

MINUTES
ACADEMIC SENATE
February 3, 1978

ATTENDANCE: (See attached attendance roster.)

The meeting was called to order at 4:07 by Dr. Jean Kelty, chairperson of the Senate.

APPROVAL OF MINUTES OF DECEMBER 2, 1977 SENATE MEETING

On page one, Dean Yozwiak's name should be deleted from Charter and ByLaw Committee membership, not from the Executive Committee. With this correction, the minutes were approved.

COMMITTEE REPORTS

Charter and ByLaws Committee - Dr. Cox reported.

The Charter and ByLaws Committee has been discussing two issues:

1) The allocation of computer time: The Computer Committee and Dr. Edgar will meet next week to discuss some compromise measures. Until that meeting takes place, the Charter and ByLaws Committee will not turn in a report on this matter.

2) This issue concerns the wording of the OEA-YSU agreement and who has the authority to make changes in the curriculum of a department. Letters were sent to Dr. Edgar, representing the administration and Dr. O'Neill representing the OEA, asking if it was their intent to make any change in past practices. Replies were received from both gentlemen saying it had not been the intent of the negotiators to make any changes in past practices. (Copies of the letters are attached to the minutes.)

Executive Committee - Dr. Kelty reported that Dr. K. J. Rao was appointed to fill the slot on the Research Committee created by the resignation of Stanley Jacobs.

Elections and Balloting Committee - No report.

REPORTS OF OTHER SENATE COMMITTEES

Academic Events Committee - There was no representative to present the report. If there are any questions, they will be answered at the next meeting.

Continuing Education Committee - Dr. Feldmiller reported due to the illness of Dr. Loch, chairman of the committee.

Dr. Feldmiller made the following statements:

The Kellogg Foundation has given the University of Utah \$1,300,000 to study the interaction of Continuing Education with all colleges and departments in that institution.

State institutions in Ohio that are either state supported or state assisted that have and use the Continuing Education Unit as it is described in this policy statement are:

Ohio University	Ohio State University
Wright State University	University of Akron
Cleveland State University	University of Miami
University of Cincinnati	Kent State University
Bowling Green University	Lakeland Community College
University of Toledo	St. Clair Community College

Central State University, Cuyahoga Community College, Lorain Community College and Youngstown State University do not offer the Continuing Education Unit.

Motion to accept the report

No vote (see motion below)

Dr. Feldmiller moved to accept the policy statement. Second by Deiderick. Discussion followed.

If we adopt this policy statement, we will be using the same guidelines as the other institutions. The Continuing Education Unit is used only for those programs and courses that have the approval of the academic department. The CEU will not be used for all Continuing Education offerings.

Q: Was this referred to the Academic Affairs Committee? A: They now have copies of the report. This report was given to the Academic Affairs Committee, but there was no formal request to review it.

Dr. Morrison:

The Continuing Education Unit provides for some courses a way of defining in such a way that there is a common denominator for a training session offered at YSU or any other university that adheres to these guidelines. It would not involve the majority of offerings through Continuing Education. It has gone from our committee to the Dean's Council, where it was suggested it go to Academic Affairs and that it should go to the Senate. He would urge the Senate to approve the report.

He made two points to clear up any misconceptions:

- 1) The Continuing Education Unit is not academic credit. There is no way to transfer CEU to academic credit or vice versa.
- 2) Each department has absolute veto power over granting CEU credits for courses related to their area. If the department feels the course is questionable or intrudes in their area, they can say no and the course will not be offered for CEU credit.

The advantages: There are many organizations which are willing to sponsor workshops. This is one way to attract people from the community to our campus and perhaps lead them to other university courses and increase the overall enrollment.

Motion to refer to Academic Affairs CommitteeCarried

Dr. Edgar moved that this matter be referred to the Academic Affairs Committee. Seconded. Dr. Cohen stated that he was not convinced that two committees should go over the unit. Dr. Baldino stated that whenever issues have been referred to more than one committee, it has generally resulted in a stronger policy.

Continued discussion included the questions of urgency and the long period of time this has been pending (June, 1976).

Question called on the amendment to send the report to Academic Affairs. Motion carried. Referred to Academic Affairs Committee.

UNFINISHED BUSINESS - None.

NEW BUSINESS - None.

ADJOURNMENT - It was moved that the meeting be adjourned. Second by Dr. Largent. Meeting adjourned at 4:35.

ARTS AND SCIENCES

George Beelen _____
Frederick Blue _____
Barbara Brothers _____
Dean Brown DB _____
Carl Chuey _____
William Cochran _____
Irwin Cohen IC _____
Paul Dalbec Paul Dalbec _____
Janet Del Bene Janet Del Bene _____
Christine Dykema _____
Gary Fry G.F. _____
George Haushalter _____
James Houck James Houck _____
William Jenkins _____
Jean Kelty Jean Kelty _____
Friedrich Koknat Friedrich Koknat _____
Renee Linkhorn Renee Linkhorn _____
Loretta Liptak L.L. 2/8/78 _____
Donald Milley _____
Brendan Minogue Brendan Minogue _____
James Morrison J.C. Morrison _____
Gratia Murphy _____
Sidney Roberts _____
Lowell Satre Lowell Satre _____
Charles Singler Charles Singler _____
David Stephens David Stephens _____
Elizabeth Sterenberg _____

BUSINESS ADMINISTRATION

Dennis Bensinger Dennis Bensinger _____
A. Ranger Curran _____
E. T. Deiderick E.T.D. _____
~~Malvin Mamula~~ not a member _____
William Flad _____
Donald Hovey _____
Mervin Kohn _____
Donald Mathews D.H.M. _____
Jane Simmons Jane Simmons _____

SCHOOL OF EDUCATION

Margaret Braden M.B. _____
David Cliness David Cliness _____
Robert DiGiulio R.D. _____
Louis Hill L.H. _____
Glorianne Leck G.L. _____
Ronald Richards R.R. _____
Juanita Roderick J.R. _____
Charles Smith C.S. _____

SCHOOL OF ENGINEERING

Donald Arnett Donald Arnett _____
Paul Bellini P.B. _____
Robert Foulkes R.F. _____
John Kearns _____
John Petrek John Petrek _____
John Ritter _____
Samuel Skarote S.S. _____
Leslie Szirmay L.S. _____

FINE AND PERFORMING ARTS

Donald Byo D.W. Byo _____
Ronald Gould _____
Elaine Juhasz Elaine Juhasz _____
Edward Largent E.L. _____
Jon Naberezny _____
Daniel O'Neill _____
David Robinson D.R. _____
Arthur Spiro _____
Louis Zona _____

APPLIED SCIENCE AND TECHNOLOGY

James Conser James Conser _____
Janis Cramer _____
Barbara Erickson Barbara Erickson _____
Kathlynn Feld Kathlynn Feld _____
Bari Lateef B.L. _____
Gary Pilcher _____
Victor Richley V.R. _____
Mary Sebestyen Mary Sebestyen _____
Daniel Suchora Daniel Suchora _____

ADMINISTRATIVE

Taylor Alderman T.A. _____
Earl Edgar E. Edgar _____
Michael Householder _____
Rama Krishnan _____
Charles McBriarty C.M. _____
William McGraw _____
Robert Miller _____
Arnold Moore A.M. _____
Jon Naberezny _____
Nicholas Paraska N.P. _____
Edmund Salata E.S. _____
James Scriven _____
George Sutton _____
Bernard Yozwiak B.Y. _____
Leon Rand L.R. _____

STUDENT MEMBERS

Sam Barbera S. Barbera _____
John Carano J. Carano _____
Jackie Caventer _____
Richard Curry R.C. _____
Barbara Gazdik Barbara Gazdik _____
George Glaros G. Glaros _____
Laura Grohovsky _____
Jeff Gwin _____
Mary Miller _____
Genna Pavel _____
Albert Pesa _____
Linda Schajatovic L.S. _____
Jon Steen _____
Dave Stroud D.S. _____
William Yeaton _____

The Youngstown State University Chapter

PAGE 5

THE OHIO EDUCATION ASSOCIATION

237 LINCOLN AVENUE

YOUNGSTOWN, OHIO 44503

January 6, 1978

Dr. Howard Cox
Chairman
Charter and By-Laws

Dear Dr. Cox:

I have discussed your letter of December 8, 1977 with our Chief Negotiator, Thomas Shipka and he has stated to me that it was not the intent of either the administration or the YSU-OEA to change, restrict or modify current practices and the responsibilities of the Academic Senate and its appointed committees with respect to the development of majors, requirements, courses of study and individual courses.

Sincerely,



Daniel J. O'Neill
President
YSU-OEA

cc: Dr. Cobett
Dr. Deiderick
Dr. Jones
Dr. Khawaja
Dr. Smith

"Advocate of Faculty Rights"





YOUNGSTOWN STATE UNIVERSITY

YOUNGSTOWN, OHIO 44555

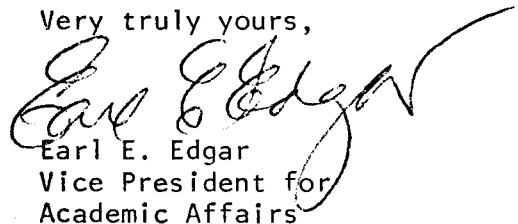
January 24, 1978

Dr. Howard Cox
Department of Marketing
UNIVERSITY

Dear Howard:

In response to your enquiry of December 8, 1977, which you wrote as chairman of the Charter and By-Laws Committee of the Academic Senate, the administration's attitude on the language contained in Article 2(a) of the 1977-81 YSU-OEA Agreement is that there was no intention on our part to change the Charter and By-Laws of the Academic Senate or the modes of operation or scope of authority of the Senate under those documents.

Very truly yours,



Earl E. Edgar
Vice President for
Academic Affairs

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cc: Vice President Alderman

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DEC 02 1977

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

Date 12-2-77

Report Number (For Senate Use Only)

BUSINESS EDUCATION AND TECHNOLOGY

Name of Committee Submitting Report University Curriculum Committee

778-8

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

Appointed chartered

Names of Committee members: Dr. Margaret Braden, John Grim, Dr. William Jenkins, Roger Krause, Dr. Ronald Jonas, Dr. Philip Munro, Dr. David Robinson, Dr. James Steele, Dr. Calvin Swank, Harold Yiannaki

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 cours proposals have been considered by the committee, and have been circulated in the prescribed manner. The UCC recommends that the attached courses be added to the Senate minutes.

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: _____

James W Steele
Chairman (please initial)

Dental Hygiene Technology-Allied Health 601L (Change)

Clinical Dental Hygiene IV. Continued clinical experience. Completion of two plaque control patients in addition to a required number of prophylaxes. Utilization of the ultrasonic scaler. The following tests are included: Blood Pressure, Diabetes. Twelve hours lab per week. Prereq.: DH 503L 4 q.h.

Dental Hygiene Technology-Allied Health 602 (Change)

Dental Hygiene V. Lectures and demonstrations in the principles of four-handed dentistry and dental assisting. One hour lecture. Prereq.: DH 601 1 q.h.

Dental Hygiene Technology-Allied Health 603 (Change)

Dental Hygiene VI. Discussions of modified dental hygiene procedures for physically or mentally handicapped patients. One Hour lecture. Prereq.: DH 602 1 q.h.

Dental Hygiene Technology-Allied Health 611 (Change)

Dental Materials. The source, physical properties, methods of manufacturing, and uses of various dental materials are presented. Two hours lecture per week. Prereq.: Second year standing in DHT program. 2 q.h.

Dental Hygiene Technology-Allied Health 611L (Addition)

Dental Materials Lab. Selected dental materials are manipulated in laboratory procedures so that the student will be able to assist the dentist at the chair, as well as perform certain laboratory procedures and specified clinical duties. Three hours lab per week. Prereq.: Second year standing in DHT program. 1 q.h.

Dental Hygiene Technology-Allied Health 615 (Change)

Dental Health Education. A lecture and laboratory course to introduce educational concepts, objectives, methodology in oral health instructions. It provides the opportunity for the student to act as an educator in a classroom situation and in professional groups by table clinic presentations. Two hours lecture and three hours lab per week. 3 q.h.

Dental Hygiene Technology-Allied Health 620 (Addition)

Periodontics. The clinical features and etiology of periodontal disease will be discussed. Treatment planning and the classification of periodontal disease will be presented. The role of the hygienist in patient education for the prevention of periodontal disease will be emphasized. Three hours lecture. Prereq.: DH 535 3 q.h.

Dental Hygiene Technology-Allied Health 625 (Change)

Community Dentistry. A study of the epidemiology of dental disease. Particular attention is given to means of preventing and controlling dental disease and promoting dental health through organized community efforts. Two hours lecture and three hours lab per week. Prereq.: DH 615. 3 q.h.

Dental Hygiene Technology-Allied Health 640 (Addition)

Dental Specialties. An introduction to the practice, principles and armamentarium in the following dental specialties: anesthesia, endodontics, operative dentistry, oral diagnosis, oral surgery, orthodontics, pedodontics, periodontics and prosthodontics. Dental research and dental assisting to widen the spectrum of the knowledge of the dental hygienist. 3 q.h.

Dental Hygiene Technolgy-Allied Health 602 & 603 (Deletion) 641 (Addition)

Dental Office Management. Business procedure and accounting systems in a dental office are studied. The scope and role of dental hygiene and responsibilities and ethics of the dental hygienist are presented. Legal definitions pertinent to dentistry are discussed. The laws relating to the practice of dentistry and dental hygiene in the State of Ohio are given in detail. Three hours lecture per week. 3 q.h.

Biological Sciences 553 (Deletion)

Animal Life. Phylogenetic and adaptive physiological relationships of animals to their environment. Laboratory will demonstrate function of physiological systems. Three hours lecture and one three-hour lab discussion period per week. Prereq.: Admission to NOUCOM-YSU program. 5 q.h.

Biological Sciences 662 (Deletion)

Plant Life. Structure, reproduction physiology, and phylogenetic relations of plants. Intended for biology majors. Three hours lecture and one three-hour lab-discussion period per week. Prereq.: Biol. 506, 507 and 508. 5 q.h.

Biological Sciences 663 (Deletion)

Animal Structure and Function. Introduction to cellular basis of life and the biology of animals; energy metabolism, ultrastructure and function of cells, concept of tissues and organs, comparative description of anatomical and physiological adaptations of organ systems of animals to their environment. Intended for biology majors. Three hours lecture and one three-hour lab discussion period per week. Prereq.: Biol. 506, 507 and 508. 5 q.h.

Health & Physical Education 721 (Change)

Health Education in the Elementary Grades. Emphasis on organization, methods, and materials for health instruction and the teacher's role in the school health program. Designed for the elementary classroom teacher. Approximately fifteen hours of laboratory and/or field work required. Not open to the Health and Physical Education majors. Prereq.: HPE 590 and junior standing. 3 q.h.

English 510 (Change)

English for Foreign Students. An intensive course in speaking, comprehending, reading, and writing English as a second language, designed for foreitn students whose knowledge of English is not yet adequate for the needs of the college classroom. In addition to six class hours a week, students taking only English must attend the Listening Laboratory, the Reading Laboratory, and the Writing Laboratory--each five hours a week; those with other courses will have their laboratory hours adjusted according to their class load and their level of proficiency. This course, which may be repeated as many times as necessary to achieve a satisfactory level of proficiency, carries no credit toward a degree. Students in this course must also enroll in 511. 6 q.h.

English 510L (Addition)

Individual Instruction in English for Foreign Students. Individualized attention to special problems for non-native speakers of English. Students are divided into two groups by the instructor. Section I concentrates on drills in pronunciation and grammatical constructions; Section II focuses on problems in written composition and vocabulary expansion. This course, which may be repeated as many times as necessary carries no credit toward a degree. 3 q.h.

Physics and Astronomy 750 (Change)

Mathematical Physics. The mathematical techniques required in the study of classical, statistical, and quantum mechanics, and field theory. Prereq.: Physics 611 and Mathematics 705. 3 q.h.

Physics and Astronomy 811 (Deletion) 810 (Change)

Introduction to Quantum Mechanics. The postulates of wave mechanics, the Schroedinger wave equation, and solutions for elementary problems in quantum theory. Prereq.: Physics 702 and 705; Mathematics 706. 4 q.h.

Physics and Astronomy 815 (Change)

Kinetic Theory and Statistical Mechanics. The principles and theorems of thermodynamics which are based upon the statistical treatment of non-observable microscopic quantities, atomic and subatomic particles. Prereq.: Physics 710 and Mathematics 706. 4 q.h.

Physics and Astronomy 820 (Addition)

Advanced Quantum and Quantum Statistical Mechanics. Quantum-mechanical scattering, angular-momentum coupling schemes, hydrogen molecular ion, Thomas-Fermi and Hartree-Fock models; quantum statistics and applications to the theory of metals, superfluidity and superconductivity. Prereq.: Physics 810 and Physics 815. 4 q.h.

Elementary Education Department 888 (Addition)

Topical Seminar in Reading. Survey of trends in reading, contemporary issues, individual and small group study of problems unique to the field of reading. May be repeated for alternate topics to a maximum of 16 quarter hours. Field experience may be involved. Prereq.: Senior Status. (1-4 quarter hours)

Business Education and Technology 520 (Change)

Typewriting I. The basic principles of touch typewriting. (This course is open to all students in the University. However, some majors must add two hours to their program if they take this course.) One hour lecture; three hours laboratory. (F, W, Sp, Su) 2 q.h.

Business Education and Technology 521 (Change)

Typewriting II. Business letters, outlines, manuscript writing, technical papers, and business reports. One hour lecture; three hours laboratory. Prereq.: BE&T 520 or equivalent. (F,W,Sp) 2 q.h.

Business Education and Technology 522 (Change)

Typewriting III. Tables, business forms, and executive communications. One hour lecture; two hours laboratory. Prereq.: BE&T 521 or equivalent. (F,W,Sp) 2 q.h.

Business Education and Technology 615 (Change)

Business Machines III. Dictation, transcription, and automatic typewriters. Advanced reprographics and machine maintenance. One hour lecture; two hours laboratory. Prereq.: BE&T 522. (F,W, Sp) 2 q.h.

Business Education and Technology 620 (Change)

Typewriting IV. Advanced typing in professional offices. One hour lecture; two hours laboratory. Prereq.: BE&T 522 2 q.h.

Business Education and Technology 621 (Change)

Typewriting V. Specialized typewriting in the technical, medical, legal or executive office. Prereq.: BE&T 620 2 q.h.

Health and Physical Education. (Addition)

Childrens Dance. A laboratory class emphasizing appropriate dance and rhythmical activities for the elementary school child. Includes exploratory movement, simple locomotive skills, and rhythmical activities using hand apparatus. 1 q.h.

Health and Physical Education 551 (Addition)

Elementary School Gymnastics. A laboratory class emphasizing gymnastic activities for the elementary school child. Includes exploratory work on mats and apparatus. 1 q.h.

Health and Physical Education 761 (Change)

Elementary Physical Education Foundations. Fundamental skills and analysis correlating the study of basic movement with movement education in relation to children. Lesson planning to develop cognitive, motor, and affective concepts. Approximately 15 hours of field work in area schools required. Prereq.: HPE 550, 551 and 670. 2 q.h.

Sociology/Anthropology 600 (Change)

Principles of Sociology. A continuation of Sociology 500 with greater emphasis on illustrative material and problem areas. Consideration will be given to the major social institutions. Prereq.: Soc./Anth. 500. 4 q.h.

Sociology/Anthropology 620 (Change)

Introduction to Social Work. A general overview of the development, philosophy, and values of the profession of social work from a historical viewpoint with emphasis on current roles, interventions, trends, and issues. Representatives from various social-work settings will serve as guest lectures. Prereq.: Soc./Anth. 500. 4 q.h.

Sociology/ Anthropology 621 (Change)

Human Development and Social Environment. Relationship between present-day American social structure and cultural patterns in the development of personality throughout the life process. Prereq.: Soc./Anth. 602 4 q.h.

Sociology/Anthropology 622 (Change)

Helping Relationships. The basic principles of helping people in human service settings. Preparation of students for helping roles as volunteers, observers, and aides in social work agencies. Knowledge of oneself as an individual and in relation to others. Prereq.: Soc./Anth. 500. 3 q.h.

Sociology/Anthropology 722 (Change)

Social Casework Methods. Analysis of the major social casework processes consisting of study, assessment, and treatment from both theoretical and case-study perspectives. Role-playing and case discussion will be used to develop beginning casework skills. Prereq.: Soc./Anth. 621 or admission to NOUCOM-YSU program. 3 q.h.

Sociology/Anthropology 737 (Addition)

Social Work Interventions with Families. Basic theoretical approaches to social work with family members individually, conjointly, and in family groups, using a case-study approach. Study of social service problems of social adjustment seen within various types of social agencies. Prereq.: Soc./Anth. 722 4 q.h.

Sociology/Anthropology 741 (Change)

Social Movements. An analysis of the role of social movements, intellectual criticism, and socio-economic trends; study of the dynamics of change initiated outside of regular and institutionalized channels, including mobs and crowds. Prereq.: Soc./Anth. 600 4 q.h.

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JAN 24 1978

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

BUSINESS EDUCATION
AND TECHNOLOGY

Date January 24, 1978

Report Number (For Senate Use Only)

778-9

Name of Committee Submitting Report University Curriculum Committee

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

Appointed chartered

Names of Committee members: Dr. Braden, John Grim, Dr. William Jenkins, Roger Krause
Dr. Jonas, Dr. Philip Munro, Dr. David Robinson, Dr. James Steele, Dr. Calvin Swank,
Harold Yiannaki

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, 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: _____

JAS
Chairman (please initial)

Mathematics 743, 841 (Change) Mathematical Statistics I,II

An introduction to the theory of probability and statistics using the concepts and methods of calculus. Topics include discrete and continuous probability models, random variables and their distributions, sampling distributions, estimations, tests of hypotheses and regression. Prereq: Mathematics 673 is required for Mathematics 743 and Mathematics 674 and 743 are required for 841. 4+4 q.h.

Mathematics 580, 581, 681 (Deletion) 580H, 581H, and 681H (Addition)

Biomathematics I,II,III. An integrated course in mathematics and computer science having as a central theme the role of mathematical models in explaining and predicting phenomena in the life sciences. Specific topics include: Computer Programming, differential and difference equations, probability, Markov chains and applications to the biological sciences. Prereq: Admission to NOUCOM-YSU program or equivalent qualifications with consent of teacher and department chairman is required for mathematics 580H. 580H or Computer Science 600 is required for 581H, and 581H is required for 681H. 2+4+4 q.h.

Mathematics 781 (Deletion) 781H (Addition)

Biostatistics. A course in statistics with applications relating to biological sciences. Specific topics include: descriptive statistics, testing hypotheses, analysis of count data, correlation, regression, nonparametric statistics and analysis of variance. Prereq: Mathematics 681H or permission of instructor. 4 q.h.

Mathematics/Computer Science 820 (Change)

Simulation. Methods for modeling discrete-event systems by algorithmic approaches. Prereq: Computer Science 620 and one of Mathematics 714 or 743 or permission of instructor. 4 q.h.

History 771 (Addition)

China in Traditional Times. China's history, arts, philosophy, religion, political and social institutions, and international relations from beginnings to the mid-nineteenth century. Prereq: History 662, Soc-Anth 772 or consent of instructor. 4 q.h.

Political Science and Social Science 720 (Change)

Public Administration. A study of administrative organizations in American federal and state governments, with special attention to their role in the formulation and implementation of public policy as demonstrated in case studies. Prereq: Political Science 601 4 q.h.

Political Science and Social Science 715 (Addition)

Mass Media and Politics. An analytic examination of the impact of the mass media on voting behavior and public opinion. Attention will also be given to the political aspects of reporting the news, campaigning and the media, government regulation of the media. Prereq: Political Science 600 or 601. 4 q.h.

Civil Engineering 581 (Deletion)

Electrical Engineering 581 (Deletion)

Industrial Engineering 581 (Deletion)

Mechanical Engineering 581 (Deletion)

Electrical Engineering 716, 717, 718 (Deletion)

Electrical Engineering 716L, 717L, 718L (Addition)

Laboratory- no description.

Mathematics 542 (Change)

Applied Finite Mathematics. This course is designed for business majors but is open to others. Specific topics include matrix algebra, an introduction to linear programming, probability, and mathematics of finance. Prereq: Two units of high school algebra or Mathematics 502 or 5021 and one unit of high school geometry. 5 q.h.

Mathematics 550 (Change)

Calculus for Social, Managerial, and Life Sciences I. A short course in calculus of algebraic functions of one variable with applications. The course is intended for students in business, those in the social and biological sciences, and others who desire an introduction to the subject. Specific topics include the concepts of limit, derivative, integral, and applications. Prereq: one unit of high school geometry, and either two units of high school algebra or Mathematics 504. 5 q.h.

Mathematics 650 (Addition)

Calculus for Social, Managerial, and Life Sciences II. A continuation of Mathematics 550 with emphasis on logarithmic and exponential functions and their applications, calculus of functions of several variables, and differential and difference equations. Prereq: Mathematics 550. 4 q.h.

Mathematics 705, 706 (Change)

Differential Equations I, II. Introduction to theory and solution of ordinary differential equations with applications; Laplace transform, vector analysis. Prereq: Mathematics 673 for 705 and Mathematics 674 for 706 4 + 4 q.h.

Music 722 (Addition)

Music Education In Early Childhood. Discussion and demonstration of repertoire, materials and techniques for teaching music to pre-school and kindergarten children. 3 q.h.

Music 621 (Change)

Music Literature and Appreciation. Emphasis on the development of listening techniques that can be applied to music of Western and non-Western cultures through the comparison and contrast of music of significant historical periods. For non-music majors. Prereq: Music 521 4 q.h.

Allied Health 680 (Change)

Clinical Procedures. Theory of the purpose, techniques, and recording for laboratory and diagnostic procedures; patient and family teaching will be emphasized. Two hour lecture. Prereq: MA610. 680L must be taken concurrently 3 q.h.

Allied Health 680L (Addition)

Clinical Procedures Laboratory. Practice in performing and recording laboratory tests, assisting the physician with diagnostic tests, and maintaining medical/surgical equipment. Three hours lab must be taken concurrently with 680. 1 q.h.

Emergency Medical Technology-Allied Health 501 (Addition)

Basic Emergency Victim Care. A study of various medical injuries and illness encountered in emergency situations. Must be taken concurrently with EMT 502 and Biology 551. 3 q.h.

Emergency Medical Technology-Allied Health 501L (Addition)

Basic Emergency Victim Care Laboratory. Laboratory experiences are used to teach assessment and treatment techniques. Includes a practicum in a hospital equipped with ambulance service necessary for observation and training. Six hours laboratory. 2 q.h.

Emergency Medical Technology-Allied Health 502 (Addition)

Emergency Medical Technology Orientation. Introduction to the duties, legal and ethical responsibilities, and job opportunities for Emergency Medical Technicians. Emphasis is on the individual's relationship with the patient, community, and co-workers. Must be taken concurrently with EMT 501 and Biology 551. 4 q.h.

Emergency Medical Technology-Allied Health 510 (Addition)

Emergency Medical Conditions I. Continuation of EMT 501. A study of the most common medical emergencies normally encountered including an emphasis on pathophysiology and etiology. Prereq. EMT 501, EMT 502 and Biology 551. Must be taken concurrently with EMT 511 and Biology 552. 3 q.h.

Emergency Medical Technology-Allied Health 511 (Addition)

Emergency Medical Techniques I. A study of techniques necessary to treat emergency conditions introduced in EMT 510. Must be taken concurrently with EMT 510 and Biology 552. 3 q.h.

Emergency Medical Technology-Allied Health 511L (Addition)

Emergency Medical Techniques Laboratory 1. Laboratory includes simulated emergency situations and an actual hospital setting with ambulance service. Three hour laboratory. Four hour clinical. Must be taken concurrently with EMT 511. 2 q.h.

Emergency Medical Technology-Allied Health 512 (Addition)

Rescue Squad Experience. Clinical experience with an approved Rescue Squad under the supervision of trained EMT Personnel. Completion of 10 emergency runs is required. Eight hours clinical per week. Must be taken concurrently with Biology 552. 2 q.h.

Emergency Medical Technology-Allied Health 520 (Addition)

Emergency Medical Condition II. A study of intense emergency coronary and respiratory care including artery disease, myocardial infarction, angina pectoris, congestive heart failure, and pulmonary dysfunction. The course deals with pathophysiology and symptomatology of these conditions. Four hour lecture. Prereq. EMT 510. To be taken concurrently with EMT 521. 4 q.h.

Emergency Medical Technology-Allied Health 521 (Addition)

Emergency Medical Techniques II. A study of techniques required to treat coronary and respiratory conditions. To be taken concurrently with EMT 520. 3 q.h.

Emergency Medical Technology-Allied Health 521L (Addition)

Emergency Medical Techniques Laboratory II. Laboratory includes simulated emergency situations of coronary and respiratory problems and clinical experiences with ambulance service. Three hour laboratory. Four hour clinical. 2 q.h.

- Emergency Medical Technology-Allied Health 522 (Addition)
Rescue and Rappelling. A course covering the principles of extrication and patient handling. 2 q.h.
- Emergency Medical Technology-Allied Health 522L (Addition)
Rescue and Rappelling Laboratory. Laboratory includes experience with light rescue equipment appropriate for a variety of crisis situations. Three hour laboratory. 1 q.h.
- Emergency Medical Technology-Allied Health 523 (Addition)
Communications Systems and Defensive Driving. A study of regulations, limitations and maintenance of communications systems. Also principles of defensive driving, particularly for ambulance operating under emergency conditions, are considered. 2 q.h.
- Emergency Medical Technology-Allied Health 523L (Addition)
Communication Systems and Defensive Driving. Practice in utilization of various communication systems and demonstration of defensive driving techniques in emergency vehicles. Three hour laboratory. 1 q.h.
- Emergency Medical Technology-Allied Health 600 (Addition)
Emergency Vehicle Experience. A practical experience with an emergency vehicle squad to observe and perform emergency duties under supervision. Prereq: EMT 520. Sixteen clinical hours per week; one hour seminar. 4 q.h.
- Emergency Medical Technology-Allied Health 601 (Addition)
Advanced Emergency Conditions I. Course explores the treatment response to severely emergent medical conditions with emphasis on assessment, monitoring and life-supporting procedures. Prereq.: EMT 520. To be taken concurrently with EMT 602. 3 q.h.
- Emergency Medical Technology-Allied Health 602 (Addition)
EMT-P Clinical Experience I. Clinical experiences in hospital facilities, and emergency vehicles emphasizing severely emergent medical conditions. Twelve clinical hours per week. To be taken concurrently with EMT 601. 3 q.h.
- Emergency Medical Technology-Allied Health 610 (Addition)
Advanced Emergency Conditions II. Lecture course exploring the treatment response to severely emergent surgical conditions with emphasis on assessment, monitoring and life-supporting procedures. Prereq.: EMT 611. 3 q.h.
- Emergency Medical Technology-Allied Health 611. (Addition)
EMT-P Clinical Experience II. Clinical experiences in hospital facilities and emergency vehicles emphasizing severely emergent surgical conditions. Twelve clinical hours per week. To be taken concurrently with EMT 610. 3 q.h.
- Emergency Medical Technology-Allied Health 620 (Addition)
Leadership of Paramedical Technology. A practical experience performing clinical and administrative duties under supervision with a rescue squad. One hour seminar; four clinical hours per week. Prereq: EMT 610. 2 q.h.
- Home Economics 873 (Addition)
Nutrition and Aging. Study of the nutrition needs of the adult and the process of aging. Included are the influences of food availability, intake, economics, culture, chronic disease, and physical and social conditions, as they affect the ability of the aged to cope with living situations. Prereq.: Home Economics 551 or permission of instructor.

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FEB 01 1978

BUSINESS EDUCATION
AND TECHNOLOGY

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

Date 2-1-78

Report Number (For Senate Use Only)

778-10

Name of Committee Submitting Report University Curriculum Committee

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

Names of Committee members: Dr. Margaret Braden, John Grim, Dr. William Jenkins, Roger Krause, Dr. Ronald Jonas, Dr. Philip Munro, Dr. David Robinson, Dr. James Steele, Dr. Calvin Swank, Harold Yiannaki

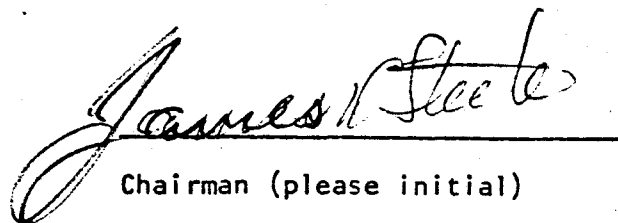
Please write a brief summary of the report which the Committee is submitting to the Senate: (attach complete report) The University Curriculum Committee meets weekly on Wednesdays at 3 p.m. in the Buckeye Room of Kil. Hall. The attached course proposals have been considered by the Committee, and have 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: _____


Chairman (please initial)

Dental Hygiene Technology-Allied Health 602 (Change)

Dental Hygiene V. Lectures and demonstrations in the principles of four-handed dentistry and dental assisting. One hour lecture. Prereq: D.H. 601 1 q.h.

Dental Hygiene Technology-Allied Health 603 (Change)

Dental Hygiene VI. Discussions of modified dental hygiene procedures for physically or mentally handicapped patients. One hour lecture. Prereq: D.H. 602 1 q.h.

Dental Hygiene Technology-Allied Health 602, 603 (Deletion) 641 (Addition)

Dental Management and Jurisprudence. Business procedure and accounting systems in a dental office are studied. The scope and role of dental hygiene and responsibilities and ethics of the dental hygienist are presented. Legal definitions pertinent to dentistry are discussed. The laws relating to the practice of dentistry and dental hygiene in the State of Ohio are given in detail. Three hour lecture per week. 3 q.h.

Sociology/Anthropology 737 (Addition)

Social Work Interventions with Families. Basic theoretical approaches to social work with family members individually, conjointly, and in family groups, using a case-study approach. Study of social service problems of social adjustment seen within various types of social agencies. Prereq: Soc.-Anth. 722. 4 q.h.

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

Date 2-14-78 Report Number (For Senate Use Only) 778-11

Name of Committee Submitting Report University Curriculum Committee

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

Names of Committee members: Dr. Margaret Braden, John Grim, Dr. William Jenkins, Roger Krause, Dr. Ronald Jonas, Dr. Philip Munro, Dr. David Robinson, Dr. James Steele, Dr. Calvin Swank, Harold Yiannaki

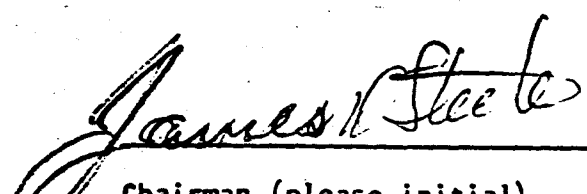
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Do you anticipate making a formal motion relative to the report? No

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Other relevant data: _____


Chairman (please initial)

Economics 824 (Addition)

Applied Time Series Analysis of Economic & Business Data. An in-depth analysis of time series models and their applications to problems in economics and business. Emphasis on forecasting. Extensive use of standard computer programs. Prereq: Econ 621 and 705. 4 q.h. Same as Management 852.

Economics 825 (Addition)

Economic and Business Data Analysis. An introduction to the applications of various data analysis techniques for confirming as well as exploring structural relationships among social and economic variables. Topics include interpretation of multiple regression and analysis of variance discriminant analysis and canonical correlation, principal component analysis, factor analysis and others. The course emphasizes the correct uses of these techniques and the analysis of computer printouts using computer-program packages. Prereq: Econ 621 and 705. 4 q.h. Same as Management 853.

Economics 724 (Addition)

Economics of Public Utilities. An analysis of the economic and legal bases of the public utility concept with emphasis on welfare and resource implications of the rate-making process. The effectiveness of commission control. Problems in electric, natural gas, and telephone utilities, and a survey of river-basin and public power development. Prereq.: **Economics 702 or 708 or 710.** 4 q.h.

Speech Communication & Theatre 525 (Addition)

Speech Communication Skills. Intensive work on fundamental speech communication problems. In consultation with the instructor, students will set individual goals and perform practical exercises designed to help them overcome these problems. Prereq: Permission of the instructor. 2 q.h. Does not count toward a major in Speech Communication. Offered during Spring quarter only.

Speech Communication and Theatre 780 (Change)

Principles and Practices of Radio and Television Announcing. A study of the announcer's role in radio and television stations. Students will examine theories techniques and major styles of broadcast announcing. Three hours lecture, two or more hours of individualized lab experiences per week. Prereq.: 683 4 q.h.

Speech Communication & Theatre 750 (Deletion) 855 (Addition)

Speech Criticism. Approaches to the critical evaluation of significant speeches past and present. Rhetorical, literary, historical, linguistic, and quantitative methods of criticism will be analysed. Prereq.: 550 or 554 or 652, plus 654 or 658 or 755, or permission of the instructor. When 855 is taken on the basis of a completed 654, 658, or 755 prerequisite, completion of 855 shall not preclude credit for either or both of the other prerequisites taken subsequently. 4 q.h.

Speech Communication and Theatre 787 (Change)

Practicum in Telecommunication. Individual study and practical application of radio and television performance and production skills in a broadcast environment. Repeatable for a maximum of eight (8) hours. Prereq.: 683 and acceptance of practicum proposal. 2-4 q.h.

Speech Communication and Theatre 800C (Addition)

Special Methods: Speech Communication. Exploration of the content and methodology involved in the handling of traditional speech subjects. Emphasis on the identification of core concepts, planning, instructional strategies, and evaluation. Prereq.: Senior standing; Education 706. 3 q.h. Same as Secondary Education 800C.

Mathematical and Computer Sciences 760 (Addition)

Software Design Techniques. Structured and modular programming. Advanced programming techniques. Program testing, debugging, and documentation. Linking and sharing of programs and data. Prereq.: CS 620 and CS 700. 4 q.h.

Computer Science 895 (Change)

Special Topics. A study of special topics in computer science. May be repeated up to ten quarter hours. Subject matter, credit hours, and special prereq. will be announced in advance. Prereq.: Permission of instructor. 2-5 q.h.

Economics 512 (Addition)

Growth and Development of the Labor Movement. Socioeconomic, political, cultural, and technological forces creating the Industrial Revolution and the reaction of the wage earner to a hostile world of work characterized by exploitation, sweat shops, and social Darwinism. Emphasis on current interrelations between the public sector, employers, and labor organizations in the United States. Prereq.: None. 4 q.h.

Economics 515 (Addition)

Collective Bargaining as an Industrial Relations System. Examination of collective action mechanisms for defining and defending wage-earner interests in the United States during periods of economic growth. Prereq.: Econ. 512 4 q.h.

Economics 521 (Addition)

Introduction to Labor Law. The constitutional and legislative basis of labor law in the United States. Prereq.: Econ. 512 4 q.h.

Economics 651 (Addition)

Occupational Safety and Health. Study of the development, modification, and enforcement of the Federal General Industry Standards of the Occupational Safety and Health Act of 1970. Prereq.: Econ. 512 4 q.h.

Economics 661 (Addition)

Fair Employment Practices. Elimination of discrimination in obtaining and maintaining employment, in upward job progression, and in obtaining income security. Prereq.: Econ. 512. 4 q.h.

Business Education and Technology 831 (Addition)

Alternate Shorthand Systems. The fundamentals of Century 21, Notehand, and other kinds of shorthand and how they differ from Gregg shorthand. Intended for Business Education majors and graduate students. Prereq.: BE&T 830 3 q.h.

Business Education and Technology 505 (Change)

Transcription Skills. Designed to provide the student with transcription skills and proficiencies necessary for successfully completing the secretarial course of study. Emphasis is on business vocabulary, correct word usage; and letter punctuation techniques. Students taking this course must add four hours to degree requirements. 4 q.h.

Home Economics 610 (Change)

Organization & Management. Concepts of organization and management related to food service. Basic principles in selecting, training and supervising personnel. Three hours of lecture and two hours of laboratory per week. 4 q.h. Prereq.: HE 551

German 790 (Change)

Advanced German Translation. Practice in translating from German to English and English to German through a variety of selected belletristic and non-belletristic writings. Students who have received credit for German 850 may not receive credit for German 790. Prereq.: German 615 or 620. 4 q.h.

Philosophy and Religious Studies 725 (Addition)

Biomedical Ethics. An examination of ethical issues posed by the impact of biomedical research and technology on health care; selected issues in the philosophy of medicine; issues patients' rights, including the right to health care; experiments on human subjects and problems of informed consent; genetic research and intervention; moral issues in death and dying, organ transplants, and the allocation of scarce health resources. Prereq.: Four hours of philosophy or Sociology 745 or Psychology 780 or admission to NOUCOM-YSU program. 4 q.h.

Geology 611 (Addition)

Geology for Engineers. Study of geologic principles, processes, and materials; focus on recognition of geologic factors as they apply to engineering operations and projects. Laboratory includes examination of minerals, rocks, maps, and case histories. Three hours of lecture and three hours of laboratory per week. 4 q.h.

Psychology 734 (Change)

Applied Behavior Analysis. This course extends the results of laboratory findings to human behavior with emphasis on development, maintenance, and extinction of behaviors; institutional, industrial, home and educational settings will be considered. Applicable to the psychology major. Prereq.: Psychology 560 or permission of the instructor.

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

Date 2-20-78

Report Number (For Senate Use Only) 778-16

Name of Committee Submitting Report University Curriculum Committee

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

Names of Committee members: Dr. Margaret Braden, John Grim, Dr. William Jenkins, Roger Krause, Dr. Ronald Jonas, Dr. Philip Munro, Dr. David Robinson, Dr. James Steele, Dr. Calvin Swank, Harold Yiannaki

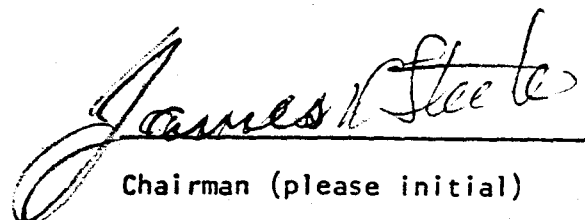
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If there are substantive changes made from the floor in your committee recommendation, would the committee prefer that the matter be sent back to committee for further consideration? Yes

Other relevant data: _____


Chairman (please initial)

Home Economics 762 (Change)

Housing I. Furnishings. Selection and arrangement of home furnishings. Consideration of family needs and resources, aesthetic principles, and the importance of planning in furnishing the home. Three hours lecture and two hours laboratory per week. Prereq.: H.E. 550 4 q.h.

Home Economics 780 (Change)

Consumer Economics. Current consumer issues and sources of information for consumers. Decision making in the use of consumer resources. Prereq.: H.E. 763 or Economics 520. 4 q.h.

Home Economics 853 (Change)

Home Management Laboratory. Application of the principles of management and decision-making in a group or family setting. One 2 hour seminar and a minimum of 6 hours community involvement weekly. Prereq.: H.E. 852. 4 q.h.

Home Economics 672 (Change)

Nutrition and the Preschool Child. Study of the nutritional needs of the developing child in the home and preschool setting. Emphasis on nutrition education for development of desirable food habits. 4 q.h. Prereq.: H.E. 502 or 551.

Home Economics 705 (Deletion)

Child Psychology. Identical with Psychology 755, except for the addition of directed observation. Home Economics 706 taken concurrently.

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

Date March 17, 1978

Report Number (For Senate Use Only) 778-17

Name of Committee Submitting Report University Curriculum Committee

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

Names of Committee members: Dr. Margaret Braden, John Grim, Dr. William Jenkins, Roger Krause, Dr. Ronald Jonas, Dr. Philip Munro, Dr. David Robinson, Dr. James Steele, Dr. Calvin Swank, Harold Yiannaki

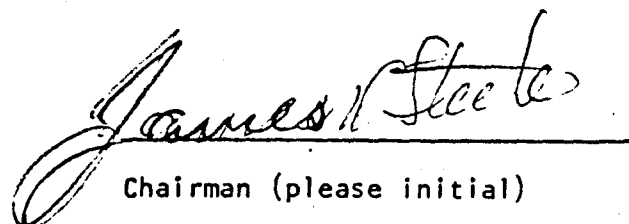
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Other relevant data: _____


Chairman (please initial)

Engineering Technology MET 840 (Addition)

Mechanisms II. A continuation of MET 720 with emphasis on computer aided techniques of analysis and design of mechanisms to perform desired machine motions. Topics considered include elementary complex number methods, atlas techniques, and algebraic design procedures. Prereq.: MET 720, CPT 601. 4 q.h.

Engineering Technology MET 830 (Change)

Advanced Tool Design. Advanced tool design projects including the design of bending, forming and drawing dies, inspection and gaging and associated subsystems and material feed mechanisms. Three hours lecture, three hours laboratory per week. Prereq.: MET 620 4 q.h.

Engineering Technology MET 820 (Change)

Machine Systems. Analysis and design of complex machine systems incorporating electrical, pneumatic, and hydraulic subsystems. Students will work on comprehensive projects. Three hours lecture, three hours laboratory per week. Prereq.: MET 715, MET 720, EET 725. 4 q.h.

Engineering Technology MET 812 (Addition)

Numerical control I. A study of the programming of numerically controlled machine tools. Students will prepare and verify programs for controlling NC machines using computer assisted languages such as COMPACT II. Three hours lecture and three hours laboratory per week. Prereq.: MET 630 or consent of instructor. 4 q.h.

Engineering Technology MET 813 (Addition)

Numerical Control II. A continuation of MET 812 with emphasis on advanced programming methods in numerical control. Compact II or similar such languages will be used.

Allied Health MLT 501L

Introduction to Medical Technology Laboratory. The students will observe demonstrations of instruments and phlebotomy techniques in the hospital and clinical laboratory. Three hours laboratory per week. Must be taken concurrently with MLT 501. 1 q.h.

Allied Health MLT 501 (Addition)

Introduction to Medical Technology. Introduction to the field of Medical Laboratory Science and the purpose of various tests, quality control emphasis, ethics, and responsibilities. Prereq.: Admission to the MLT program. Must be taken concurrently with MLT 501L. 3 q.h.

Allied Health MLT 502 (Addition)

Medical Laboratory Methodology I. Theory and techniques in the skills involving laboratory instruments, the preparations of solutions, and urinalysis procedures. Emphasis on laboratory recordkeeping and safety. Prereq.: Biology 506, 507. To be taken concurrently with MLT 502L. 2 q.h.

Allied Health MLT 502L (Addition)

Methodology Laboratory I. Use of centrifuges, balances, pipets, microscopic examination of urine, (with emphasis on cells and casts) and quantitative and qualitative urine and kidney tests. Three hours laboratory per week. To be taken concurrently with MLT 502. 1 q.h.

Allied Health MLT 601 (Addition)

Medical Laboratory Methodology II. Theoretical and practical knowledge as it applies to chemistry in the medical laboratory with emphasis on quality control and instrumentation. Prereq.: Chemistry 517, MLT 502. Must be taken concurrently with MLT 601L. 2 q.h.

Allied Health MLT 601L (Addition)

Methodology Laboratory II. Test procedures include titrimetric, colorimetric, and spectrophotometric methods for glucose, bilirubin, enzymes, electrolytes, and blood gases. Three hours lecture per week. To be taken concurrently with MLT 601. 1 q.h.

Allied Health MLT 700 (Addition)

Diagnostic Radioimmunoassays. The basic concept of RIA's and its combination with competitive protein binding analysis. Prereq.: Chemistry 517. To be taken concurrently with MLT 700L. 2 q.h.

Allied Health MLT 700L (Addition)

Diagnostic Radioimmunoassays Laboratory. Insulin, thyroid, digoxin, B₁₂, and folic acid test procedures used in the clinical laboratory. Six hours laboratory per week. Must be taken concurrently with MLT 700. 2 q.h.

Allied Health MLT 703 (Addition)

Clinical Immunology. Fundamentals of antigen-antibody reactions applied to serological procedures performed in the clinical laboratory. Same as Biology 703. Prereq.: Biology 702. Must be taken concurrently with MLT 703L. 2 q.h.

Allied Health MLT 703L (Addition)

Clinical Immunology Laboratory. Includes VDRLS, ASO, febrile, latex, pregnancy, and viral tests. Will also include flocculation, precipitation, complete fixation and titration procedures of various diseases. Three hours of laboratory per week. Same as Biology 703L. Must be taken concurrently with MLT 703. 1 q.h.

Allied Health MLT 705 (Addition)

Medical Laboratory Internship. Practical application of skills learned in previous six quarters. Students are assigned to accredited hospital laboratories as trainees. Prereq.: Successful completion of the previous 6 quarters of Medical Laboratory Technology courses. Twenty-one clinical hours per week in accredited hospital laboratory. To be taken concurrently with MLT 706. 3 q.h.

Allied Health MLT 706 (Addition)

Medical Laboratory Seminar. Special problems concerning the internship will be discussed with the Coordinator. To be taken concurrently with MLT 705. 1 q.h.

Allied Health MLT 729 (Addition)

Clinical Hematology. The origin and formation of blood cells, the coagulation mechanism and its factors and blood group systems are discussed. Prereq.: Biology 560, 507, 508. To be taken concurrently with MLT 729L. 2 q.h.

Allied Health MLT 729L (Addition)

Clinical Hematology Laboratory. Includes counting red and white cells, reticulocytes, and eosinophiles; differential morphology, staining qualities, recognition of cells; procedures such as prothrombin time, ptt, coagulation time, blood grouping and compatibility testing. Three hours of laboratory per week. To be taken concurrently with MLT 729. 1 q.h.

Allied Health MLT 788 (Addition)

Diagnostic Microbiology. A clinical approach to the study of bacteria, fungi, and other microorganisms including the identification of organisms encountered in the clinical laboratory. Six hours of laboratory per week. Same as Biology 788. Prereq.: Biology 702. 2 q.h.

Business Education and Technology 630 (Change)

Shorthand II. Beginning transcription and dictation. A dictation speed of 70 words a minute should be attained. Use of shorthand laboratory is required. Prereq. BE&T 521 and 530, or equivalent. 4 q.h.

Business Education and Technology 631 (Change)

Shorthand III. Emphasis on dictation speed and transcription. A dictation speed of 90 words a minute should be attained. Use of shorthand laboratory is required. Prereq.: BE&T 630 or equivalent. 4 q.h.

Business Education and Technology 730 (Change)

Shorthand IV. Emphasis is on dictation speed and transcription and refinement of transcription skills. A speed of 110 words a minute should be attained. Use of shorthand laboratory is required. Prereq.: BE&T 620, 631 or equivalent. 4 q.h.

Business Education and Technology 731 (Change)

Specialized Dictation. Dictation and transcription in specialized fields: law, medicine, etc. Includes machine transcription. Use of shorthand laboratory is required. Prereq.: BE&T 631, 615, and 620: or consent of instructor. 4 q.h.

Home Economics 625 (Addition)

Food and Beverage Service Management. Managerial duties and responsibilities in setting goals; forecasting, controlling quality and costs, and establishing policy in the successful operation of a food and beverage department. 2 q.h.

Home Economics 626 (Addition)

Food Service Supervision. Study of the role of management in food service including employee training, evaluation, affirmative action, and labor management relations. Prereq.: H.E. 611. 3 q.h.

Home Economics 628 (Change)

Practicum in Dietetic Technology. Experience in the supervision of food production and service under the direction of professional personnel. The student will work 21 hours per week at an approved health care facility. Taken concurrently with H.E. 626. Prereq.: H.E. 611 and application filed with the instructor two quarters prior to registration for the course. 3 q.h.

Health and Physical Education 635 (Addition)

Openwater Scuba Diving. A series of classroom lectures and a minimum of four openwater dives to give the student practical experiences in physiological and psychological stress, underwater navigation, effects of hypothermia, decompression, repetitive diving, and rescue techniques. Students completing this course receive basic scuba certification. Five hours of lecture and 10 hours of laboratory quarterly. Prereq.: HPE 632 or equivalent. 1 q.h.

Biological Sciences 822 (Change)

Plant Physiology. Physiochemical nature of life processes of plants. Three hours lecture and four hours laboratory per week. Prereq.: Biol. 506, 507, 508 and Chem. 517 or consent of instructor. 5 q.h.

Biological Sciences 819 (Change)

Taxonomy of Flowering Plants. Phylogenetics, systematics, geographical distribution and evolutionary development of herbaceous plants. Taxonomic systems based on morphology and biochemistry will be discussed. Extensive field collections will be required as part of laboratory exercises. Three hours lecture and four hours laboratory per week. Prereq.: Biol 765. 5 q.h.

Biological Sciences 665 (Change)

Coniferous Dendrology. A study of the important species of Gymnosperms in the United States with emphasis on range, identification, and silvical characteristics. Two hours lecture and four hours laboratory per week. Prereq.: Biol 506 or consent of instructor. 4 q.h.

Biological Sciences 676 (Change)

Silvics. The influence of location factors on forest cover and the effect of forest vegetation on the site. Two hours lecture and four hours laboratory per week. Prereq.: Biology 506 or consent of instructor. 4 q.h.

Biological Sciences 666 (Change)

Hardwood Dendrology. A study of the major types of Angiosperms in the United States with emphasis on range, identification, and silvical characteristics. Two hours lecture and four hours laboratory per week. Prereq.: Biology 506 or consent of instructor 4 q.h.

Physics and Astronomy 501L (Deletion) 502L and 503L (Change)

Fundamental of Physics Laboratory II, III. Experimental work designed to supplement the Fundamentals of Physics sequence. Two hours per week. Prereq. or concurrent: 502 for 502L and 503 for 503L. 1 + 1 q.h.

Chemistry 510 (Addition)

Survey of Chemistry Laboratory I. Designed to accompany Chemistry 501 for those who desire laboratory experience. May be taken in partial fulfillment of the minimum science requirement for the baccalaureate degree. Not intended for chemistry majors. Three hours laboratory and discussions. Prereq. or concurrent: Chemistry 501. 1 q.h.

Biological Sciences 703 (Addition)

Clinical Immunology. The basic fundamentals of antigen-antibody reactions applied to serological procedures performed in the clinical laboratory. Listed also as Medical Laboratory Technology 703. Must be taken concurrently with Biol 703L. Prereq. Biol. 702. 2 q.h.

Biological Sciences 703L (Addition)

Clinical Immunology Laboratory. Laboratory work includes VDRL, ASO, febrile, latex, pregnancy, and viral tests. Techniques practiced will include flocculation, precipitation, complement fixation and titration procedures used in the clinical laboratory. Three hours of laboratory per week. Listed also as Medical Laboratory Technology 703L. Must be taken concurrently with Biol 703. 1 q.h.

Biological Sciences 788 (Addition)

Diagnostic Microbiology. A clinical approach to the study of bacteria, fungi, and other microorganisms including the identification of organisms encountered in the clinical laboratory. Six hours of laboratory per week. Listed also as Medical Laboratory Technology 788. Prereq.: Biol 702. 2 q.h.

Biological Sciences 802 (Deletion)

Ecology. A study of plants and animals in relation to environmental factors affecting their abundance and distribution. Three hours lecture and four hours laboratory per week. Prereq. consent of instructor. 5 q.h.

Biological Sciences 803 (Addition)

Population and Community Ecology. Current concepts of animal population and community ecology including statistical analysis of field-collected data. Students who have had Biol 802 will not receive credit for Biol 803. Three hours lecture and four hours laboratory per week. Prereq. Biol 780 or consent of instructor. 5 q.h.

Biological Sciences 842 (Addition)

Advanced Parasitology. The host-parasite interphase at the evolutionary, ecological, physiological and molecular levels will be considered and a synthesis will be developed of the current concepts of the parasitic niche. Four hours lecture per week. Prereq.: Biol 841. 4 q.h.

Biological Sciences 874 (Deletion)

English 600 (Addition)

Introduction to Literary Study. Introduction to the principles of literary study and to the skills used in reading literature and writing literary analyses; reading and discussion of literary theory. Materials drawn from several historical periods. Prereq.: English 551. 4 q.h.

Journalish (English) 625 (Addition)

Selected Topics in Journalism. Study of unusual approaches to reporting and special kinds of journalistic publications not covered in depth in other journalism courses. Topic to be announced each time course is offered. May be repeated once with change in topic. May not be counted toward the English major. Prereq. English 551. 3-5 q.h.

English/Linguistics 755 (Change)

Principles of Linguistic Study. Survey of elements of linguistic structure, methods of analysis and description, theoretical models, and the role of language in human affairs. Prereq.: English 551 or its equivalent. 4 q.h.

English/Linguistics 757 (Change)

Development of the English Language. Sounds, vocabulary, grammar, and usage--from Old to contemporary English. Prereq.; English 755. 4 q.h.

English/Linguistics 758 (Change)

English Grammar. Descriptions and analyses of English language structure. Prereq.: English 755. 4 q.h.

English/Linguistics 759 (Addition)

Topics in English Linguistics. Such alternative topics--to be announced when offered--as dialects, stylistics, semantics, and graphemics. May be repeated for different topics. Prereq.: English 755. 4 q.h.

English/Linguistics 859 (Deletion)

Selected Topics in Linguistics. Identical with Linguistics 859. Prereq.: English 755 or consent of the instructor. 3-5 q.h.

English 760 (ChangeS)

Shakespeare I. The plays of the first half of Shakespeare's career--e.g., The Merchant of Venice, Richard III, Julius Caesar, and Hamlet. Prereq.: English 600. 4 q.h.

English 761 (Change)

Shakespeare II. The plays of the second half of Shakespeare's career--e.g., All's Well That Ends Well, Othello, Macbeth, Lear. Prereq.: English 600. 4 q.h.

English 762 (Deletion)

Shakespeare III. A study of the development of Shakespeare's dramatic art. English 762: major tragedies (excluding Hamlet) and late romances. 3 q.h.

English 863 (Deletion)

English Drama to 1642. The history of the drama in England from the beginnings to the closing of the theaters in 1642, with emphasis on Elizabethan and Jacobean drama, excluding Shakespeare.

English 700 (Deletion)

Major American Authors. Intensive reading of several American writers. Writers considered vary, but all are announced each time the course is offered. For example, the approach might be through transcendentalism, the democratic tradition, realism, or naturalism. 4 q.h.

English 771 (Addition)

American Romantics. Emphasis on the period before the Civil War. Representative writers such as Edward Taylor, Cooper, Poe, Emerson, Thoreau, Whitman, Hawthorne, and Melville. Prereq.: English 600. 4 q.h.

English 772 (Addition)

American Realists. Emphasis on the period between the Civil War and World War I. Representative writers such as Franklin, DeForest, Twain, Howells, James, Crane, and Dreiser. Prereq.: English 600. 4 q.h.

English 775 (Deletion) 776 (Addition)

Modern American Fiction. Important U.S. novelists and short story writers since 1920 (e.g., Faulkner, Hemingway, Fitzgerald). Prereq. English 600. 4 q.h.

English 820 (Deletion)

Literary Criticism. A survey of the principal works in criticism from antiquity to the present, with special attention to Aristotle's Poetics. Plato, Sidney, Jonson, Dryden, Johnson, the Romantics, Arnold, and Eliot. Prereq.: Two Upper Division courses in English Literature. 4 q.h.

English 865 (Deletion) 866 (Addition)

Modern American and British Drama. Important 20th century playwrights of the United States and the United Kingdom (e.g. O'Neill, Shaw, O'Casey, Beckett). Prereq.: English 600. 4 q.h.

English 881 (Deletion) 885 (Addition)

Sixteenth & Seventeenth Century Poetry & Prose. The English Renaissance to 1660, excluding Milton, with emphasis on Spenser, Jonson, and Donne. Prereq.: English 600. 4 q.h.

English 882 (Deletion)

The Seventeenth Century. Important non-dramatic works in prose and poetry, excluding Milton, with emphasis on Bacon, Donne, Jonson, Browne and Taylor. 4 q.h.

English 883 (Deletion) 783 (Addition)

Milton. A study of Paradise Lost, Paradise Regained, Samson Agonistes, minor poems, and selected prose. Prereq.: English 600. 4 q.h.

English 884 (Deletion) 888 (Addition)

Restoration and Eighteenth Century. Important works in poetry and prose, including the drama but not the novel, from 1660 to the beginning of the Romantic period, with emphasis on Dryden, Congreve, Swift, Johnson, and Burns, Prereq.: English 600. 4 q.h.

English 886 (Deletion)

The Later Eighteenth Century. Important works in poetry and prose, including the drama but not the novel from 1740 to the end of the eighteenth century, with emphasis on Johnson, Sheridan, Cowper, Burns and Blake. 4 q.h.

English 895 (Char

Modern British Fiction. A study of the important writers of fiction from 1900 through WW II: the literary and social trends (e.g. Conrad, Lawrence, Joyce, Woolf, Waugh). Prereq.: English 600. 4 q.h.

Criminal Justice 712 (Change)

Criminal Justice Research. An analysis of the major components of social research such as the selection of research design, sampling, measurement, data collection, analysis and interpretation of findings. Emphasis will be placed on topics related to criminal justice. Junior standing. 4 q.h.

Criminal Justice 703 (Change)

Correctional Case Management. The application of counseling and interviewing techniques and theory to the correctional client. Field and clinical situations are simulated so that the student can gain some experience in interviewing and report writing. Prereq.: Junior standing. 4 q.h.

Criminal Justice 646 (Change)

Law Enforcement Techniques. Legal and practical aspects of lineups and eye-witness identification, techniques, defensive tactics, police communications. Familiarization with firearms and chemical and non-lethal weapons. Prereq.: 601. 4 q.h.

Health and Physical Education 623 (Addition)

Physical Education for the Pre-School Child. Methods, materials, equipment, and class management techniques appropriate for pre-school age children including aquatics, exploratory movement experiences, perceptual-motor screening, rhythmical games, and gymnastic-like experiences. Includes field experiences with pre-school children. 2 hours lecture and 2 hours of lab and/or field experience. 3 q.h.

Health and Physical Education 665 (Addition)

Scientific Principles in Personal Conditioning. A course of instruction and laboratory experience in physical activity, designed to provide an opportunity to personally discover the benefits and scientific reasons for continued participation in fitness-enhancing activities. Detailed discussions related to physical activity. One hour of lecture and two hours of laboratory per week. One hour of credit may be applied toward the three-hour University physical activity requirement. Prereq.: Admission to NOUCOM-YSU program or consent of instructor or department chairman. 2 q.h.

History 762 (Addition)

The Second World War. Strategic, tactical, and diplomatic aspects. All areas will be examined. Non-military aspects of the conflict, such as social, economic, and political developments, will receive some consideration. Prereq.: History 656 or History 606.