

RECEIVED

MAR 22 1978

DR. EARL E. EDGAR
VICE PRESIDENT
FOR ACADEMIC AFFAIRS

- Earl Edgar
- Vice President, Academic

MINUTES
ACADEMIC SENATE
March 3, 1978

7

ATTENDANCE: (See attached attendance roster.) The 1977-78 attendance record is also attached.

The meeting was called to order at 4:05 by Dr. Jean Kelty, chairperson of the Senate.

APPROVAL OF MINUTES OF FEBRUARY 3, 1978 SENATE MEETING

Under the Continuing Education Committee report delete "due to the illness of Dr. Loch, chairman of the committee." In the Curriculum Committee attachments the following should not be appended: Economics 515, 521, 651, 661, 512, and Speech 800C. The following courses should be listed as deletions, not additions: Electrical Engineering 716L, 717L, 718L. Dr. Braden moved the approval of the minutes as corrected. Second by R. Curry. Minutes approved as corrected.

COMMITTEE REPORTS

Charter and ByLaws Committee - No report.

Executive Committee - Dr. Kelty reported. Dr. Carol Gay has been appointed to fill a vacancy on the ICP Committee. Dr. Kelty attended the meeting of the Advisory Committee to the Chancellor in January. The minutes of that meeting will be appended to the minutes of the Executive Committee.

Elections and Balloting Committee - No report.

REPORTS OF OTHER SENATE COMMITTEES

Academic Affairs Committee - Dr. Hill reported.

Motion for approval of catalog change (778-12) Carried

Dr. Hill moved the approval of the change in material, page 45, current catalog. Second by R. Curry. Discussion followed.

Q. Who determines the appropriate chairperson?

A. The appropriate chairperson would be either the chairperson of the department of the student's major or chairperson of the department listing the course. The Dean would determine which chairperson has the final authority.

Motion to refer back to committee Defeated

Dr. Householder moved that the catalog change be referred back to Committee. Second by Dr. Largent. Discussion followed.

Most Deans will ask for the recommendation of the chairman of the department in which the student is majoring and, before waving the prerequisite, the chairman of the department in which the course is being offered is also contacted. The intent of this policy is not to let Deans obviate prerequisites.

Question called on referring back to committee. Motion failed.

Motion to add letter "s" after chairperson Carried

There was a motion to add the letter "s" to chairperson in the catalog material. Second by Dr. Morrison.

Motion to add (major and subject matter) after chairperson
Carried

Dean Sutton moved to add after chairpersons (major and subject matter) in parentheses. Second by J. Carano.

Question called on the amendment to the amendment, (major and subject matter). Amendment passed.

Question called on the amendment to add the letter "s" to chairperson. Amendment passed.

Question called on main motion as amended. Motion carried.

Motion to approve Emergency Medical Technology Program (778-13)
Carried

Dr. Hill moved approval of the program. Second by J. Carano.

Q. Are we approving courses or the program?

A. We are approving the program. Courses have been or will be approved through regular Curriculum Committee procedure.

Q. There appear to be two types of degrees - one, a medical technician degree and the other a four-year medical technology degree. The name given will make it look like a four-year degree.

A. The word technology is used in all two-year programs, both at YSU and every other institution in the state of Ohio. The Board of Regents does not permit the use of the word technician.

Q. Is there a reason for the absence of English 551?

A. From the beginning, two-year programs have not required the English 551 course for the two-year degree. The Advisory Committee thought that a speech course should be used instead of a term paper course.

Comment: The name of the course is misleading.

A. The people in the field are well aware of the terminology and will not be misled.

Question called on the motion. Motion carried.

Motion to approve change in Earth Science Major (778-14) Carried

Dr. Hill moved approval of the revised Earth Science Major. Motion seconded. Discussion followed.

There is an error on page 15 regarding the Math course. It is stated as Probability of Statistics. It should read Probability and Statistics.

Q. Why isn't Chemistry 517 included in the major?

A. The committee wants to permit as much flexibility as possible.

Question called on the motion. Motion carried.

Motion to approve Medical Laboratory Technology Program (778-15) Carried

Dr. Hill moved approval of the Medical Laboratory Technology Program. Second. Question called. Motion carried.

Catalog Deadline

Dr. Kelty announced that the catalog deadline has been pushed ahead two weeks. Those courses that went through Curriculum Committee last Monday will be circulated this week, and if no objections are received, will be appended to the minutes of this meeting. Therefore, these minutes will be circulated after March 17.

UNFINISHED BUSINESS - None.

NEW BUSINESS - Dr. Jenkins stated that in light of Paul Cress' remarks that were unfounded and insensitive to women on campus, he would like to offer a resolution through the Senate—not relating to his dismissal but speaking to the selection of a new director of security.

Motion to approve resolution regarding selection of new security officer Carried

That the University Senate recommend the following to President Coffelt:

- 1) That he consider sensitivity in regard to the issues of rape and female security on campus as a primary qualification in the selection of a new director of campus security.
- 2) That he seek the input of women among faculty, staff and students in the process of hiring a new director of security.

Resolution received a second. Question called. Resolution carried.

ADJOURNMENT - There was a motion to adjourn the meeting. Second. Meeting adjourned at 4:50.

ATTENDANCE
UNIVERSITY SENATE
March 3, 1978

ARTS AND SCIENCES

George Beelen SNB
Frederick Blue FB
Barbara Brothers
Dean Brown DB
Carl Chuey CC
William Cochran WC
Irwin Cohen IC
Paul Dalbec Paul Dalbec
Janet DelBene Janet E. DelBene
Christine Dykema Ch. R. H.
Gary Fry GF
George Haushalter GH
James Houck J. Houck
William Jenkins WJ
Jean Kelty JK
Friedrich Koknat FK
Renee Linkhorn
Loretta Liptak L. L.
Donald Milley DM
Brendan Minogue Brendan Minogue
James Morrison J. M.
Gratia Murphy GM
Sidney Roberts SR
Lowell Satre LS
Charles Singler CS
David Stephens DS
Elizabeth Sterenberg

BUSINESS ADMINISTRATION

Dennis Bensinger DB
A. Ranger Curran ARC
E. T. Deiderick
William Flad
Inez Gross Inez Gross
Donald Hovey DH
Mervin Kohn
Donald Mathews DM
Jane Simmons J. Simmons

SCHOOL OF EDUCATION

Margaret Braden MB
David Cliness
Robert DiGiulio RD
Louis Hill LH
Glorianne Leck GL
Ron Richards
Juanita Roderick JR
Charles Smith

SCHOOL OF ENGINEERING

Donald Arnett
Paul Bellini P. Bellini
Robert Foulkes
John Kearns
John Petrek John Petrek
John Ritter J. Ritter
Samuel Skarove Skarove S.J.
Leslie Szirmai L. Szirmai

FINE AND PERFORMING ARTS

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

APPLIED SCIENCE AND TECHNOLOGY

James Conser James A. Conser
Janis Cramer J. Cramer
Barbara Erickson Barbara Erickson
Kathlynn Feld Kathlynn Feld
Bari Lateef B. Lateef
Gary Pilcher G. Pilcher
Victor Richley V. Richley
Mary Sebestyen Mary Sebestyen
Daniel Suchora Daniel Suchora

ADMINISTRATIVE

Taylor Alderman T. Alderman
Earl Edgar E. Edgar
Michael Householder M. Householder
Rama Krishnan
Charles McBriarty CM
William McGraw
Robert Miller
Arnold Moore A. Moore
Jon Naberezny
Nicholas Paraska N. Paraska
Edmund Salata
James Scriven J. Scriven
George Sutton G. Sutton
Bernard Yozwiak B. Yozwiak
Leon Rand

STUDENT MEMBERS

Sam Barbera Sam Barbera
John Carano John Carano
Jackie Caventer
Richard Curry RC
George Glaros G. Glaros
Laura Grohovsky
Jeff Gwin
Tony Koury
Mary Miller
Genna Pavel
Albert Pesa
Linda Schajatoric
Jon Steen J. Steen
Dave Stroud
William Yeaton

RECORD OF ATTENDANCE
UNIVERSITY SENATE
1977-78
NOVEMBER 4-MARCH 3
TOTAL MEETINGS HELD - 4*

ARTS AND SCIENCES

George Beelen	<u>3</u>
Frederick Blue	<u>2</u>
Barbara Brothers	<u>1</u>
Dean Brown	<u>4</u>
Carl Chuey	<u>3</u>
William Cochran	<u>3</u>
Irwin Cohen	<u>4</u>
Paul Dalbec	<u>4</u>
Janet DelBene	<u>3</u>
Christine Dykema	<u>3</u>
Gary Fry	<u>3</u>
George Haushalter	<u>3</u>
James Houck	<u>4</u>
William Jenkins	<u>3</u>
Jean Kelty	<u>4</u>
Friedrich Koknat	<u>4</u>
Renee Linkhorn	<u>3</u>
Loretta Liptak	<u>4</u>
Donald Milley	<u>2</u>
Brendan Minogue	<u>3</u>
James Morrison	<u>3</u>
Gratia Murphy	<u>3</u>
Sidney Roberts	<u>2</u>
Lowell Satre	<u>3</u>
Charles Singler	<u>4</u>
David Stephens	<u>4</u>
Elizabeth Sterenberg	<u>2</u>

BUSINESS ADMINISTRATION

Dennis Bensinger	<u>2</u>
A. Ranger Curran	<u>1</u>
E. T. Deiderick	<u>2</u>
William Flad	<u>1</u>
Inez Gross	<u>1</u>
Donald Hovey	<u>1</u>
Mervin Kohn	<u>2</u>
Donald Mathews	<u>4</u>
Jane Simmons	<u>4</u>

SCHOOL OF EDUCATION

Margaret Braden	<u>4</u>
David Cliness	<u>3</u>
Robert DiGiulio	<u>4</u>
Louis Hill	<u>4</u>
Glorianne Leck	<u>3</u>
Richard Richards	<u>3</u>
Juanita Roderick	<u>3</u>
Charles Smith	<u>3</u>

SCHOOL OF ENGINEERING

Donald Arnett	<u>3</u>
Paul Bellini	<u>4</u>
Robert Foulkes	<u>3</u>
John Kearns	<u>1</u>
John Petrek	<u>4</u>
John Ritter	<u>3</u>
Samuel Skarote	<u>3</u>
Leslie Szirmay	<u>3</u>

FINE AND PERFORMING ARTS

Donald Byo	<u>2</u>
Ronald Gould	<u>1</u>
Elaine Juhasz	<u>3</u>
Edward Largent	<u>2</u>
Jon Naberezny	<u>1</u>
Daniel O'Neill	<u>2</u>
David Robinson	<u>2</u>
Arthur Spiro	<u>1</u>
Louis Zona	<u>-</u>

APPLIED SCIENCE AND TECHNOLOGY

James Conser	<u>4</u>
Janis Cramer	<u>4</u>
Barbara Erickson	<u>4</u>
Kathlynn Feld	<u>4</u>
Bari Lateef	<u>4</u>
Gary Pilcher	<u>3</u>
Victor Richley	<u>4</u>
Mary Sebestyen	<u>4</u>
Daniel Suchora	<u>4</u>

ADMINISTRATIVE

Taylor Alderman	<u>3</u>
Earl Edgar	<u>4</u>
Michael Householder	<u>3</u>
Rama Krishnan	<u>3</u>
Charles McBriarty	<u>4</u>
William McGraw	<u>2</u>
Robert Miller	<u>3</u>
Arnold Moore	<u>3</u>
Jon Naberezny	<u>1</u>
Nicholas Paraska	<u>3</u>
Edmund Salata	<u>2</u>
James Scriven	<u>4</u>
George Sutton	<u>4</u>
Bernard Yozwiak	<u>3</u>
Leon Rand	<u>2</u>

STUDENT MEMBERS

Sam Barbera	<u>4</u>
John Carano	<u>4</u>
Jackie Caverter	<u>1</u>
Richard Curry	<u>3</u>
George Glaros	<u>2</u>
Laura Grohovsky	<u>-</u>
Jeff Gwin	<u>-</u>
Tony Koury	<u>1</u>
Mary Miller	<u>2</u>
Genna Pavel	<u>-</u>
Albert Pesa	<u>-</u>
Linda Schajatovic	<u>2</u>
Jon Steen	<u>2</u>
Dave Stroud	<u>3</u>
William Yeaton	<u>2</u>

*Figures beside names indicate total number of meetings attended.

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

Date March 13, 1978 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

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~~ ^{Mondays at 1 PM in the Elementary Educ Conference Room} ~~at 3 p.m. in the Buckeye Room of Kil.~~
in the Educ Bldg.

1. 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: _____

James H. Steele
Chairman (please initial)

Guidance and Counseling 761 (Addition)

Human Relations and Guidance Skills for Teachers. Approaches to improving the interpersonal aspects of the learning climate within the classroom. Primary focus is upon facilitating mutual acceptance and understanding among students and teachers, but consideration is given also to amelioration and prevention of behavior problems. 3 q.h. Prereq.: Ed. 705

Music 528 (Deletion) 655 (Addition)

Clarinet Class. A study of the clarinet and saxophone at the beginning level to explore techniques and approaches appropriate to school music instruction. Each class meets 2 hrs. per week, and a minimum level of performance is required. 1 q.h.

Music 730 (Deletion) 755 (Addition)

Flute Class. A study of the flute at the beginning level to explore techniques and approaches appropriate to school music instruction. Each class meets 2 hr. per week, and a minimum level of performance is required. Prereq.; Music 655 1 q.h.

Music 756 (Addition)

Oboe/Bassoon Class. A study of the oboe and bassoon at the beginning level to explore techniques and approaches appropriate to school music instruction. Each class meets 2 hrs. per week and a minimum level of performance is required. Prereq.: Music 655 1 q.h.

Music 550 (Deletion) 656 (Addition)

Trumpet Class. A study of the trumpet at the beginning level to explore techniques and approaches appropriate to school music instruction. Each class meets 2 hrs. per week, and a minimum level of performance is required. 1 q.h.

Music 732 (Deletion) 757 (Addition)

Horn/Baritone/Tuba Class. A study of the horn, baritone, and tuba at the beginning level to explore techniques and approaches appropriate to school music instruction. Each class meets 2 hrs. per week and a minimum level of performance is required. Prereq.: Music 656. 1 q.h.

Music 758 (Addition)

Trombone Class. A study of the trombone at the beginning level to explore techniques and approaches appropriate to school music instruction. Each class meets 2 hrs. per week, and a minimum level of performance is required. Prereq.: Music 656. 1 q.h.

Music 531 (Deletion) 657 (Addition)

Violin/Viola Class. A study of the violin and viola at the beginning level to explore techniques and approaches appropriate to school music instruction. Each class meets 2 hrs. per week, and a minimum level of performance is required. 1 q.h.

Music 530 (Deletion) 759 (Addition)

Cellio/ Bass Class. A study of the cello and bass at the beginning level to explore techniques and approaches appropriate to school music instruction. Each class meets 2 hrs. per week, and a minimum level of performance is required. Prereq.: Music 657 1 q.h.

Music 731 (Deletion) 555 (Addition)

Guitar Class. A study of the guitar at the beginning level to explore techniques and approaches appropriate to school music instruction. Each class meets 2 hrs. per week, and a minimum level of performance is required. 1 q.h.

Music 733 (Deletion) 658 (Addition)

Snare Drum Class. A study of the snare drum at the beginning level to explore techniques and approaches appropriate to school music instruction. Each class meets 2 hrs. per week, and a minimum level of performance is required. 1 q.h.

Music 760 (Addition)

Mallet Percussion Class. A study of the mallet percussion instruments at the beginning level to explore techniques and approaches appropriate to school music instruction. Each class meets 2 hrs. per week, and a minimum level of performance is required. Prereq.: Music 658. 1 q.h.

Music 761 (Addition)

Percussion Accessories Class. A study of percussion accessories at the beginning level to explore techniques and approaches appropriate to school music instruction. Each class meets 2 hrs. per week, and a minimum level of performance is required. Prereq.: Music 658 1 q.h.

Music 540, 541, 542 (Deletion) 659 (Addition)

Voice Class. A study of voice at the beginning level to explore techniques and approaches appropriate to school music instruction. Each class meets 2 hrs. per week, and a minimum level of performance is required. May be repeated. 1 q.h.

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

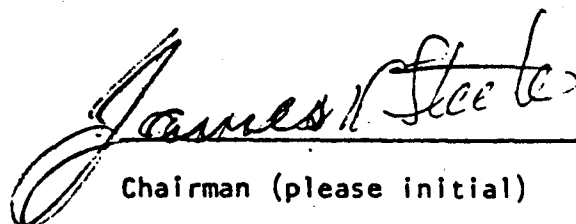
Please write a brief summary of the report which the Committee is submitting to
the Senate: (attach complete report) The University Curriculum Committee
meets weekly on Wednesdays at 3 p.m. in the Buckeye Room of Kil.
Hall. The attached course proposals have been considered by the
Committee, and have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

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 770 (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 (Change)

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.