

KELTY, JEAN

ENGLISH

MINUTES
ACADEMIC SENATE
March 4, 1977

Duplicate

Attendance : (See attached sheet)

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

Minutes of January 7, January 21, and February 4, 1977 Senate Meetings

The minutes of the January 7, January 21, and February 4 meetings were approved as distributed.

COMMITTEE REPORTS

Charter and ByLaws Committee - Dr. Hahn reported.

Article VI, Section 1 (b). Dr. Hahn moved to add:

"The Secretary shall be assisted by two tellers who are members of the Academic Senate and the results shall be announced at the next Senate Meeting."

This addition is to be added after the last sentence in Article VI, Section 1 (b). Second by Dr. Satre. Question called. Motion carried.

ByLaw 5, Section 1 addition. Dr. Hahn moved the addition of:

"The Chairman shall maintain a current copy of the Charter and ByLaws of the Academic Senate."

Second by Dr. Brothers. Discussion followed. The chairman is the proper party to keep a current record of the Charter and ByLaws because questions are addressed to the chairman, and the chairman appoints the secretary. Question called. Motion carried.

Executive Committee - Dr. Ameduri reported.

1) Faculty membership on the Ad Hoc Student Grievance Committee:

Ms. Gloria Atkins - College of Applied Science and Technology
Ms. Ivis Boyer - College of Arts and Sciences
Dr. Robert DiGiulio - School of Education
Dr. John Kearns - School of Engineering
Dr. David Robinson - School of Fine and Performing Arts
Mr. Robert Wolanin - School of Business Administration

2) Faculty membership on the Ad Hoc Honors Committee:

Dr. Joseph Altinger - Mathematics Department
Mr. Les Bartholow - Home Economics
Dr. John Cernica - Civil Engineering
Dr. Robert Hopkins - Music
Dr. Sidney Roberts - History
Dr. Steven Sniderman - English

3) Ms. Lori Cocucci (School of Education) has been appointed to the Individualized Curriculum Committee - as a student representative.

4) Dr. Louis Hill (School of Education) has been appointed to the Academic Affairs Committee, replacing Dr. Peter Baldino who has resigned from the committee.

5) Vice President Edgar has announced that Dr. George Drew, Assistant Dean of the School of Education, will be the administrative member of the Ad Hoc Student Grievance Committee.

6) Dr. Ronald Richards (School of Education) has filled the vacancy of Senator-at-large (Dr. Baldino resigned) from the School of Education.

7) President Coffelt has requested the Senate Executive Committee to recommend to him the names of three faculty members to serve on the Joint Committee to study the question of calendar change.

8) A report was made on the Advisory Committee to the Chancellor of the Ohio Board of Regents, February 23, 1977 meeting. Information was reported on Higher Education in Ohio - Master Plan: 1976; Chapter VIII, the Future of Graduate Education Research, and the Budget.

Elections and Balloting Committee - No report.

Academic Affairs Committee - Dr. Khawaja reported. He requested approval of the Academic Affairs Committee presentation of the A.A.B. degree in Court/Conference Reporting. He moved that the program be approved as proposed. Second by Dr. Hill.

Q: What happens to the student who almost but not quite makes the grade point average? A: They will qualify for an A.A.B. degree in Secretarial Studies.

Q: Do secretarial students take Physical Education activity courses? A: No.

Question called. Motion carried.

Unfinished Business - None.

New Business - None.

Adjournment - Dr. Krishnan moved to adjourn. Second by Dr. O'Neill. Meeting adjourned at 4:25.

Respectfully submitted,

Virginia Phillips,
Senate Secretary

ATTENDANCE
UNIVERSITY SENATE
MARCH 4, 1977

ARTS AND SCIENCES

George Beelen	<input checked="" type="checkbox"/>
Frederick Blue	<input checked="" type="checkbox"/>
Barbara Brothers	<input checked="" type="checkbox"/>
William Cochran	<input checked="" type="checkbox"/>
Irwin Cohen	<input checked="" type="checkbox"/>
Janet Del Bene	<input checked="" type="checkbox"/>
Thomas Dobblestein	<input checked="" type="checkbox"/>
Christine Dykema	<input checked="" type="checkbox"/>
Earl Eminhizer	<input checked="" type="checkbox"/>
Larry Esterly	<input checked="" type="checkbox"/>
Philip Hahn	<input checked="" type="checkbox"/>
Stephen Hanzely	<input checked="" type="checkbox"/>
Earl Harris	<input type="checkbox"/>
Raymond Hurd	<input type="checkbox"/>
Jean Kelty	<input checked="" type="checkbox"/>
Richard Kreutzer	<input checked="" type="checkbox"/>
George Letchworth	<input checked="" type="checkbox"/>
Renee Linkhorn	<input checked="" type="checkbox"/>
Loretta Liptak	<input checked="" type="checkbox"/>
Albert Matzyc	<input checked="" type="checkbox"/>
Donald Milley	<input checked="" type="checkbox"/>
James Morrison	<input checked="" type="checkbox"/>
Sidney Roberts	<input checked="" type="checkbox"/>
Lowell Satre	<input checked="" type="checkbox"/>
Agnes Smith	<input checked="" type="checkbox"/>
Steven Sniderman	<input checked="" type="checkbox"/>
John White	<input type="checkbox"/>
Luke Zaccaro	<input type="checkbox"/>

SCHOOL OF ENGINEERING

Jack Bakos	<input checked="" type="checkbox"/>
Robert Foulkes	<input checked="" type="checkbox"/>
John Kearns	<input checked="" type="checkbox"/>
Charles Lovas	<input type="checkbox"/>
Matthew Siman	<input checked="" type="checkbox"/>
Samuel Skarote	<input checked="" type="checkbox"/>
T. K. Slawecki	<input checked="" type="checkbox"/>

STUDENT MEMBERS

Gail Brooks	<input type="checkbox"/>
William Brown	<input type="checkbox"/>
Lisa Cohn	<input type="checkbox"/>
Toni DiSalvo	<input type="checkbox"/>
Raymond Ervin	<input type="checkbox"/>
George Glaros	<input type="checkbox"/>
Robert Gwin	<input type="checkbox"/>
Linda Hayes	<input type="checkbox"/>
Lynn Johnson	<input type="checkbox"/>
Cynthia Jukich	<input type="checkbox"/>
Jennifer Morris	<input type="checkbox"/>
Michelle Murphy	<input type="checkbox"/>
Thomas Pedrick	<input checked="" type="checkbox"/>
Bill Yeaton	<input type="checkbox"/>

FINE AND PERFORMING ARTS

Donald Byo	<input type="checkbox"/>
Frank Castronovo	<input checked="" type="checkbox"/>
Ronald Gould	<input checked="" type="checkbox"/>
Lois Hopkins	<input checked="" type="checkbox"/>
Elaine Juhasz	<input checked="" type="checkbox"/>
Edward Largent	<input type="checkbox"/>
Daniel O'Neill	<input checked="" type="checkbox"/>
Arthur Spiro	<input checked="" type="checkbox"/>
Louis Zona	<input type="checkbox"/>

APPLIED SCIENCE AND TECHNOLOGY

William Barsch	<input checked="" type="checkbox"/>
James Conser	<input checked="" type="checkbox"/>
Janis Cramer	<input type="checkbox"/>
Kathlynn Feld	<input checked="" type="checkbox"/>
Marie Gubser	<input type="checkbox"/>
Margaret Horvath	<input checked="" type="checkbox"/>
Helen Jeffrey	<input checked="" type="checkbox"/>
Bari Lateef	<input checked="" type="checkbox"/>
Daniel Suchora	<input checked="" type="checkbox"/>
Gloria Owens	<input type="checkbox"/>

BUSINESS ADMINISTRATION

Dennis Bensinger	<input checked="" type="checkbox"/>
Ralph Burkholder	<input checked="" type="checkbox"/>
Howard Cox	<input checked="" type="checkbox"/>
A. Ranger Curran	<input type="checkbox"/>
E. Terry Deiderick	<input type="checkbox"/>
Frank Evans	<input type="checkbox"/>
Donald Hovey	<input type="checkbox"/>
Mervin Kohn	<input checked="" type="checkbox"/>
Melvin Mamula	<input type="checkbox"/>

ADMINISTRATIVE

Taylor Alderman	<input type="checkbox"/>
Earl Edgar	<input checked="" type="checkbox"/>
Michael Householder	<input checked="" type="checkbox"/>
Karl Krill	<input type="checkbox"/>
Rama Krishnan	<input checked="" type="checkbox"/>
Charles McBriarty	<input checked="" type="checkbox"/>
William McGraw	<input type="checkbox"/>
Robert Miller	<input checked="" type="checkbox"/>
Arnold Moore	<input type="checkbox"/>
John Naberezny	<input checked="" type="checkbox"/>
Nicholas Paraska	<input checked="" type="checkbox"/>
Leon Rand	<input type="checkbox"/>
James Scriven	<input type="checkbox"/>
George Sutton	<input checked="" type="checkbox"/>
Bernard Yozwiak	<input checked="" type="checkbox"/>

SCHOOL OF EDUCATION

Raymond Richman
~~Peter Baldino~~

Margaret Braden	<input checked="" type="checkbox"/>
David Cliness	<input checked="" type="checkbox"/>
Robert DiGiulio	<input checked="" type="checkbox"/>
Louis Hill	<input checked="" type="checkbox"/>
Joseph Kirschner	<input checked="" type="checkbox"/>
George Schoenhard	<input checked="" type="checkbox"/>
Charles Smith	<input type="checkbox"/>

CURRICULUM CHANGES TO BE APPENDED TO SENATE MINUTES

The following course change proposals have been circulated in accordance with Bylaw 6 Section 2(e) of the Bylaws of the Academic Senate. No objections were received. The proposals are therefore incorporated into the Registrar's Inventory of Courses, and into the Catalog.

Key: (A) = Addition
 (C) = Change to existing course
 (CP) = Change of Prerequisites only
 (D) = Deletion of course from catalog

<u>Department & Catalog No.</u>	<u>Title</u>	<u>Description</u>
Home Econ. 751 (A)	<u>Advanced Food Preparation</u>	Advanced study of the inter-relationship of principles used in food preparation in homes and institutions. Prereq: 750 or 763 4 q.h.
Elec. Engr. 703R (D)	<u>Control Analysis I</u>	Continuous-time systems, discrete-time systems, state variables, classical and state variable compensation. 3 hrs. lecture and 3 hrs. laboratory. Prereq.: EE 702R 4 q.h.
Elec. Engr. 703 (A)	<u>Control Systems Analysis</u>	Analysis of continuous-time systems using transfer-function and state-variable methods. Introduction to discrete-time systems. Compensation of continuous-time systems. Prereq.: EE 603 3 q.h.
Elec. Engr. 703L (C)	<u>Control Systems Laboratory</u>	Laboratory experiments and exercises designed to accompany EE 703. Must be taken concurrently with EE 703. Prereq.: EE 613 1 q.h.
Elec. Engr. 704R (D)	<u>Field Theory I</u>	The application of vector relations, static electric fields, dielectric materials, boundary conditions, field mapping, steady electric currents, and their magnetic fields, and the motion of charged particles to electrical problems. Three hours lecture and three hours laboratory. Prereq.: Math. 705 4 q.h.

Elec. Engr. 705R (D)	<u>Field Theory II</u>	The application of ferromagnetics, time changing electric and magnetic fields. Maxwell's equation, relations between field and circuit theory, plane waves, poynting vector energy relations, and boundary conditions to electrical problems. Three hours lecture and three hours laboratory. Prereq.: EE 704R 4 q.h.
Elec. Engr. 706R (D)	<u>Transmission and Propagation</u>	The application of transmission theory, infinite line, terminated line, impedance transformation, waveguide, simple antenna systems, group and phase velocity, impedance of waveguide to electrical problems. Three hours lecture and three hours laboratory. Prereq.: EE 705R 4 q.h.
Elec. Engr. 704, 705, 706 (A)	<u>Field Theory: Analysis, Appli- cations and Design I, II, III</u>	Vector relations, static electric fields, dielectric materials, boundary conditions, field mapping, steady electric currents and their magnetic fields, and motion of charged particles. Ferromagnetics, time changing electric and magnetic fields, Maxwell's equations, field and circuit theory relationships, plane waves, and Poynting-vector energy relations. Transmission line theory, terminated lines, impedance matching and tranformation, waveguides, simple antenna systems, and group and phase velocity. Prereq.: Math 705. Must be taken concurrently with 704L, 705L, & 706L respectively. 3+3+3 q.h.
Elec. Engr. 704L 705L, 706L (C)	<u>Field Theory Laboratory I, II, III</u>	Laboratory experiments and exercises, and boundary-value computer problems to accompany EE 704, 705, & 706. Must be taken with EE 704, 705 & 706 respectively. Prereq.: IE 652 1+1+1 q.h.
Elec. Engr. 709R (D)	<u>Communications Systems I</u>	Signal analysis. Power density spectra. Communications system; Amplitude modulation, angle modulation, pulse modulation systems. Introduction to information transmission. 3 hrs. lecture & 3 hrs. lab. Prereq.: EE 708R 4 q.h.

Elec. Engr. 709 (A)	<u>Communication Systems</u>	Signal analysis. Power spectral density. Design and analysis of modulation, detection, selection, and transmission circuits and systems. Must be taken concurrently with 709L. Prereq.: EE 708 3 q.h.
Elec. Engr. 709L (C)	<u>Communication Systems Laboratory</u>	Laboratory experiments and exercises designed to accompany EE 709. Must be taken concurrently with EE 709. Prereq.: EE 708L 1 q.h.
Elec. Engr. 810R, 811R (C)	<u>Electrical Energy Conversion I and II</u>	An examination of lumped parameters electromechanics as related to Electromagnetic Field Theory; uses transducers and rotating machines to present fundamental concepts in engineering practice. Magnetic diffusion and charge relaxation fields and moving media. Must be taken concurrently with 810L and 811L respectively. Prereq. or concurrent: EE 705 3+3 q.h.
Elec. Engr. 810L, 811L (C)	<u>Electrical Energy Conversion Laboratory I and II</u>	Required experimental work designed to accompany the corresponding lecture courses. Must be taken concurrently with the corresponding lecture courses. 1+1 q.h.
Chem. Engr. & Mat. Sci. 805 (A)	<u>Principles of Bio-medical Engineering</u>	Application of engineering principles and methods of analysis to processes in the human body. Rheological, physical and chemical properties of body fluids. Dynamics of the circulatory system. The human thermal system. Transport through cell membranes. Artificial organs. Prereq.: ChE 772 and 786, Ch 720 4 q.h.
Elec. Engr. 823 (A)	<u>Microprocessor Design and Applications</u>	Analysis of modern storage devices, microprocessor architecture, potential applications and limitations, implementation, peripheral devices, interfacing, and typical microcomputer applications. Prereq.: EE 813 R 4 q.h.

Speech Comm. & Theatre 580 (C)	<u>Principles and Practices of Broadcasting</u>	A survey course designed to familiarize students with the principles and practices involved in radio and television broadcasting. Required of majors. Prereq.: 553 or 652 3 q.h.
Speech Comm. & Theatre 682 (CP)	<u>Radio and Television Station Writing</u>	Fundamentals of broadcast writing. Emphasis on the theory, analysis, and practices in the preparation of station and program continuity, news, and documentaries. Prereq.: 580 4 q.h.
Speech Comm. & Theatre 787 (A)	<u>Practicum in Tele- communications</u>	Practical application of radio and television performance and production skills in a broadcast environment. Repeatable for a maximum of six (6) hours. Prereq.: 683 and acceptance of practicum proposal. 3 q.h.
Criminal Justice 613 (CP)	<u>Criminal Investigation</u>	Legal and practical aspects of rules of evidence, physical evidence, interviews, surveillance, confidential informants, crime scene search, sources of information, and testifying and presentation of evidence in court. Prereq.: CJ 500 3 q.h.
Criminal Justice 621 (CP)	<u>Evidence</u>	Designed to familiarize the student with evidence used in criminal proceedings, the general rules governing the admissibility of evidence, the hearsay rule and its exceptions, opinion evidence, circumstantial evidence, documentary evidence, presumptions, corpus delicti, and evidentiary privileges. Prereq.: 500 4 q.h.
Criminal Justice 646 (CP)	<u>Law Enforcement Techniques I</u>	Legal and practical aspects of lineups and eyewitness identification, techniques and mechanics of arrest, report writing, testifying techniques, defensive tactics, police communications. Firearms training and use of chemical and non-lethal weapons. 3 q.h. lecture, 3 q.h. lab per week. Prereq.: CJ 601 4 q.h.

Criminal Justice 653 (CP)	<u>Traffic Law and Investigation</u>	Study of traffic laws concerning operator licensing, equipment requirements, and vehicle-related offenses; legal considerations and enforcement philosophy; accident investigation techniques, reports and records; evaluation of accident problems and determining offenses involved. Prereq.: 613, 613L 4 q.h.
Criminal Justice 665 (CP)	<u>Human Relations in Criminal Justice</u>	Methods of coping with conflicts arising out of intervention for law violations; improvement of understanding of public reactions to enforcement of law; methods of helping people in conflict with each other; and programs for improving interpersonal relationships between police and the people they serve. Prereq.: Soc. 500 and Psych. 501 or 601 (F,W,Sp) 4 q.h.
Criminal Justice 670 (CP)	<u>Community Intervention Resources</u>	Community based resources which are designed to prevent, control, or rehabilitate the delinquent or adult offender. Prereq.: CJ 500 4 q.h.
Criminal Justice 715 (CP)	<u>Criminal Justice Management Concepts</u>	An analysis of modern criminal justice management-theory; organizational behavior, organization development, personnel management, executive decision making, supervision problems. Prereq.: 601 4 q.h.
Criminal Justice 748 (CP)	<u>Commercial and Industrial Security</u>	Plant protection and industrial security; merchandising safety and security; credit and insurance investigative procedures. Prereq.: CJ 648 4 q.h.
Criminal Justice 770 (CP)	<u>Ohio Criminal Code</u>	Detailed examination of the Ohio Criminal Code regarding construction of criminal statutes, procedural rules, proof required for criminal charges, defenses, fundamental basis of criminal liability, the eleven degrees of offenses, uniform penalties, and criteria for imposing sentences. Prereq.: CJ 719 4 q.h.

Criminal
Justice
820
(CP)

Prevention and
Control of
Deviant Behavior

Crime and criminal behavior viewed as one of many forms of deviation from political, moral, and conduct norms of the majority culture. Study of forces that produce conformity and of the process whereby certain forms of conduct are officially proscribed and controlled through social intervention.

Prereq.: CJ 735 4 q.h.

Civil
Engr.
710
(C)

Surveying I

The theory of surveying and the use of instruments. Problems in leveling, traversing, and topography. Introduction to circular curves and vertical curves.

Must be taken concurrently with 710L.

Prereq.: Math 503 or equivalent
(F) 4 q.h.

Civil
Engr.
710L
(C)

Surveying I
Laboratory

Field surveying principles and techniques. Uses of transit and level are stressed.

Prereq.: Concurrently with 710.
(F) 1 q.h.

Civil
Engr.
711
(C)

Surveying II

A study involving the location, design, and construction of transportation systems, including route selection, horizontal and vertical alignment, earthwork calculations and layout.

Prereq.: CE 710. Must be taken concurrently with 711L
(Sp.) 3 q.h.

Civil
Engr.
711L
(C)

Surveying II
Laboratory

Field and office techniques used in layout of circular, compound, and spiraled horizontal curves, and vertical curves.

Prereq.: Concurrently with CE 711.
(Sp.) 1 q.h.

Civil
Engr.
811
(C)

Soil Mechanics

Properties of soil, classification, capillarity, permeability, stress, consolidation & compressibility, seepage.

Prereq.: Math 674; CE 749. Must be taken concurrently with 811L.
(F) 3 a.h.

Civil Engr. 811L (C)	<u>Soil Mechanics Laboratory</u>	Typical soil testing, procedures and physical testing of soil samples. Prereq.: Concurrently with 881 (1) 1 q.h.
Industrial Engr. 810 (A)	<u>Special Topics</u>	Special topics and new develop- ments in Industrial Engineering. Subject matter, credit hours, and special prerequisites to be announced in advance of each offering. Prereq.: Senior standing in Industrial Engineering or consent of instructor. 1-4 q.h.
Chemistry 836 (C)	<u>Chemical Bonding and Structure</u>	Applications of various bonding theories to molecular structure. Prereq.: Chem. 740. 3 q.h.
Chemistry 813 (CP)	<u>Thermodynamics and Kinetics</u>	Fundamentals of chemical thermo- dynamics and kinetics with applications in both ideal and real chemical systems. Prereq.: Chem. 740 3 q.h.
Chemistry 731 (D)	<u>Nuclear Chemistry and Its Applica- tions.</u>	Nuclear structure and reactions, types of radioactive decay, radiation detection, measurements and techniques in handling radioactive materials. Prereq.: Chem. 740 or 801. 3 q.h.
Chemistry 835 (A)	<u>Nuclear Chemistry and Its Applica- tions.</u>	Nuclear structure and reactions, types of radioactive decay, radiation detection, measurements and techniques in handling radioactive materials. Prereq.: Chem. 740 or 801. 3 q.h.
Psychology 560 (A)	<u>General Psychology</u>	An overview of psychology, its major sub-areas, and the activities of psychologists in each; basic principles governing the emergence, organization, and maintenance of behavior patterns. Required for the psychology major. (<u>Replaces Psychology 501 and 601</u>). (F,W,Sp) 4 q.h.

Psychology 501 (D)	<u>Introduction to Psychology</u>	Gives an overview of psychology as the science of behavior; discusses major sub-areas and the activities of psychologists in each; presents basic principles of human behavior, development, and adjustment with a view to better understanding oneself and others. Not a prerequisite for Psychology 601 and not applicable toward a major in psychology. (F,W,Sp) 3 q.h.
Psychology 601 (D)	<u>General Psychology</u>	The basic principles of the scientific study of behavior, including the role of the biological and experiential factors in the development and modification of intelligence, emotion, motivation, and other important determinants and components of behavior. Required for all psychology majors. Prereq.: Sophomore standing or consent of chairman. (F,W,Sp) 5 q.h.
Home Economics 759 (C)	<u>Normal Nutrition II</u>	Designed to broaden and extend the student's knowledge of the science of nutrition, with emphasis on the metabolism of nutrients at the cellular level. Current research in the field of nutrition will be included. Prereq.: Home Econ. 551 (F) 4 q.h.
Home Economics 760 (C)	<u>Nutrition in Disease</u>	An introduction to the nature and etiology of diseases and the relationship of diet to good health and to disease processes. Also included will be the use of dietary management for meeting the special needs of abnormal conditions. Prereq.: Home Econ. 603, 759 (W) 4 q.h.

Engr. Tech. CET 610 (C)	<u>Structural Analysis</u>	Fundamental and systematic determination of loads and deflections in beams, frames, trusses, and arches. Influence diagrams. Energy relations in structural systems. Practice in analysis of existing structures. Prereq.: CET 607 (or concurrently) (W) 4 q.h.
Engr. Tech. ET 610 (CP)	<u>Direct Current Machines</u>	Construction and principles of operation of D.C. motors and generators; characteristics, efficiency, control and associated equipment; specialized D.C. machines. Prereq.: EET 502 (W) 3 q.h.
Engr. Tech. EET 501 (CP)	<u>Circuit Theory I</u>	Fundamental electrical definitions and units; electrical energy sources, Ohm's law, Kirschhoff's laws; analysis of D.C. circuits; network theorems; magnetic circuits, and permanent magnets. Prereq.: Math. 502 (W,Sp) 3 q.h.
Engr. Tech. EET 502 (CP)	<u>Circuit Theory II</u>	Analysis of elementary magnetic circuits; capacitance; inductance; analysis of simple RC and RL transient circuits; alternating current and voltage; average and effective values; Phasor representation of sinusoidal wave forms; phasor algebra; impedance. Prereq.: EET 501. Prereq. or Concurrent: Math 503 (F,Sp) 3 q.h.
Engr. Tech. EET 503 (CP)	<u>Circuit Theory III</u>	Analysis of A.C. circuits (steady state solution); phasor diagrams; network theorems; power, power factor; series and parallel resonant circuits; polyphase circuits; mutually coupled circuits. Prereq.: EET 502, Prereq. or Concurrent: Math 507. (F,W) 3 q.h.

Engr. Tech.
EET 600
(CP)

Measurements

Measurement errors; basic meter in D.C. measurement; basic meter in A.C. measurement; D.C. and A.C. bridges; and digital display instruments; transducers.
Prereq. or Concurrent: EET 503.
(F) 3 q.h.

Engr. Tech.
EET 614
(CP)

Industrial Electronics

Analysis of electronic control circuits in industry; analog and digital time delay circuits; silicon controlled rectifier circuits; photoelectric devices; phase shift control.
Prereq.: or Concurrent: EET 606.
(W) 3 q.h.

Engr. Tech.
EET 605
(CP)

Electronics I

Basic theory of operation and I-V characteristics of the vacuum diode, gas diode, and semiconductor diode; diode applications, including voltage regulators, rectifiers, clampers, and clippers; basic theory of operation and I-V characteristics of the triode, tetrode, pentode, and junction transistors; D.C. biasing of vacuum tube and transistor amplifiers.
Prereq.: EET 502 (W) 3 q.h.

Engr. Tech.
EET 710
(CP)

Networks

An introduction to the Laplace transform and its application to the analysis of electrical networks, including coupled circuits, filters, attenuators, and equalizers. Three hours lecture, three hours laboratory per week.
Prereq.: EET 503, Prereq. or Concurrent: Math 770.
4 q.h.

Business Education
and Technology
534
(CP)

Alphabetic Shorthand I

Principles of shorthand based on the English alphabet and development of a speed of 60 words a minute on business letters.
Prereq.: BE & T 505 or equivalent and BE & T 520 or equivalent.
(F) 4 q.h.

Business Education and Technology 532 (CP)	<u>Machine Shorthand I</u>	Learning the theory of machine shorthand. Prereq.: BE & T 505 or equiv. (F) 4 q.h.
Business Education and Technology 530 (CP)	<u>Shorthand I</u>	The fundamental principles of the Gregg system of shorthand are presented. Prereq.: BE & T 505 or equiv. (F,W,Sp) 4 q.h.
Economics 704 (D)	<u>Economics and Social Statistics I</u>	Probability theory with emphasis upon uncertainty in estimating parameters and testing hypotheses. The evaluation of single samples for purposes of estimating and testing. Prereq.: Sophomore standing. 4 q.h.
Economics 624 (A)	<u>Economics and Social Statistics I</u>	Probability theory with emphasis upon uncertainty in estimating parameters and testing hypotheses. The evaluation of single samples for purposes of estimating and testing. Prereq.: Sophomore standing. (This course replaces Econ. 704) 4 q.h.
Economics 853 (A)	<u>Applied Econometrics</u>	Construction and estimation of economic models with public and business applications. Methods of translating economic behavior into models; means of overcoming problems of estimation. Standard computer programs will be used. Programming ability is not required. Prereq.: Econ. 621 & Econ. 705. 4 q.h.
Health & Phys. Educ. 797 (D)	<u>Camping and Out- door Education</u>	Theory and practice of primitive to modern camping. Includes: selection, care, and handling of equipment; selection and prepara- tion of campsites, recognition and preservation of wildlife in its natural habitat. 4 q.h.
Health & Phys. Educ. 697 (A)	Camping	A lecture-laboratory class examining the specific skills and problems encountered in camping, i.e., shelter, clothing, food, transportation & site selection. 2 q.h.

Management
837
(D)

Management
Science

An understanding of methods of management science from an executive or managerial viewpoint, emphasizing formulation of business problems in quantitative terms. Topics such as linear programming, dynamic programming, game theory, Monte Carlo method, probability theory, queueing theory, inventory theory, transportation method, and simulation will be discussed and evaluated. Prereq.: Math 550. Acctg. 710 or Comp. Sci. 600 and Econ. 704.
4 q.h.

Management
737
(A)

Management
Science

An understanding of methods of management science from an executive or managerial viewpoint, emphasizing formulation of business problems in quantitative terms. Topics such as linear programming, dynamic programming, game theory, method, and simulation will be discussed and evaluated. Prereq.: Math 542, Acctg. 610 and Econ. 704.
4 q.h.

Management
819
(D)

Production
Management

A systematic study of current production theories and practices with particular emphasis on methods analysis, work measurement, wage incentives, production planning and control, plant layout and materials handling, and cost methods. Prereq.: Management 725, and Econ. 704.
4 q.h.

Management
789
(A)

Production
Management

A systematic study of current production theories and practices with particular emphasis on methods analysis, work measurement, wage incentives, production planning and control, plant layout and materials handling, and cost methods. Prereq.: Management 725 and Econ. 704
4 q.h.

Engr. Tech. Microprocessor
EET 740 Fundamentals
(A)

An introductory treatment of microprocessor software and hardware. Includes a study of microprocessor components, systems, programming and application. Commercially available units are discussed.
Prereq.: EET 616 4 q.h.

An understanding of methods of management science from an executive or managerial viewpoint, emphasizing formulation of business problems in quantitative terms. Topics such as linear programming, dynamic programming, game theory, Monte Carlo method, probability theory, queueing theory, inventory theory, transportation method, and simulation will be discussed and evaluated.
Prereq.: Math 550, Acctg. 710 or Comp. Sci. 600 and Econ. 704
4 q.h.

Management
737
(A)

An understanding of methods of management science from an executive or managerial viewpoint, emphasizing formulation of business problems in quantitative terms. Topics such as linear programming, dynamic programming, game theory, method, and simulation will be discussed and evaluated.
Prereq.: Math 542, Acctg. 610
4 q.h.

Production
Management
819
(D)

A systematic study of current production theories and practices with particular emphasis on methods analysis, work measurement, wage incentives, production planning and control, plant layout and materials handling, and cost methods.
Prereq.: Management 735, and Econ. 704
4 q.h.

Production
Management
789
(A)

A systematic study of current production theories and practices with particular emphasis on methods analysis, work measurement, wage incentives, production planning and control, plant layout and materials handling, and cost methods.
Prereq.: Management 725 and Econ. 704
4 q.h.

3/8/77

TO: University Honors Committee
FROM: J. Altinger - Chairman
Re: Minutes of March 7th meeting.

1. Dr. J. Altinger was chosen chairman.
2. There was a short discussion concerning those departments which have honors courses listed and past University Honors Seminars. There arose a need of guidelines for Honors Courses in specific departments as well as for the University Seminars.

A questionnaire will be circulated to all University Departments to gather data relative to their desire and/or view of honors courses.

3. Professors Roberts and Bartholow suggested the following idea concerning Honors Programs:

"Honors Students should be given the opportunity to obtain knowledge transcending their individual majors - gaining expertise in as many fields as possible."

The Creativity Seminar may be a start in this direction:

Further ideas mentioned:

- a) A standard for giving grades might be set that reduces competition.
- b) Possibly a student would not count courses in his major towards the honors certificate.

Next meeting: March 31, 12:00 in CAST 1060.

YOUNGSTOWN STATE UNIVERSITY

Please Please file with
INTER-OFFICE CORRESPONDENCE *Mar*
Minute

Jean Kelty
TO Virginia Phillips, Senate ✓

DATE 3/23/77

FROM University Curriculum Committee
per D. Robinson

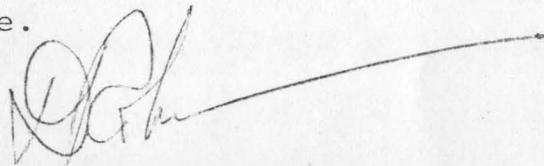
SUBJECT ERROR IN MINUTES

Our input to the minutes of the March 4 meeting erroneously included a reference to Chemical Engineering 805, a biomedical engineering course.

As will be apparent in the agenda for the May meeting, the course did not sail through without objections, and a modified version of the proposal will await senate action.

Since most of the people who could have perceived their oxen to be gored have already called me to tell me about it, I don't think that any public notification should be required.

The error was entirely mine.



cc: *Slawicki*
DTsa
