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TO: FULL-SERVICE FACULTY, ADMINISTRATORS, AND STUDENT GOVERNMENT  
FROM: Susan Mason, Secretary of the Senate  
RE: SENATE MEETING  
February 6, 1980, Schwebel Auditorium  
4:00 p.m.

January 21, 1980

AGENDA

1. Call to Order
2. Approval of Minutes of December 5, 1979
3. Report of Charter and ByLaws Committee  
7980-4 Progress report on requests submitted to Charter  
& ByLaws by the Senate Executive Committee and the  
Honors Committee (no action at this time)
4. Report of the Executive Committee
5. Report of the Elections and Balloting Committee
6. Reports of Other Senate Committees  
Academic Affairs Committee  
7980-5 Summary of activities for academic year to date  
(no action)  
Curriculum Committee  
7980-6  
7980-7 -- Course proposals (no action)  
7980-8
7. Unfinished Business
8. New Business
9. Adjournment

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

Date 1/21/80 Report Number (For Senate Use Only) 7980-4

Name of Committee Submitting Report Charter & By-laws

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

Names of Committee members: E. Abram, R. Crum, W. Esterly,  
D. Hovey, G. Murphy, D. O'Neill

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

Progress report on requests submitted to Charter & By-laws by the Senate Executive Comm. and the Honors Comm.

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? N/A at this time

Other relevant data: \_\_\_\_\_  
\_\_\_\_\_

EC  
Chairman (please initial)

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

Date 1-21-80

Report Number (For Senate Use Only)

7980-5

Name of Committee Submitting Report Academic Affairs Committee

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

Appointed chartered

Names of Committee members: V.P. Edgar, Drs. Hill, Kough, Richley, Baldino, Hovey, Hahn, Khawaja, Munro, Scriven, and student representatives.

Please write a brief summary of the report which the Committee is submitting to the Senate: (attach complete report) A summary of activities of the Academic Affairs Committee for the academic year to date.

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? Decide at the Senate meeting.

Other relevant data: \_\_\_\_\_



Chairman (please initial)

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

Date MAY 30 Report Number (For Senate Use Only) 7980-6

Name of Committee Submitting Report University Curriculum Committee

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

Names of Committee members: Joseph Babisch, Jack Bakos, John Grim, William Jenkins, Philip Munro, Staman Rodfong, James Steele, Calvin Swank Harold Yiannaki, Students-Elody Fee, Robert B. Simon, David M. Wheeler

Please write a brief summary of the report which the Committee is submitting to the Senate: (attach complete report) The University Curriculum Committee meets weekly on Wednesdays at 3 p.m. in the Buckeye Room of Kil. Hall. The attached course proposals have been considered by the committee, circulated in the prescribed manner and incorporated into the University inventory of courses. These courses have been appended to the Senate agenda in accordance with the bylaws.

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: \_\_\_\_\_

*To be attached to  
2/6/80 agenda  
Should have been attached  
to Nov. 79 agenda*

*Rec. 1/21/80  
gm*

WVJ  
Chairman (please initial)

5.  
Chemical Engineering 785L, 786L (Change) 79-248

Transport Phenomena Laboratory. Experimental studies of transport properties and momentum, energy and mass transfer using industrial type equipment. Correlation of data and comparison with theory. Preparation of technical reports. 3 hrs. laboratory. Prereq.: ChE 785 and ChE 786, respectively. 1 + 1 q.h.

Chemical Engineering 787L, 788L (Change) 79-249

Unit Operations Laboratory. Experiments in absorption, cascade operations, reaction kinetics, mixing and other chemical engineering operations employing industrial and pilot plant size equipment and instrumentation. Treatment of experimental data, correlations and comparison with theory. Preparation of technical reports. 3 hrs. laboratory. Prereq.: ChE 787 & ChE 788, respectively. 1 + 1 q.h.

Materials Science 620R, 621 (Change) 79-250

Chemical Principles of Materials Science I, II. Discussion of the application of physiochemical principles to metallurgical or materials problems. Prereq.: Chem. 515 or consent of instructor. 3 + 3 q.h.

Materials Science 620L, 621L (Addition of 620L, Change Of 621L) 79-251

Chemical Principles of Materials Science Laboratory. Laboratory experiments to illustrate the theoretical concepts discussed in MAT SCI 620 and 621. 3 hrs. laboratory. Prereq.: MAT SCI 620 and 621, respectively. 1 + 1 q.h.

Materials Science 791R, 792R, 793R (Change) 79-252

Physical Metallurgy I,II,III. Review of atomic and nuclear structure of materials. Band theory of solids; advanced discussion of electrical conductivity, magnetic properties and thermal properties of materials, different types of solids. Elastic and plastic properties of materials; modes of plastic deformation; slip and twinning; quantitative discussion on deformation mechanism; dislocation theories and their application. Phase diagrams and kinetics of phase transformation. Diffusion controlled and diffusionless phase transformation; theoretical treatment of nucleation and growth processes; diffusion. 3 hrs. lecture and 3 hrs. laboratory. Prereq.: MAT SCI 620 or ChE 771 or consent of instructor. 4 + 4 + 4 q.h.

Materials Science 861 (Change) 79-253

Applied X-Rays I. Generation of X-rays; principle of radiography, X-ray absorption; X-ray diffraction; interaction of X-rays with matter; Laue back reflection and transmission; powder diffraction; diffractometer; determination of crystal structure and lattice parameters. 2 hrs. lecture + 3 hrs. laboratory. Prereq.: MAT SCI 793R. 3 q.h.

Materials Science 862 (Change) 79-254

Applied X-Rays II. Application of X-rays in physical metallurgy to determine solubility, lattice structure, atom location, grain size, preferred orientation, phase diagrams. 2 hrs. lecture + 3 hrs. laboratory. Prereq.: MAT SCI 861. 3 q.h.

6.  
Art 769 (Addition) 79-255

Fiber Exploration. Individual manipulation of the processes of dyeing, printing of fibers, and creative stitchery, wrapping, macrame, soft sculpture, creative knitting and crocheting. 8 hours laboratory.

Prereq.: Art 511. 4 q.h.

Speech Communication and Theatre 562 (Addition) 79-256

Theories and Practices of Dance for the Theatre. Principles and practices of expressive movement for the stage through basic ballet and other dance approaches. Designed to expand the student's range of movement possibilities, and to develop grace, flexibility, and control. 2 hrs. laboratory. 1 q.h.

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

Date JUN 4 1980 Report Number (For Senate Use Only) 7980-7

Name of Committee Submitting Report University Curriculum Committee

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

Names of Committee members: Joseph Pabisch, Jack Bakos, John Grim, William Jenkins, Philip Munro, Staman Rodfong, James Steele, Calvin Swank Harold Yiannaki, Students-Elody Fee, Robert B. Simon, David M. Wheeler

Please write a brief summary of the report which the Committee is submitting to the Senate: (attach complete report) The University Curriculum Committee meets weekly on Wednesdays at 3 p.m. in the Buckeye Room of Kil. Hall. The attached course proposals have been considered by the committee, circulated in the prescribed manner and incorporated into the University inventory of courses. These courses have been appended to the Senate agenda in accordance with the bylaws.

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 relevent data: \_\_\_\_\_

*Rec. 1/21/80  
AM*

*To be attached to  
2/6/80 Agenda -  
Should have been attached to  
Nov. 79 Agenda*

WRG  
Chairman (please initial)

Music 622 (Addition) 79-260

Popular Music in America. The changing styles in American popular music from its origins to the present day studied through an examination of representative compositions and performers. 4 q.h.

Civil Engineering 875, 775 (Addition of 775, Deletion of 875) 79-261

Hydrology. A study of the properties, distribution, and behavior of water in nature as it appears in its three forms: precipitation, surface water, and sub-surface water. Hydrologic design of hydraulic structures. Prereq.: Math 572, IE 642 or equiv. 4 q.h.

Economics 843 (Addition) 79-263

Fair Employment Opportunity and Income Security. The economic impact of discrimination in obtaining and maintaining employment and in upward progression in the labor market; the economic consequences of government anti-discrimination programs, particularly at the level of the firm, and of programs directed toward the achievement of guaranteed and stabilized incomes during the working and retirement years. Prerequisite: Econ. 622 4 q.h.



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

Date 1/21/80

Report Number (For Senate Use Only) 7980-8

Name of Committee Submitting Report University Curriculum Committee

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

Names of Committee members: Bakos, Dastoli, Jenkins, Mayhall, Owens Snozek, Viehmeyer, Zupanic, Yiannaki, Rand and student representatives Karla Snyder and Naomi Michael

Please write a brief summary of the report which the Committee is submitting to the Senate: (attach complete report) The University Curriculum Committee meets weekly on Thursdays at 2 p.m. in the Buckeye Room of Kilcawley Center. The attached course proposals have been considered by the Committee, and have been circulated in the prescribed manner and have been incorporated into the University inventory of courses.

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: \_\_\_\_\_  
\_\_\_\_\_

MAG  
Chairman (please initial)

- 80-30 Biological Sciences 809 (Addition)  
Concepts of Developmental Biology. The study of recent advances in developmental biology with emphasis on sub-molecular, organismal, and gross differentiation. Two hours lecture and four hours laboratory per week. Prereq.: Biol. 808 or consent of instructor. 4 q.h.
- 80-31 Biological Sciences 713 (Change)  
Vertebrate Histology. The microscopic study of mammalian tissue. Four hours lecture per week. Prereq: Biol. 710. 4 q.h.
- 80-32 Biological Sciences 713L (Addition)  
Vertebrate Histology Laboratory. The preparation of mammalian tissue using various histologic techniques. Students will prepare their own slides for study. Four hours laboratory per week. Prereq. or concurrently: Biol. 713. 2 q.h.
- 80-34 Political Science and Social Science 600 (Deletion) 550 (Addition)  
Elements of Politics. An analytic approach to the study of politics with illustrations drawn from a variety of political systems. Political Science 550 replaces Political Science 600. 4 q.h.
- 80-36 Psychology 550 (Deletion)  
Improvement of Adult Reading Ability. Stresses techniques involved in the improvement of reading skill for adults; of interest to those wishing to improve their own reading ability. Meets two hours per week and is counted as two quarter hours for load and billing purposes. Credits from this course cannot be used toward graduation. Open to all students. 2 q.h.
- 80-37 Criminal Justice 701 (Change)  
Probation and Parole. An examination of the theory and practice of probation and parole with juvenile and adult offenders. Prereq.: CJ 603. 4 q.h.
- 80-38 Criminal Justice 702 (Change)  
Institutional Services in Corrections. An examination of contemporary theory and practice in the administration of juvenile and adult correctional institutions. Prereq.: CJ 603. 4 q.h.
- 80-41 Allied Health 503 (Change)  
Respiratory Procedures I. Indications, hazards, and techniques used to administer various respiratory procedures. Procedural demonstrations will be required for medical gas administration, aerosol therapy, incentive spirometry, IPPB therapy, and chest physio-therapy. Must be taken concurrently with RT 504. 3 q.h.

- 80-42 Allied Health 503L (Addition)  
Respiratory Procedures I Lab. Designed to allow the student to integrate theory and patient care skills in a simulated clinical setting. Three hours lab per week. Must be taken concurrently with RT 503. 1 q.h.
- 80-43 Philosophy and Religious Studies 815 (Change)  
Existentialism. A study of the background and teachings of existentialism; and an analysis of the methodological principles of existentialism as seen in the writings of Kierkegaard, Husserl, Heidegger, Jaspers, Sartre, Marcel, and Merleau-Ponty. Prereq.: Philosophy 600 or consent of instructor.
- 80-44 Psychology 803 (Change)  
Comparative Psychology. A study of the variety of behavior within the animal kingdom. Applicable to the psychology major. Prereq.: Psychology 615 or consent of instructor. (Sp) (\*\*) 4 q.h.