Delete)
 CSCI 651. *Introduction to COBOL*. The study of divisions in COBOL, table handling, and file management. Prereq.: CSCI 610 or ACCTG 610 or equivalent. 2 q.h.

94-292 College of Arts and Sciences (Delete)
 CSCI 652. *Introduction to FORTRAN*. An intensive introduction to FORTRAN. Topics include arrays, subroutines, and files. Prereq.: CSCI 610 or mainframe programming experience in a high-level language. 2 q.h.

94-293 College of Arts and Sciences (Delete)
 CSCI 670. *Introduction to Microcomputers*. An in-depth introduction to disk operating systems including the study of application software packages such as word processors, spreadsheets, and data managers. Not open to students with credit in CSCI 705. Prereq.: CSCI 610 or permission of instructor. 2 q.h.

94-294 College of Arts and Sciences (Delete)
 CSCI 810. *Computer Graphics*. An introduction to the algorithms of computer graphics. Topics include two and three dimensional representation techniques, clipping and windowing, hidden line and surface removal, and curve smoothing. Prereq.: CSCI 620, MATH 674 and 760 or permission of instructor. 4 q.h.

94-296 College of Arts and Sciences (Add)
 PHIL 835. *Ethics and Scientific Research*. An examination of the ethical problems surrounding scientific research. Topics include definition of scientific misconduct; issues related to fabrication, falsification, and plagiarism of scientific data; human subject research, including informed consent, double-blind studies, and access to research protocols. Prereq.: Junior standing or permission of instructor, and any 500-level course in natural or social science. 4 q.h.

94-297 College of Health and Human Services (Delete)
 HPES 714. *Fitness Management Skills Practicum*. Intermediate exercise testing, exercise prescription, exercise analysis, and other technical skills for exercise programs. Practical supervised experience in exercise leadership skills will involve at least 8-12 hours per week. This course covers behavioral objectives for Health/Fitness instructors as advocated by the American College of Sports Medicine. Prereq.: HPES 616. 4 q.h.

94-298 College of Health and Human Services (Delete)
 HPES 715. *Exercise Test Technological Practicum*. Advanced exercise testing and exercise prescriptions for special populations. Practical supervised experience in health/fitness facilities will involve at least 8-12 hours per week. This course covers behavioral objectives for Exercise Test Technologists as advocated by the American College of Sports Medicine. Prereq.: HPES 714. 4 q.h.

94-299 College of Health and Human Services (Delete)
 HPES 802. *Internship*. A full-time culminating experience in an approved fitness or sports related setting (i.e., health spa or racquetball club) under the direct supervision of a qualified individual and coordinated by a supervising faculty member. This course will require 40 hrs. per week. Prereq.: HPES 618, 795 and senior standing. 15 q.h.

COVER SHEET TO BE ATTACHED TO ALL REPORTS SUBMITTED TO THE ACADEMIC SENATE

Date 4-20-94 Report Number (For Senate Use Only) 934-28

Name of Committee Submitting Report Academic Standards and Events

Committee Status: (elected chartered, appointed chartered, ad hoc, etc.)
appointed chartered

Names of Committee Members: C. Anderson, T. Bodnovich, D. Decker,
R. Hoover, L. Hugenberg, H. Kim, S. Martinek, S. Russo, P. Schuster,
S. Tingley, K. Blankenship, S. Schulick

Please write a brief summary of the report which the Committee is submitting to the Senate (attach complete report): _____

A revision of the University's Incomplete Grade Policy to provide for
closure in the assignment of grades and to allow increased flexibility
in requesting an incomplete grade.

Do you anticipate making a formal motion relative to the report? Yes
If so, state the motion: _____

~~Move the acceptance of the attached report on Incomplete Grade Policy~~

If there are substantive changes made from the floor in your committee recommendation, would the committee prefer that the matter be sent back to committee for further consideration? No

Other relevant data: _____

TAB
Chairman (please initial)

Academic Standards & Events Committee

Report on Incomplete Grade Policy

4-20-94

At the request of the Senate Executive Committee, the Academic Standards and Events Committee has examined the University's current Incomplete Grade Policy. Based upon this examination, the committee makes the following recommendations.

1. Faculty as well as students should be able to initiate a request for an incomplete grade.
The current policy requires that a request for an incomplete grade must be initiated by the student. The committee recommends that the faculty member also be empowered to initiate this request.
2. The instructor and the chair should both be required to approve the request for an incomplete grade.
The current policy requires approval from the instructor and the dean. The committee recommends that only the faculty member and chair approve requests.
3. All incomplete grades must be converted to letter grades within one year or by graduation, whichever is sooner. Incomplete grades which are not converted to grades within this time period will automatically be converted to "F"s.
The current policy allows incomplete grades to stay on a student's record forever. This is contrary to the purpose of an incomplete grade, which is to allow a student the opportunity to complete course-work. The committee feels that one year is a reasonable time period for completing course-work and therefore recommends that all incomplete grades must be converted to letter grades within one year or by graduation, whichever is sooner. Furthermore, it is recommended that incomplete grades which are not converted to grades within this time period should automatically be converted to "F"s. This recommended policy is consistent with incomplete grade policies at many other universities.
4. The faculty member should specify a firm deadline by which all incomplete work must be completed. This deadline may be up to one year from the end of the academic quarter, although it is anticipated that most deadlines will be considerably shorter.
The current policy does not require the imposition of a deadline. Some students currently disappear after receiving an incomplete grade and never complete the course-work. The committee therefore recommends that a firm deadline be assigned for completing course-work. Furthermore, it is recommended that this deadline be within one year of the end of the academic quarter.

A copy of the policy to be included in the Undergraduate and Graduate Bulletins and a recommended form for requesting an incomplete grade are attached.

COPY FOR BULLETINS

INCOMPLETE GRADE POLICY

An incomplete grade of "I" may be given to a student who has been doing satisfactory work in a course but, for reasons beyond control of the student and deemed justifiable by the instructor, had not completed all requirements for a course when grades were submitted. A written explanation of the reason for the "I" and a date (which must be within one year) by which all course requirements will be completed, must be forwarded to the Office of the Registrar for inclusion in the student's permanent record, with copies to the student and department chairperson.

The instructor will initiate a grade change upon completion of the course requirements. If no formal grade change occurs within one year, the "I" automatically converts to an "F". If graduation occurs within the one-year time period, the Incomplete Grade will be converted to an "F" before graduation.

Department chairs are granted authority to convert grades of "I" into final grades in cases where instructors may have severed connections with the University or have become incapacitated before converting the grade.

EXPLANATION OF INCOMPLETE GRADE

To the Instructor:

An Incomplete grade may be assigned only under the following conditions:

1. THE STUDENT'S PREVIOUS WORK IN THE COURSE MUST HAVE BEEN SATISFACTORY.
2. THE REASON(S) GIVEN MUST BE BEYOND THE STUDENT'S CONTROL AND DEEMED JUSTIFIABLE BY THE INSTRUCTOR.

IN NO CASE MAY AN INCOMPLETE BE USED TO ALLOW A DEFICIENT STUDENT EXTRA TIME TO AVOID FAILING A COURSE.

Each course must have a separate explanation of an Incomplete grade. The completed explanation must accompany the Grade Report Rosters and be returned to the Registrar's Office through regular procedures. The Registrar's Office will effect distribution.

STUDENT'S NAME _____ SOCIAL SECURITY # _____
INSTRUCTOR'S NAME _____ INSTRUCTOR'S DEPT. _____
Quarter/Year _____ Course Code # _____ Department _____ Cat. # _____

Reason(s): _____

All course work must be completed by ___/___/___ or within one year of the end of this academic quarter, whichever is sooner.

IF NO FORMAL GRADE CHANGE OCCURS WITHIN ONE YEAR, THE *INCOMPLETE* GRADE AUTOMATICALLY CONVERTS TO AN "F". IF GRADUATION OCCURS WITHIN THE ONE-YEAR TIME PERIOD, THE *INCOMPLETE* GRADE WILL BE CONVERTED TO AN "F" BEFORE GRADUATION.

Instructor: Please read before signing.

I certify that the above named student has been doing satisfactory work in the course listed, and I consider that the reason(s) given is (are) justifiable and beyond the student's control.

Instructor's Signature Date

Chair's Signature Date
(College in which course is offered)



Copy Distribution:
WHITE - Records
YELLOW - Student
PINK - Chair
GOLDENROD - Department

James Scanlon
Provost

IMPORTANT INFORMATION -- PLEASE READ CAREFULLY

May 5, 1994

Dear Colleagues (Faculty, Students, Administrators):

The minutes for the May 4, 1994 Senate meeting are attached. There is a **statement from the Provost on Workload policy** that faculty should read.

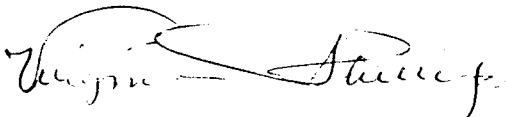
There will be **two additional meetings** this academic year. The next meeting, **May 25**, DeBartolo Hall, Room 132, 4 p.m. will be devoted to a discussion of **General Education Requirement Goals**. We hope to vote on the recommended goals at the May 25 meeting. Watch for the May 25 Agenda so that you can discuss any concerns and/or issues with the Senator who represents your area. Senate rules allow for those who are not Senators to address the Senate; however, you should contact the Chair (Virginia Phillips, X3120) prior to the Senate meeting if you are not a senator and wish to speak at the meeting.

June 1 will be the last scheduled Senate meeting. There will be several agenda items including a report from **Charter and Bylaws** that will recommend several changes in the **Academic Senate Committee structure and charges**.

An important **ad hoc committee will be jointly appointed by the Provost and the Chair of the Senate Executive Committee**. This committee will have the responsibility of **continuing the work of the committee that recommended the General Education Requirement Goals** to the Academic Standards and Events Committee. Members who serve on this committee will be asked to familiarize themselves with the national dialogue on reform of general education. They will also be asked to develop a clear, descriptive statement of the meaning of each goal that is adopted by the Senate. The charge has not yet been written; however, the work of this committee will be carried out in two stages: Stage 1 will involve looking at models used by other universities, evaluating those models, and selecting one model or a combination of elements from several models that will serve as the basis for developing a delivery mechanism for meeting YSU's General Education Requirements goals. Stage 2 will involve inviting university faculty and/or departments to propose courses and/or other delivery mechanisms that might fit the model and enable YSU to meet the goals that will be voted on at the May 25 meeting.

The ad hoc committee will present its recommendations to the Academic Standards and Events Committee. The Academic Standards Committee will consider the report, determine the process to be used to get university input and present a final report to the Academic Senate for deliberation.

This committee will meet on a regular basis over a period of two - three years. Please let your Senate Executive Committee representative know before May 20 if you would like to have your name considered for appointment to this committee. You may also contact V. Phillips X3120 or Provost Scanlon if you want your name considered.


Virginia Phillips, X3120, Chair, Senate

RECEIVED

MAY 11 1994

OFFICE OF THE PROVOST



MEMO TO: G. L. Mears, Executive Vice President
Chairperson, University Budget Committee

FROM: Leslie H. Cochran, President

SUBJECT: Budget Recommendations for 1994-95

DATE: April 14, 1994

Again, I want to thank you for chairing the university-wide budget planning process. The nature of the recommendations indicates that across the University we are rapidly improving our planning and decision-making abilities. Unfortunately, the fiscal constraints for next year are so great that I cannot support all of the requests. I am pleased, however, that I am able to respond to the most pressing needs of the University for additional funds.

When we started the planning process last fall, we set aside \$500,000 for planning purposes. Because of the critical campus-wide needs, I asked Rick Glunt if he could identify any additional resources. He was able to locate \$58,000 which has been added to the planning pool. I have added \$80,000 to cover the four additional faculty positions authorized last year. The decisions related to this \$638,000 are listed on the attached executive summary. Additionally, I am pleased to report that the budget for next year includes another \$100,000 library enhancement (phase 3 of 5) and the budget adjustments resulting from personnel changes approved by the Board in March in the areas of development, financial aid, human resources, and intercollegiate athletics.

In making the recommendations for next year, I have tried to combine the priorities established by the appropriate vice president with the judgment of the University Budget Committee. After assessing the top twenty-eight priorities of the committee, funding in full or part is being provided for twenty-three items. The five unfunded items remain open for consideration or reallocation of funds by the appropriate vice president. These actions generally follow the priorities as submitted by the various divisions. None of the Committee's twelve lowest priorities were supported.

As these decisions are shared through the campus, please remind everyone on the University Budget Committee that it is a shared responsibility to communicate the actions of all groups. Thanks, again, for your leadership.

msb

Attachment



Executive Summary

1994-95

UNIVERSITY PLANNING BUDGET RECOMMENDATIONS

ACADEMIC DIVISION

<u>Priority</u>	<u>Amount</u>	<u>Unit</u>	<u>Purpose</u>
1993-94	80,000	Counseling, Psychology, Secondary Ed., Human Eco.	4 new faculty positions/less \$100,000 in limited service
1, 2 & 3	62,000	Civil & Environmental Engineering, Eng., Soc.	3 new faculty positions/less 3 limited service FTE
4	25,000	Academic Departments	Colloquium Fund
5	25,000	Grants Office	Start-up operational expenses
6	76,000	Academic Units	Operational Supplies
7	30,000	Academic Colleges	College Brochures
8	10,000	Academic Division	Minority Student Recruitment
10	14,000	Library	P/A Librarian (fill - Jan 95)
	<u>\$322,000</u>		

BUSINESS AND FINANCE DIVISION

<u>Priority</u>	<u>Amount</u>	<u>Unit</u>	<u>Purpose</u>
1	\$ 52,000	Computer Center	Operational Expenses
3	15,000	Environ. Control Ctr.	1 - Environmental Technician (fill - Jan. 95)
4	38,000	Executive Vice President	Administrative Assistant (fill - Sept. 94)
7	10,000	Electronic Maintenance	Repair & Supplies
	<u>\$115,000</u>		

STUDENT AFFAIRS DIVISION

<u>Priority</u>	<u>Amount</u>	<u>Unit</u>	<u>Purpose</u>
1	\$ 50,000	Enrollment Units	Maintain Current Recruitment Efforts
2	40,000	Enrollment Services	Touch Tone Registration Costs
6	10,000	Student Affairs	Pre-College Program
	<u>\$100,000</u>		

PRESIDENT'S AREA

<u>Priority</u>	<u>Amount</u>	<u>Unit</u>	<u>Purpose</u>
1	\$ 28,000	General Counsel	Operations and Paralegal (fill - Sept. 94)
2	35,000	University Development	Maintain Current Program
3	20,000	Intercollegiate Athletics	Gender Equity - Women's Program (1 of 5)
	<u>\$ 83,000</u>		

STUDENT GOVERNMENT

<u>Priority</u>	<u>Amount</u>	<u>Unit</u>	<u>Purpose</u>
1	\$ 4,000	Student Government	Campus-wide Programs
2	7,000	Student Government	Operational Costs
3	7,000	Student Government	Student Organization
	<u>\$ 18,000</u>		
	<u>\$638,000</u>	Total Planning Allocations	