

TO: Full-Service Faculty, Administrators, and Student Government  
FROM: Caryl P. Freeman, Secretary of Senate  
RE: SENATE MEETING  
Friday, April 4, 1975  
Schwebel Auditorium  
4:00 p.m.

March 21, 1975

#### AGENDA

1. Call to Order
2. Approval of Minutes of previous meeting, March 7, 1975
3. Report of the Charter and Bylaws Committee  
Stephen Hanzely, Chairman
4. Report of the Executive Committee  
Richard Jones, Chairman
5. Reports of other Senate Committees  
Curriculum Committee, Virginia Phillips, Chairman  
Academic Affairs Committee, Henry Sheng, Chairman
6. Unfinished Business
7. New business
8. Adjournment

REPORT OF THE CHARTER AND BYLAWS COMMITTEE

At the April 4, 1975, meeting of the Academic Senate, the Charter and Bylaws Committee will recommend the adoption of the following Bylaw Amendment:

BYLAW 10: Committee Meetings and Minutes

All Senate committees shall meet at least once during every quarter of the academic year, shall record minutes of their meetings, and shall distribute copies of their approved minutes to the Executive Committee, the University Librarian, and to any other persons designated by the Executive Committee.

The Committee will also recommend that present ByLAW 10 be renumbered as BYLAW 11.

Since Bylaw Amendments need only be approved by the Senate, you are encouraged to attend the April meeting of the Academic Senate if you wish to speak to the proposed modification.

REPORT OF THE ACADEMIC AFFAIRS COMMITTEE

The Academic Affairs Committee recommends to the Academic Senate a recently approved Combined Major in Physics and Astronomy as requested by the Department of Physics and Astronomy.

The following table shows the minimum requirement for this program in comparison with two other major and minor programs offered by the same Department.

Major:	Physics	Physics	Physics & Astronomy
Minor:	Mathematics	Astronomy	Mathematics
Physics	68 q.h.	68 q.h.	62 q.h.
Mathematics	26	26	26
Astronomy	Elective	22	25

The justifications for offering this combined major are:

- 1) To attract prospective Astronomy students from the community, many of whom are not aware that YSU offers courses in Astronomy.
- 2) To better prepare students for graduate work in Astronomy.

CURRICULUM CHANGES FOR SENATE CONSIDERATION

(These courses have been circulated according to the procedures outlined in the Constitution & By-Laws--objections were received and a recommendation has been made by the Curriculum Committee to the University Senate)

<u>Department and Catalog Number</u>	<u>Course</u>	<u>Prereq.</u>	<u>Description</u>
Speech & Drama 603 2 cr hrs	Physical Aspects of Speech	none	A fundamental study of the voice mechanism, the physics of sound, and elementary phonetics. Includes a functional familiarization with the International Phonetic Alphabet.

CURRICULUM CHANGES TO BE APPENDED TO SENATE AGENDA  
 (These courses have been circulated according to the procedures outlined in the Constitution and By-laws--no objections were received)

<u>Department and Catalog Number</u>	<u>Course Title</u>	<u>Description</u>
Greek 601 (C)	Intermediate Greek I	Reading in one or more authors, preceded or accompanied by review of elementary Greek <b>if</b> needed.
Greek 602 (c)	Intermediate Greek II	Readings from one or more authors
Greek 603 (C)	Intermediate Greek III	Readings from one or more authors.
Greek 701 (C)	Advanced Readings	Reading in one or more major Greek writers, selected with consideration of the students' interests.
Greek 702 (C)	Advanced Readings	Like Greek 701, either as a continuation of it or as an independent course.
Greek 703 (C)	Advanced Readings	Like Greek 702, either continuing the material of 702, or independent of it.
Greek 704 (C)	Greek Composition	Review of the principles of Greek syntax through their observance in writing Greek. Emphasis on difference between Greek and English in idiom, structure, and style and in the underlying thought or point of view.
Speech & Drama 554 (A)	Speech Communication Skills in the Classroom	A speech fundamentals course adapted to the special needs of teachers. Emphasis on elements of voice quality and production, improving interpersonal communication skills in the classroom, development of group discussion techniques, and skill in the extemporaneous style of classroom presentation.
Speech & Drama 604 (A)	Articulation and Diction	Training in the fundamental physical skills of speech: articulation, breath control, vocal variety, voice quality. Attention is focused upon the specific speech characteristics of the individual student. This course may be repeated once for credit.

**NOTE:** A Addition  
 C Change  
 D Deletion

Speech & Drama 605 (D)	Voice and Diction	A fundamental study of the voice mechanism; breath control, enunciation, articulation, vocal variety.
Speech & Drama 662 (A)	Practicum in Technical Theatre	Practical application of technical theatre skills in University theatre productions through classroom and laboratory participation. May be repeated twice for credit.
Speech & Drama 705 (c)	Speech Problems of Children	A consideration of speech improvement for all pupils and of speech correction for pupils with speech and/or hearing problems on the kindergarten, primary, and intermediate levels. Types of difficulties, techniques, and materials for development and continued use of good voice and acceptable speech. Required of all elementary teachers.
Speech & Drama 751 (c)	Classical Rhetoric	Survey of effective persuasion as taught in the ancient world from pre-Aristotelian Greece to the Rome of St. Augustine. Speech-making practices of present-day America are traced to their ancient sources.
Speech & Drama 852 (C)	Group Communication	A descriptive study of communication variables in the small-group setting, together with a survey of literature dealing with small-group communication.
Speech & Drama 861 (D)	History of the Theatre	A history of the physical theatre and the written drama from antiquity to the present. Emphasis on theatre architecture and stagecraft, including scenery, costumes and lighting.
Speech & Drama 891 (A)	History of the Theatre I	A history of the physical theatre and the written drama from antiquity through the Renaissance. Emphasis on theatre architecture and stagecraft, including scenery, costumes and lighting.
Speech & Drama 892 (A)	History of the Theatre II	A history of the physical theatre and the written drama from the post-Renaissance period to the present. Emphasis on theatre architecture and stagecraft, including scenery, costumes and lighting.

Chemistry 699 (A)	Medical Applications Seminar	Applications of biological and chemical concepts in the practice of medicine. May be repeated to a total of three hours credit.
Chemistry 722 (C)	Organic Chemistry IV	Additional laboratory preparations and techniques. This course is required for all candidates for the B.S. degree with a major in chemistry. One hour of lecture and three hours of laboratory.
Chemistry 739,40,41 (C)	Physical Chemistry I, II, III	Principles and applications of physical chemistry. Three hours of lecture and a three-hour laboratory.
Chemistry 801 (C)	Elements of Physical Chemistry	An introduction to thermodynamics, chemical structure, reaction rates, and other physical properties of chemical systems. Applications in biology and health-related fields are emphasized. Four hours of lecture.
Chemistry 805 (C)	Applied Spectroscopy	A study of infrared, ultraviolet, nuclear magnetic resonance, electron spin resonance, mass spectrometry, and other methods of current interest as applied to chemical systems. Three hours of lecture.
Chemistry 821 (C)	Intermediate Organic Chemistry	An introduction to advanced study in organic reactions and theories. Three hours of lecture.
Chemistry 822 (C)	Organic Analysis	Qualitative and functional group analysis of organic compounds. Laboratory exercises and discussion of underlying principles. One hour of lecture and six hours of laboratory with discussion.
Chemistry 823 (C)	Organic Synthesis	Preparations of organic compounds and applicable instrumental techniques. One hour of lecture and six hours of laboratory with discussion.
Chemistry 841,42,43 (C)	Principles of Biochemistry I, II, III	The study of chemical structures, functions and transformations which occur within living cells. Topics include the chemistry and metabolism of carbohydrates, lipids, proteins, nucleic acids, enzymes, hormones, biochemical genetics, and metabolic control mechanisms.

Biology 834 (C)	Vetebrate Physiology I	Study of structure and function at the cellular and subcellular level of nervous, muscular, and endocrine systems. Three hours of lecture and two hours of laboratory per week.
Biology 835 (c)	Vetebrate Physiology II	Physiology of circulatory, respiratory, digestive and excretory systems. Three hours of lectures and two hours of laboratory per week.
Biology 836 (c)	Molecular-Cellular II	Physical limits, relationship of cell morphology to function, cell organization and structure, the physiochemical environment, bioenergetics, metabolism and membrane transport systems. Two hours of lecture and four hours of laboratory per week.
Chemistry 591,92 (C)	Principles of Chemistry I,II	Fundamental principles of chemistry and introduction to inorganic chemistry, Three hours of lecture.
Chemistry 593,94 (C)	Principles of Chemistry Laboratory I,II	Introduction to laboratory techniques, including inorganic chemistry and qualitative and quantitative analysis. Three hours of laboratory including discussion.
Chemistry 603,04 (C)	Quantitative Analysis I,II	A study of chemical equilibrium, stoichiometry, theory of errors, volumetric and gravimetric procedures as applied to quantitative determinations. Electroanalytical and colorimetric methods are introduced. The development of technique is emphasized in the laboratory, three hours of lecture and six hours of laboratory each week.
Chemistry 691 (A)	Introduction to Physical Chemistry	Elements of thermodynamics, equilibria, states of matter, kinetics, and spectroscopy. Three hours of lecture.
Chemistry 692 (A)	Instrumental Techniques	The application of instrumentation in the study of chemical systems, including spectrometric, electrometric, chromatographic, and thermometric methods. Six hours of laboratory including discussion.

<u>Department and Catalog Number</u>	<u>Course Title</u>	<u>Description</u>
History 704 (C)	The Age of Jefferson and Jackson	An intensive study of the Age of Jefferson and Jackson covering the period 1789 to 1840.
History 706 (C)	America Before the Civil War, 1840-1860	An intensive study of the deepening sectionalism of the country culminating in the outbreak of the Civil War.
History 794 (A)	History of Leisure in Modern England	A study of the growth of leisure activities in England from the 18th century to the present, with emphasis on the transition from rural to urban-centered activities, the impact of technology, and the emergence of mass spectator sports.
History 811 (C)	Mexico and the Caribbean	Emphasis is upon Mexico, Colombia, Venezuela and the Central American republics. Special consideration is given to 20th century Mexico.
History 812 (C)	History of South America	The Spanish American republics and Brazil are considered.
Economics 622H (C)	Principles of Economics 3 Honors	An honors course in Principles 3 emphasizing additional reading and independent research on economic problems.
Economics 622 (C)	Principles of Economics 3	Economic problems in labor, agriculture, competition and monopoly, social welfare, urban environment, growth international trade and finance, under-developed countries, poverty and comparative economic systems.
Physics and Astronomy 805 (A)	Research in Astronomy	Individual investigation performed with faculty guidance.
Math 760 (C)	Numerical Analysis	The theory and techniques of numerical computation. The solution of an equation or a system of equations, the methods of finite differences, interpolation methods, numerical differentiation and integration, least squares techniques.
Eng. Tech 610 (c)	Mechanical Equipment	The study of common mechanical equipment such as heat exchangers, refrigerators, pumps, and internal combustion engines.



Psychology 780 (A) Psychological Aspects of Disease and Death	A survey of the primary factors affecting an individual's attitudes toward illness, bereavement, and mortality, an examination of appropriate counseling methods and of the psychological adjustments necessitated by physical illness or bereavement. Applicable to the psychology major.
Soc & An 719 (A) Health Care Systems	A sociological analysis of the role of the physician, the nurse, the social worker, and para-medical personnel in a variety of settings including private practice, the hospital and public agencies. Some attention to federal programs as related to local systems. Lectures and field work.
Biology 599 (A) Orientation to Medicine	An introduction to the philosophy of medicine through examination of ideas from the ancients to the modern. The Hippocratic Ideal, the Oath of Maimonides, the meaning of knowledge, humanism in medicine, independent thought in medicine, and the teaching of the uncertainty factor.
Biology 663 (A) 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. Students who have received credit for Biol. 553 may not receive credit for Biol. 663. Three hours of lecture and one three-hour lab discussion period per week.
Biology 699 (A) Medical Applications Seminar	Applications of biological and chemical concepts in the practice of medicine. May be repeated up to three credit hours.
Biology 721 (C) Genetics	Genetic material, reproductive cycles, sex determination, mitosis, meiosis, Mendelism probability, linkage, genes in populations, mutation, evolution. Four hours of lecture per week.
Biology 808 (C) Embryology	Identification of mechanisms; analysis of control of developmental events and processes. Interaction of egg and sperm, penetration and activation of the egg, theories of induction, models of tissue interaction, gene action and the fate of informational molecules during development. Two hours of lecture and four hours of laboratory per week.



**YOUNGSTOWN STATE UNIVERSITY**  
**YOUNGSTOWN, OHIO 44666**

March 13, 1975

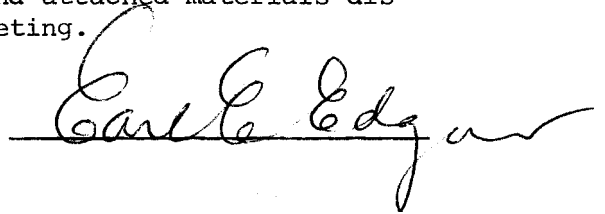
MEMORANDUM

To: Senate-Administrative Liaison Committee

From: Dr. Earl E. Edgar  
Vice President for Academic Affairs

According to your schedules, the Committee can meet at  
4:00 p.m. Monday, March 17.

We should discuss the actions taken at the last Senate  
meeting, so please bring agenda and attached materials dis-  
tributed and discussed at that meeting.

  
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## INTER-OFFICE CORRESPONDENCE

TO President John CoffeltDATE 3-11-75FROM University Health and Safety Committee (1973-74)SUBJECT Past and Present Health and Safety Hazards

Dear President Coffelt:

Last year's University Health and Safety Committee met (unofficially) on February 24, 1975, Kilcawley #220 from 2:00 - 3:00 pm. to try to fathom an appropriate line of action to take regarding: previously unresolved problems, current health and safety problems, and the direction of this committee.

## Previously Unresolved Problems:

Wick stairs (see enclosed photos) - additional handrails are needed - note the sharp drop-offs on either side of the stairs

Benches for Beeghly - students are sitting on the stairs and floors - R. Orlando suggested that the old shower benches be repainted and used

## Annual Report:

No response has been received regarding many pertinent points, e.g. an extensive survey had indicated the need for a campus-involved health clinic, the need for emergency information being posted on all campus building directories, and the Status of the Occupational Safety and Health Act, Federal Program, etc.

## Current Health and Safety Problems:

New Accident Report Form (see enclosed form) - R. Aey proposed this form for the committee's consideration. The form would include a follow-up report along with appropriate photographs. It conforms with the Ohio rules and regulations, The committee suggested a two week period for appropriate comments. After this duration, the form would be actuated.

Dr. Dobbstein, Acting Chairman, Chemistry, on January 28, 1975 requested the installation of safety showers and an eye wash system in Ward Beecher (rooms 310 and 316). Problems of drainage and electrical lay-outs were considered - no action, other than investigation, was taken.

Kilcawley Dormitory - Bottles, hangers, etc. are being thrown out of the "dorm" windows onto workers and other persons. It was suggested that a memo be sent to Dr. Bertelson regarding this matter (see enclosed memo).

Bryson Street Wash-outs - Hazardous walking conditions have resulted from wash-outs along the curbs at Bryson and Spring Streets. R. Orlando suggested that slag temporarily be used since the landscaping bid for this campus area was due by the end of March.

Inaccessible Loading Dock for Kilcawley - Steps are needed to reach the dock.  
Presently, the dock is being reached by climbing up milk bottle carrying cases.

School of Education "Temporary" Office Complex - Washrooms, water and adequate passage ways to exits in case of emergencies are especially needed. The south side of the office area is so overly crowded that it would be nigh impossible to get to any exit or washroom. One women's and one men's washroom services the School of Education, University Relations and the Bookstore Staff. Besides, there's no water except in the washrooms.

Pollock Annex # 8 - No washroom or drinking facilities - Many emergencies have arisen during this academic year. Since this building is being used extensively, accommodations need to be afforded. If this is impossible, classes should not be scheduled there.

Area Between Jones and Ward Beecher - Presently chains are being used but in icy weather these are inadequate. Hand rails are needed. R. Orlando mentioned that this hazardous situation may be corrected upon the completion of the library and the appropriate landscaping that will follow its completion.

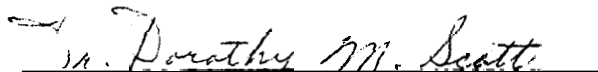
Direction of This Committee:

Unless directed differently, after this meeting, this committee has agreed to cease to function.

As past chairman of this committee, the members of the committee are to be highly commended for service "over and beyond the call of duty." They've been active in perceiving health and/ or safety problems and also in attempting to resolve these hazardous conditions so as to make Y.S.U. a safe and healthy complex, It's been a real pleasure and experience to work with these members.

One more thing, what should be done with the committee's past correspondence, reports, etc.?

Sincerely,

  
Dorothy M. Scott, Ph.D.

Chairman, University Health and Safety Committee

cc: Secretary of the Senate Executive Committee  
Mrs. Schnattgen, Library  
Rose Fedyna  
Cynthia Loehr  
Howard Mettee  
Ronald Aey  
Phil Hirsch

Mary Murphy  
Ray Orlando  
Anne Scheetz  
Sam Skarote  
Harry Dampf  
Edward Mooney, .  
File



**YOUNGSTOWN STATE UNIVERSITY**  
**YOUNGSTOWN, OHIO 44603**

March 17, 1975

To: Members of the Academic Senate and Faculty  
From: Stephen Hanzely, Chairman  
Charter and Bylaws Committee  
Subject: Proposed amendment to the BYLAWS.

At the April 4, 1975 meeting of the Academic Senate, the Charter and Bylaws Committee will recommend the adoption of the following Bylaw Amendment:

**BYLAW 10**            **Committee Meetings and Minutes.**

**All** Senate committees shall meet at least once during every quarter of the academic year, shall record minutes of their meetings, and shall distribute copies of their approved minutes to the Executive Committee, the University Librarian, and to any other persons designated by the Executive Committee.

The Committee will also recommend that present **BYLAW 10** be re-numbered as **BYLAW 11**.

Since Bylaw **A** Amendments need only be approved by the Senate, you are encouraged to attend the April meeting of the Academic Senate if you wish to speak to the proposed modification.

INTER-OFFICE CORRESPONDENCE

TO Academic Senate, c/o Dr. Caryl P. Freeman, Secretary

DATE March 17, 1975

FROM Dr. Henry P. Sheng, Chairman  
Academic Affairs Committee

SUBJECT Report from Academic Affairs Committee

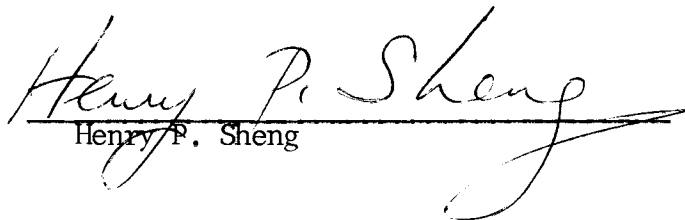
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Mathematics	26	26	26
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The justifications for offering this combined major are:

- 1) To attract prospective Astronomy students from the community, many of whom are not aware that YSU offers courses in Astronomy.
- 2) To better prepare students for graduate work in Astronomy.

  
Henry P. Sheng

HPS/dc

CURRICULUM CHANGES FOR SENATE CONSIDERATION

(These courses have been circulated according to the procedures outlined in the Constitution & By-laws--objections were received and a recommendation has been made by the Curriculum Committee to the University Senate)

<u>Department and Catalog Number</u>	<u>Course</u>	<u>Description</u>
BESS 530 (recommended for approval)	Shorthand I	The fundamental principles of the Gregg system of shorthand are presented.
BESS 532 (recommended for approval)	Machine Shorthand	The fundamental principles of the system of shorthand used by court reporters. Includes theory and practice on the machine.
Engineering Tech. 602 (recommended for approval)	Scientific Programming II	A continuation of CPT 601 stressing the application of FORTRAN to problems in science, engineering, and business. Fundamental numerical techniques applied to problem solving.
Mathematics 685 (recommended for approval)	Applied Matrix Algebra	Properties of matrices and their application, eigenvalue problems, Markov chains and elementary linear programming. Not open for credit to students who have completed Math. 725.
Mathematics 815 (recommended for approval)	Applied Statistics	A course in application of correlation, regression, analysis of variance and related topics. Does not count toward the mathematics major.