

SPECIAL SENATE MEETING MINUTES
YOUNGSTOWN STATE UNIVERSITY
Friday, December 19, 1969

PRESENT: Mr. Grim, Mr. Fortunato, *Mr.* Paraska, Mr. Teodorescu, Mr. Elser, Mr. Hankey, Mrs. **Dykema**, Mr. Gay, Mr. Hare, Mrs. Miner, Miss Pfau, Mr. Evans, Mr. Miller, Mr. Boland, Mr. **Foster**, Mrs. **Botty**, Mr. **Kiriazis**, Mr. Kermani, Mrs. Harris, Mr. Cernica, Mr. Williamson, Mr. Swan, *Mr.* **Looby**, *Mr.* Jones, Mrs. Cunningham, *Mr.* Kelley, Jr., Mr. **Vanaman**, Mr. Solimine, Jr., Mr. Letchworth, Mrs. Murphy, *Mr.* Flad, Mrs. Turner, Miss **DeCapita**, Lt. Col. R. J. Connolly, Mr. Roberts, Mr. Rosenthal, Mr. Domonkos, Miss **Sterenberg**, Mr. Gould, Mr. Richley, Mr. Terlecki, Mr. Fukui, Miss **Feldmiller**, Mr. Hurd, Mr. Luginbill, Mr. Yozwiak, *Mr.* **Mavrigian**, Mr. **D'Isa**, Mr. Siman, Vice President Rook, Col. Wales, **III**, Mr. **Gillespie**, Mr. Rishel, *Mr.* Sorokach, *Mr.* Livosky, Mr. Spiegel, Mr. Sturm, Mr. Cohen, Mr. **Scriven**, Vice President Coffelt, Mr. **Beckman**, Mr. Hahn, Mrs. **Smith**, Mr. Hotchkiss, Mr. Rand, Miss Boyer, Mr. Klasovsky, Mrs. **Niemi**, Mr. Byo, Mr. Naberezny, Mr. Bright, Mr. Ringer, Mr. Greenman, Mr. Riley, Mr. Ives, Mr. von Ostwalden, Mr. Foldvary, Mr. Smith, Mr. **Dykema**, Mr. Azneer, **Mr.** Young, **Mr.** Crites, Miss Jenkins, Vice President Coffield and President Pugsley.

PRESIDING: PRESIDENT ALBERT L. PUGSLEY TIME: 4:00 p.m. (ES AUDIT.)

The President called for the approval of the minutes of the previous Senate meeting (Friday, December 5, 1969). There being no corrections or additions the Minutes were declared approved as distributed.

The President announced the January 9, 1970 Senate meeting will be held in the Planetarium that day at 4:00 p.m. (due to a large meeting in the Engineering Science Auditorium). Notices of this meeting will be sent January 5, 1970. Also, Senate members were asked not to forget to sign the Roll at today's meeting.

The report on the results of the election (naming the three representatives) from Youngstown State University to the Ohio Faculty Senate was given by the Secretary of the Senate.

Miss Jenkins reported as follows: a total of 285 ballots were returned. The results - the 3 representatives from Youngstown State University to the Ohio Faculty Senate - in alphabetical order are as follows:

- 1) Raymond W. Hurd
- 2) Edward T. Reilly
- 3) Elizabeth I. Sterenberg

TELLERS: Dr. Sanford Hotchkiss, Mrs. Joan Keaggy, Mr. Gus Mavrigian.

(In presence of Secretary of the Senate)

Miss Jenkins expressed her thanks and appreciation to the tellers for their part in counting and tallying the ballots.

(CONT'D. NEXT PAGE)

SENATE MINUTES CONT'D. (December 19, 1969)

Dr. Philip J. Hahn asked the Secretary of the Senate to include this note from him (Chairman, Executive Committee of the Senate) in the Minutes of this meeting. The note which Dr. Hahn wished to have included is as follows:

"A document purporting to be the approved minutes of the Faculty Affairs Committee of November 26, 1969 was circulated by the Secretary of the Faculty Affairs Committee to administration and faculty. On December 10, 1969 the Faculty Affairs Committee took action to consider the minutes of its November 26 meeting at which time paragraphs 14 through 25 were deleted and are not included in the approved minutes of the meeting of November 26, 1969. Paragraphs 14 through 25 were the personal interpretation of the Secretary of the Faculty Affairs Committee and were distributed as minutes without authorization."

REPORT OF CURRICULUM COMMITTEE:

This report was given by the Chairman, Dr. Paul Beckman.

Dr. Beckman stated that on page 3 of the Curriculum Report to the Senate, Economics 813, the number of credit hours was omitted " it should be 3 q.h.

He further stated that following procedure, requested changes have been studied thoroughly by the appropriate School Curriculum Committees and by the University Curriculum Committee. Frequently, Department Chairmen or representatives have appeared to discuss certain proposals, and on occasion suggested revisions have been made.

MOTION: Dr. Paul Beckman moved approval of the entire report of the Curriculum Committee, of courses and course changes in: Business Organization, Merchandising, Electrical Engineering, Industrial Engineering, Music, Secretarial Studies, Economics, Mathematics, Physics, Astronomy, Biology, Chemistry, Geography, Geology, Health and Physical Education, Political Science and Sociology. These courses and course changes had been approved by the Curriculum Committee. Seconded.

MOTION PASSED UNANIMOUSLY.

NOTE: (FOR DETAILS OF COURSES AND COURSE CHANGES SEE SENATE MINUTE BOOK).

REPORT FROM AD HOC COMMITTEE TO STUDY UNIVERSITY-WIDE CLASS SCHEDULING:

This report was given by the Chairman of the Committee, Dr. Nicholas Paraska.

Dr. Paraska thanked the Committee for electing him Chairman and expressing their confidence in them; also, for serving on the Committee without limiting the amount of time the members have spent on

(CONT'D. NEXT PAGE)

SENATE MINUTES CONT'D. : (December 19, 1969)
REPORT OF AD HOC COMMITTEE (UNIVERSITY-WIDE SCHEDULING) CONT'D. :

this report. The Committee met many times. Dr. Paraska also thanked the members of the Committee for giving up their time to arrive at the results of this report.

The Committee had one public hearing. They also had a few written comments. Based on the Committee deliberations and the information from the faculty the Committee made the recommendations which were distributed in a report dated December 11, 1969 to all Full Service Faculty.

MOTION: Dr. Nicholas Paraska^A moved that the report from the Ad Hoc Committee to Study University-wide Class Scheduling, dated December 11, 1969 be accepted.
Seconded.
AYES HAVE IT. ONE NAY VOTE.

(FOR DETAILS OF REPORT SEE ATTACHED SHEET OR SENATE MINUTE BOOK).

REMARKS BY PRESIDENT PUGSLEY:

Dr. Pugsley stated there was a story in today's (Friday, December 19, 1969) Cleveland Plain Dealer entitled "Move for University Control Plan Seen Near". (The story was on Page 4, Section D), as follows:

A study committee of the Legislature seems to be moving toward the recommendation of management control of Ohio's statewide University System. Chancellor Millett did not ask directly for additional powers but the study committee appears to be moving towards the above recommendation.

The Chancellor appeared before a Joint Legislative committee which was reviewing the administration of education in Ohio. The Committee completed recently a study of higher education in the State of Ohio. This calls for much more standardization of administrative and management controls of the University system.

The result of this could be a clash between the Legislature and the Board of Regents, and the independent-minded University administrations.

The Consulting firm (Warren-King) report covers many phases, but much of the meeting was spent discussing the problem of how to make better use of classroom space. The Legislature has complained that classrooms are not used sufficiently most of the day (late afternoons and early evenings especially), but University administrators continue to state they need additional money for new buildings, classrooms, etc.

The Chancellor agreed that if space were adequately used a major change would be necessary in habits of both students and faculty members. Many students want classes only on Monday, Wednesday, Friday mornings from 9:00 until 12:00 noon, etc., Also, many faculty members want to teach only three mornings a week - Monday, Wednesday,

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SENATE MINUTES CONT'd.: (December 19, 1969)

REMARKS BY PRESIDENT PUGSLEY CONT'D.:

Friday, The Chancellor felt College and University Presidents and administrators in the State of Ohio would have to change that pattern. The Chancellor was also asked whether or not the Legislature might not help University Presidents and Administrators to change this pattern, and the Chancellor stated "possibly",

The Chancellor also feels the Board of Regents could control and improve University administration through control over operating and capital improvement budgets, It is also possible better management programs will be required,

University Presidents are to appear before the Committee next month. It is expected the Presidents will be very critical of the Consulting Report,

Dr. Pugsley stated the request of the Legislature for coordination of Institutions is to save money for the taxpayers. You cannot have complete autonomy if you are having a coordinating system,

Dr. Pugsley further stated the Chancellor and the Ohio Board of Regents have been very pleased to have recommendations from the University (YSU). We have never failed to receive a hearing. It is not always decided the way one would like it to be, but nevertheless, we do get a hearing,

The inference was that institutions are unduly wasteful in the way classes are scheduled. One should use the physical facilities of the University as much as possible. We want to schedule effectively and efficiently. Dr, Pugsley stated he refused to panic,

COMMENT: 1) Is this an attempt to impose on all Institutions a rigid structure, such as schools should have five Vice Presidents, etc. Ramrod all Institutions into the same pattern.

ANS.: Yes.

Dr. Pugsley stated he had sent copies of the Warren-King Report to the Board of Trustees and Vice Presidents of the University and also to the Deans. We did receive earlier an individual report about this Institution. We read it with great care.

Dr. Pugsley wished all present the Happiest of Christmas Seasons! Also, thanks for the work all have been doing and will continue to do at this Institution.

MEETING ADJOURNED,

Respectfully submitted,

Vera Jenkins
SECRETARY OF THE SENATE

December 11, 1969

TO: UNIVERSITY FULL SERVICE FACULTY

FROM: AD HOC COMMITTEE TO STUDY UNIVERSITY-WIDE CLASS SCHEDULING

At its October meeting, the University Senate charged the Ad Hoc Committee to Study University-wide Class Scheduling to make recommendations concerning the length of courses in credit hours and times for scheduling. The committee presented tentative proposals to the faculty and held a public hearing on those proposals on November 25. The committee will make the following recommendations to the Senate on December 19:

- 1) Establish the same hourly pattern for day classes Monday through Friday, 8 to 4, with all classes starting on the hour. The Monday-Wednesday and Tuesday-Thursday evening pattern should use 7:30 as a central point and classes should be scheduled up to and away from it. For four-hour classes, the pattern will be 5:40-7:30 and 7:40-9:30, This pattern is compatible with three and five-hour courses. (See Note #1). This change is to become effective the Fall of 1970,
- 2) Make four credit hours the normal value of academic courses; any higher or lower values will require justification before approval, Conversion to four-hour courses should be effected by combining material and redividing rather than inflating three-hour courses into four-hour courses. (See Note #2). The review and re-evaluation of all courses should be completed in time to be included in the 1971-1972 catalog issue of the YSU Bulletin.
- 3) Department Chairmen and Deans must schedule classes so there is an even distribution at all hours over all five days and so that the hour block is not fragmented, Administrative procedures should be established to assure maximum utilization of rooms.

NOTE #1: TIME PATTERN FOR EVENING CLASSES

<u>3 q.h.</u>	<u>4 q.h.</u>	<u>5 q.h.</u>
4: 50-6: 05		
6: 15-7: 30	5: 40-7: 30	5: 15-7: 30
7: 40-8: 55	7: 40-9: 30	7: 40-9: 55
9: 05-10: 20		

NOTE #2: For the existing courses which were formerly three semester hours and for recently introduced courses, the value would normally be four credit hours. The courses that were traditionally six semester hours should be converted where possible to two fours or, if necessary, to a four plus five sequence.

December 19, 1969: Above report accepted by University Senate at Senate meeting Friday, December 19, 1969,

December 11, 1969

*W. Jenkins
Secy of Senate*

TO: UNIVERSITY FULL SERVICE FACULTY

FROM: AD HOC COMMIT TO STUDY -WIDE CLASS SCHEDULING

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9:05-10:20		

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YOUNGSTOWN STATE UNIVERSITY

SPECIAL SENATE MEETING

Friday, December 19, 1969

IN ATTENDANCE:

John L. Green
Frank W. Stewart
N. Parasha
D. [unclear]
H. Elser
C. Hanky
C. R. Hykama
Thomas Gay
Robert K. Hare
Helma S. Miner
Margaret J. O'Farrell
E. [unclear]
C. [unclear]
John R. Beaud
J. D. Foster
P. E. [unclear]
James W. Krasz
Taghi Kermani
Ann B. Harris
John Arica [unclear]
G. R. Williamson
W. Swan
L. Sooty
George Jones
Jane Cunningham
George W. Kelley
Clyde [unclear]
G. [unclear]
George [unclear]
Grace [unclear]
William S. Flad
[unclear]
M. M. McCapita
Richard J. Connolly
S. S. Roberts
Lewis S. Rosenthal
L. S. Domonkos
E. [unclear]
Donald S. [unclear]
Victor A. Riechley

YOUNGSTOWN STATE UNIVERSITYSPECIAL SENATE MEETINGFriday, December 19, 1969IN ATTENDANCE CONT'D.:

J. J. Terlecki	Bill Coffey
H. N. Finkin	Max Smith
	Samuel W. Haddock
	Hand
Raymond W. Hurd	J. Boyer
Paul C. Longwell	Michael Khovachy
B. J. Yozwiak	Edward Dziemi
G. MAVRIGIAN	D. W. Byo
Frank W. Ba	Jon Valicey
Matthew Siman	Lee Bright
Joe Raab	Louis B. Knight
John W. Waks, III	M. L. A. Greenman
John B. Gillespie	Bruce T. Piley
Derrell F. Pich	David S. Ives
Mark	P. von Ostwalden
Wm. Linsby	Elmer Foldvary
L. B. Spiegel	Robert K. Smith
Nicholas Sturm	Karl W. Dykema
Irwin Cohen	Leonard Byrd
Ed Criven	Warren Young
John J. Coffell	Shirley Citey
Paul Beckman	Debra Jenkins

NOTE: Approved and passed at today's Senate meeting.

(11-19-69)

REPORT TO SENATE
December 19, 1969

*v. Jenkins
Secy.*

The following requests for course changes have been approved by the University Curriculum Committee, and are being submitted to the University Senate for its consideration.

School of Business Administration

Business Organization

Change

835, Advanced Business Finance 4 q.h.
Only change is a reduction from 5 credit hours, prerequisite and description remain as in 1969-70 catalog.

Merchandising

Delete

813, Marketing Research 3 q.h.
814, Marketing Field Studies 3 q.h.

Add

815 Marketing Research 4 q.h.
Prerequisite: Merchandising 624 and Economics 704 or consent of the teacher.

Description: Introduction to the major areas of research in Marketing. Attention is given to problem definition, research design, gathering information and analysis to assist marketing management with the decision making process. Both empirical and theoretical concept are explored. Review of research problems, approaches and trends in industrial retailing, wholesaling, trade association, advertising agency, publishing and consulting firms. Reasons for proposal: To replace #813 and #814. To gain greater continuity for the students in Marketing Research.

School of Engineering

Electrical Engineering

Change

817, Control Analysis II 4 q.h.
Change includes the addition of one q.h., and a modification in description. Prerequisite as listed in 1969-70 catalog.
Description: Linear and Nonlinear control system compensation techniques in the time and frequency domain, Signal flow diagrams input-output control systems, compensation to eliminate the effects of parameter variations.
Reasons for proposal: Additional material is added to an existing elective course to include additional topical material. The quarter hour credit is increased by one **in order** to cover this **additional** material.

Add

820, Modern Control Theory 4 q.h.
Prerequisite: EE 703
Description: Introduction to the design of linear feedback control systems for minimum time **response**. Design of feedback systems with bang-bang control and **minimum** fuel constraints. Design of linear system with free and semi-free configurations for **minimum** mean square error.
Reason for proposal: To include concepts of **modern** control theory in the undergraduate curriculum.

12-19-69
NOTE: Approved and passed at today's Senate meeting.

*v. Jenkins
Secy*

Industrial Engineering

Add

825, Advanced Engineering Economy

3 q.h.

Prerequisite: I.E. 824 Engineering Economy
Mathematics 740

Description: An extension and application of the topics considered in I.E. 824. Such extensions will be applied to such areas as decisions under assumed certainty, decisions under risk, replacement policies, bidding and purchasing policies.

Reason for proposal: To provide a needed technical elective in Engineering.

826, Engineering Analysis

3 q.h.

Prerequisite: I.E. 602 Computers I & II
Mathematics 710

Description: **The use of an algorithmic language in the solution of complex engineering problems.** Intended to provide **background and techniques for the solutions of such problems numerically.** Models of Linear and Nonlinear systems in all engineering disciplines will be considered.

Reason for proposal: It is highly desirable that every engineer understands how problems can be described for handling by electronic computers.

School of Music

Change

003, The Madrigal Singers

1 q.h.

Change in description, only, to: The Madrigal Singers is for selected graduate and undergraduate students. A small ensemble of singers for the study and performance of music from all periods and repertoires.

830, Materials of Twentieth Century Music

3 q.h.

Change in prerequisites, title and description. (former title, "Modern Harmony").

Prerequisite: Theory 612

Description: A study of the various elements of twentieth century composition, including melody, harmony, rhythm, texture, and form.

Reason for proposal: Present title and description inappropriate for course content.

Technical and Community College

Secretarial Studies

Change

720, Personal Relations in Business

4 q.h.

Change in prerequisite only, to: Junior standing or permission.

College of Arts and Sciences

Economics

Change

811, Theory of International Trade

3 q.h.

Prerequisite: Economics 603

Description: Theory of international specialization, world trade and development; commercial policies and international economic relations; some references to the international balance of payment (with emphasis on current accounts) exchange rates and payment mechanism.

NOTE: 12-19-69 Approved and passed at today's Senate meeting.

v. Jenkins
3 hcy

812, International Finance and Capital Movements 3 q.h.
Prerequisite: **Economics 603**

Description: Theories of international values, mechanism of adjustment of international balances; theories of foreign exchange and capital movements; theories concerning interrelation between price level, balance of payments and capital movements; international aspects of monetary and banking theory.

813, Economic Development - - - - - 3 q.h.
Prerequisite: **Economics 812** or instructor's approval

Description: Theories of economic growth as applied to developing economies; study and analysis of the nature of, the obstacles to, and the future possibilities for accelerated economic growth in underdeveloped nations; the economic affects of international movements of capital and **intergovernmental economic** assistance.

Reasons for proposal We are restructuring the material that has been offered in 811, 812, and 813 to make more logical division in the topics offered in the International Trade areas. The new titles will better describe the course content. The material offered in the three courses has not been changed.

Mathematics

Delete

525, 526, 527, Survey of Mathematics 3+3+3 q.h.

Add

523, 524, Survey of Mathematics 4+4 q.h.

Prerequisite: 1 unit of high school algebra and 1 unit of high school geometry or mathematics 500 and 501.

Description: A course for **non-science** majors emphasizing some of the basic ideas in mathematics. The stress is on concepts rather than on manipulatory skills.

Reason for proposal: A change in hours from 3+3+3 to 4+4 to better serve as an elective towards fulfilling the science requirement for graduation.

Physics

Delete

501-L, Fund. of Physics Lab. 1 q.h.

Change

501, 502, 503, Fund. of Physics 4+3+3 q.h.

The change includes the addition of 1 hour for 501, and deletion of part of

Prerequisite: Mathematics 502 and 503, or equivalent high school **algebra** and trigonometry. (Delete the high school physics requirement)

Description: As in 1969-70 catalog.

Reason for proposal: The elimination of 501-L and the increase in class time, by one hour, for 501 is a better educational distribution of the student's time than the present allocation; particularly in view of the reduction in the physics prerequisite for physics course #501.

510, Gen. Physics I 4 q.h.

Change in prerequisite, only, to: or concurrent: Mathematics 571
Reason for proposal: The physics staff feel that they can teach the 510 course effectively without a high school physics prerequisite.

NOTE: 12-1-69 Approved and passed at today's Senate meeting

4
v. Jenkins
Key - 4 q.h.

New
500, Introduction to Physics
Prerequisite: None
Description: A breadth-of-experience approach and **largely** non-mathematical presentation of selected theories and laws of physics. These are presented in a historical context of some of the successes and failures of famous physicists in their efforts to describe the phenomena of our universe in terms of functional relationships.
Reason for proposal: Submitted in compliance with the new University requirement,

Astronomy

Delete
503, Descriptive Astronomy 5 q.h.

Add
504, Descriptive Astronomy 4 q.h.
Description: A survey of the solar **system** and stars. Credit may be applied towards fulfillment of the 16 hour general science requirement.
Reason for proposal: This is the course to fulfill the new science requirement.

Biology

Delete
500,501,502, Principles of Biology 3+3+3 q.h.
500L, 501L, 502L, Principles of Biology Lab 1+1+1 q.h.
530-531, Physical Science for Nurses 4+4 q.h.
555, Biology for Elementary Teachers 6 q.h.
600-601, Anatomy & Physiology 5+5 q.h.
650, Structure & Function **of** Man 5 q.h.
840-841, Biological Techniques 2+3 q.h.
Natural Science 501, Physical Science for Teachers 6 q.h.
Natural Science 520-521, Physical **Science** 3+3 q.h.

Change
551-552, Anatomy and **Physiology** 4+4 q.h.
A **change in description only, to:** Structure and function of the human organism. **Not for biology majors.**
560, **Paramedical Microbiology** 5 q.h.
A **change in description only, to:** Characteristics, epidemiology, and pathology of virus, rickettsiae, bacteria and protozoa of medical significance. **Not for the Biology major**

New
505, Biology and Modern Man 4 q.h.
Prerequisite: None
Description: Findings, applications and thinkings of the science of **biology** as applied to problems of today, Primarily for science requirement. Not to be taken by majors or by students needing biology as prerequisite for further course work.
506,507,508, Principles of Biology 4+4+4 q.h.
Prerequisite: None
Description: A laboratory course in general biology designed to provide comprehensive coverage of basic life science for students who require biology for entrance into various specialty schools or as a required subject in related fields. Not for biology majors. (Replaces 500,501,502 and is comparable)

12-19-69

NOTE: Approved and passed at today's Senate meeting.

V. Jenkins
Key 5

Chemistry

Delete

505,506,507, Fund. of Chemistry
508, Problems in Chemistry

4+4+4 q.h.
3 q.h.

Change

515,516, General Chemistry

4+4 q.h.

This is a change in Prerequisite for 516 only, to:

Prerequisite for **516:Chem.** 515 (or Chemistry 502 and 2 units of high school algebra and 1 unit of high school geometry),

Reason for proposal: Changing the prerequisite for Chemistry 516 will allow for a possible switchover from the new "Survey of Chemistry" course sequence (501, 502, **503**).

517, General Chemistry and Qualitative Analysis

4 q.h.

This is a change in Prerequisite only, to: Chemistry 516 (or Chemistry 503 and 2 units of high school algebra and 1 unit of high school geometry).

Reason for proposal: Changing the prerequisite for Chemistry 517 will allow for a possible switchover from the new course sequence (Survey of Chemistry 501, 502, **503**).

722, Organic Chemistry

2 q.h.

Prerequisite: or concurrent: Chemistry 721

Description: Additional laboratory **preparations** and techniques. This course is required for all candidates for the B. S. degree with a major in chemistry. One hour lecture and three hours laboratory.

Reasons for proposal: Change from 3 **q.h.** to 2 q. h. The prerequisite and description of the course have been changed. These changes are due to the fact that the number of hours required for a B. S. degree with a major in chemistry has been lowered from 72 **q.h.** to 62 **q.h.**

803,804, Chemical Instrumentation

4+3 q.h.

Prerequisites: Chemistry 604, 741

Description: A study of the theoretical foundations of instrumental procedures and the application and use of instruments in analytical work. Chemistry 803: two hours of lecture and six hour of laboratory. Chemistry 804: two hours of lecture and three hour of laboratory.

Reason for proposal: The credit for Chem. 804 has been **lowered** from 4 to 3 **q.h.** The prerequisite has been changed. These change. are due to the fact that the number of hours required for a B. S. with a major in chemistry has been changed from 72 **q.h.** to 62 **q.h.**

822, Organic Analysis

3 q.h.

Prerequisite: Chemistry 722

Description: No change.

823, Oranic Synthesis

3 q.h.

Prerequisite: Chemistry 722

Description: No change.

Reasons for two above proposals:: Change course number from Chem. 724 to Chem 823 and Chem 723 to Chem. 822. When the basic organic chemistry sequence was changed from the 600 level to a 700 level course, Chem. 723 & 724 whould have been changed to a higher level. The course content in Chem. 723 & 724 are at a higher level than the basic organic sequence. Also, changing Chem. 723 & 724 to 800 level courses would permit students to obtain advance lab credit.

12-19-69
NOTE: Approved and passed at today's Senate meeting.

*v. Jenkins*⁶
Key 2+2 q.h.

829,830, Inorganic Chemistry II & III

Prerequisite: No change.

Description: (II) Current interpretations of the chemistry of nonmetals and pre-transition metals. (III) Transition metals and coordination compounds. Need not be taken in sequence.

Reason for proposal: Inorganic Chem. II and III are being changed from a 3 q. h. course to a 2 q.h. course. Also the description of the course has been changed. These changes are due to the fact that the number of hours required for a B. S. degree with a major in chemistry has been lowered from 72 q.h. to 62 q.h.

New

501, Survey of Chemistry I

4 q.h.

Prerequisite: None

Description: A one quarter survey designed for those with little or no mathematics or science background. Important principles and modern concepts are discussed and illustrated using examples common to everyday experience. This course may be taken in partial fulfillment of the minimum science requirement for a baccalaureate degree. Chemistry 501 is not intended for chemistry majors. Four hours lecture; no laboratory.

502,503, Survey of Chemistry II & III

4+4 q.h.

Prerequisite: Chemistry 501, High school algebra (1yr.) or Math 500.

Description: A more detailed discussion of important chemical principles, Three hours lecture; three hours laboratory.

Reason for two above proposals: Chemistry 501,502,503 are designed for the general student who wishes to fulfill a portion of his science requirement. The new sequence is expected to replace Chemistry 505,506,507, and 508.

Geography

Delete

801, Resource Appraisal

5 q.h.

Change

519, Economic Geography

5 q.h.

This is a change in Description only, to: Geographical study of world distribution of economic activity, including an introduction* to location theory.

Reason for proposal: To correct and update course description so that it is in line with actual course content.

800, European Area Studies

9 q.h.

This is a change in description only, to: A course in the geography and in the history of Western Europe, with special emphasis on urban and cultural development. The class is made up of about 30 members supervised by the Geography and History faculty, and tours cities in Austria, Belgium, France, Germany, Italy, the Netherlands, Switzerland and the United Kingdom. The course is designed to provide maximum opportunities for meeting the people of Europe to develop an understanding of its various regions and urban areas, and to permit more valid interpretations of its current political, economic, and cultural state. The course grade is based upon a term paper which must be submitted within 60 days after the end of the course.

Reasons for proposal: The course will now be a cooperative venture with the history department hence the new description.

NOTE: ¹²⁻¹⁷⁻⁶⁹ Approved and passed by today's Senate meeting. *v. Jenkins*

General prerequisite for 802 and higher courses **to read:** Junior or senior standing in one of the social sciences, or the consent of the geography department chairman is a **prerequisite** to any of the following courses.

Add

603, Conservation of Natural Resources 3 q.h.

Prerequisite: Principles of Geography 502.

Description: Conservation of soil, water, plant, animal, mineral, and recreational resources; general principles of conservation as they apply to the U.S.A.

Reasons for proposal: Desirable as elective for education majors.

805, Geography of Environmental Planning 3 q.h.

Prerequisite: Junior or senior standing in one of the social sciences, or the consent of the geography department chairman.

Description: A review of the totality of factors influencing **change** in our physical and cultural environment. Particular stress will be placed on the causes and effects of air, water, and land **pollution** as part of a region or country-side system. Problems will be identified and proposed solutions reviewed. Specific investigation will be **made** of the interregions as well as the interrelationship between regions themselves. These factors will be examined in context of the **spatial** distribution of economic and social activities.

Reasons for proposal: This course will have great relevancy in critically evaluating the current focus on the **environmental** effect of pollution.

Geology

Delete

503, Physical Geology 5 q.h.

503L, Physical Geology Lab 1 q.h.

504, Historical Geology 5 q.h.

504L, **Historical** Geology Lab 1 q.h.

Add

505, Principles of Physical Geology 4 q.h.

Prerequisite: None

Description: A study of the various physical and chemical **processe** acting on and within the earth and their products. Credit for this course may be applied towards the university science requirements.

Class meets four hours per week.

Reason for proposal: To provide a four quarter hour course for the new science requirement and an introductory course for the **geology** and earth science majors. Replaces Geology 503 (**Physical** Geology, 5 q.h.)

506, Principles of Historical Geology 4 q.h.

Prerequisite: Geology 505

Description: A chronological study of the physical and biological development of the earth as determined by the rock and fossil record. Credit for this course may be applied towards the university science requirements. Class meets four hours per week.

Reason for proposal: To provide an additional four hour course for the new science requirement for those desiring it and a basic course for the geology and earth science majors. Replaces Geology 504 (Historical Geology, 5 q.h.).

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NOTE: Approved and passed at today's Senate meeting.

J. Jenkins q.h.
Key

507, Principles of Geology Lab
Prerequisite: Geology 505 and 506
Description: A combined lecture and laboratory involving the elementary identification of fossils, rocks and minerals and the use of topographic and geologic maps plus assigned outside work on geologic techniques. Credit for this course may be applied towards the university science requirements. Four hours of laboratory and two hours of lecture per week.
Reason for proposal: To provide an additional four hour course for the new science requirement for those desiring it and a basic course for the geology and earth science majors. Replaces and covers more material than Geology 503L and 504L.

Health and Physical Education

Delete

- 534W, Beginning Fencing 1 q.h.
- 650M, Life Saving Methods 3 q.h.
- 650W, Life Saving Methods 2 q.h.
- 750M, Water Safety Methods 3 q.h.
- 750W, Water Safety Methods for Instructors 3 q.h.

Change

536W, Beginning **Gymnastics** 1 q.h.
A change in description only, to: Beginning skills in basic tumbling, floor exercises, balance beam, uneven parallel bars, vaulting and trampoline.

New

- 533C, Beginning Bowling 1 q.h.
Prerequisite: None
Description: Fundamentals of bowling, including equipment **selectio** use of the straight ball delivery, and scoring. For the inexperienced bowler.
Reason for proposal: To expand the activity program, particularly for men, in order to provide more opportunity for developing **skills** in lifetime sports activities.
- 536M, Beginning Gymnastics 1 q.h.
Prerequisites: None
Description: Beginning skills in basic tumbling, floor exercises, parallel bars, horizontal bar, side horse, vaulting, trampoline, and rings.
Reason for proposal: To expand the offerings in the activity program and provide the opportunity for learning skills in gymnastics that aid in development of body control, strength, timing and coordination.
- 538C, Intermediate Tennis 1 q.h.
Prerequisite: Beginning Tennis or equivalent.
Description: Intermediate to advanced skills and techniques of tennis with **emphasis** on strategy of game play.
Reasons for proposal: To provide the opportunity to put into practice skills learned in Beginning Tennis and to learn strategy and skills of game play.
- 539C, Intermediate Bowling 1 q.h.
Prerequisite: Beginning Bowling and/or 100 average
Description: Refinement of bowling skills and use of the hook delivery. Includes tournament planning, team strategy and competition.
Reasons for proposal: Provide the opportunity for developing bowling **skills** and knowledge beyond the beginning level.

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- 543W, Intermediate Gymnastics 1 q.h. **4**
Prerequisites: Health and Physical Education 536W or consent of teacher.
Description: Intermediate skills, compulsory routines and optional routines.
Reasons for proposal: To provide the opportunity to gain instruction and **improve** skills at the intermediate level and to put together beginning **skills** in routines.
- 650C, Life Saving Methods 3 q.h.
Prerequisite: Consent of instructor.
Description: Techniques of life-saving with American Red Cross methods as the basis of instruction. Upon satisfactory completion, Red **Cross** Senior Life Saving certification is granted.
Reason for proposal: To replace 650M and 650W.
- 750C, Water Safety Methods for Instructors 3 q.h.
Prerequisites: Current certification as Red Cross Senior Life Saver;
Description: Techniques of organizing and teaching swimming, diving, and life-saving activities. Red Cross instructor's certificate is **awarded** upon satisfactory completion.
Reason for proposal: To replace 750M and 750W.

Political Science

Delete

- 602, American State & Local Government 3 q.h.
750, Government & Politics-Africa 3 q.h.
801, Select Problems-Public Administration 3 q.h.

Change

- 600, Elements of Politics 3 q.h.
Description: **An** analytical approach to the study of political systems, with illustrations drawn from the American experience.
- 601, American National Government 3q.h.
Description: A general survey of American political structure and process at the national **level**, with emphasis on the constitutional order and the electoral system.
- 720, Public Administration 3 q.h.
Prerequisite: Political Science 601
Description: A study of administrative organizations in American federal and state governments, with special attention to their role in the formulation and implementation of public policy.
- 721, Urban Government 3 q.h.
Prerequisite: Political Science 601.
Description: An introductory study of the structure and politics of urban government with special attention to intergovernmental relationships.
The above four involve changes in description only, to reflect more accurately the substance of the course.
- 780, Political Thought I 3 q.h.
Prerequisite: Junior standing
Description: Political thought of the Greek period (**Plato**, **Aristot**)
- 781, Political Thought II 3 q.h.
Prerequisite: Junior standing
Description: Political thought of the medieval period and transition to modern (**Machiavelli** and **Bodin**)
- 782, Political Thought III 3 q.h.
Prerequisites: Junior standing

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Description: Political thought of the modern period, to mid-nineteenth century (to Marx).

783, Political Thought IV

3 q.h.

Prerequisites: Junior standing

Description: Political thought of the modern period, (from Marx to the present).

Each of the above four involves a change in wording from "Political Theories" to "Political Thought".

800, Select Problems, American

3 q.h.

840, Select Problems, Comparative

3 q.h.

860, Select Problems, International

3 q.h.

880, Select Problems, Political

3 q.h.

For each of the above four, Prerequisite is "Consent of instructor" and description "This course may be repeated **once**". Reason is to **allow** the honors student a second quarter, where a major research paper will be required.

New

706, Minority Group Politics

3 q.h.

Prerequisites: Political Science 601

Description: An analytic examination of the politics of minority groups within American society in terms of organization, behavior, objectives, relative influence and power. The politics of black America will be given particular attention.

707, Interest Group Politics

3 q.h.

Prerequisites: Political Science 601

Description: An analytic examination of the politics of special interests within American society in terms of organization, behavior, objectives, relative influence and power. Interests concerned primarily with governmental economic policy will be given special attention.

714, Public Opinion

3 q.h.

Prerequisites: Political Science 601.

Description: A descriptive and quantitative analysis of public opinion in terms of its origin and location, content, interpretation and effect, within the American political system.

718, American Public Policy

3 q.h.

Prerequisite: Political Science 601.

Description: An inquiry into the formulation and implementation of public policy in contemporary American society, with emphasis on the role of **government** in determining the public interest.

The above are courses, **commonly** included in political science listings, which will strengthen the program here in the current pattern of political science curriculums.

722, State & Local Government

3 q.h.

Prerequisite: Political Science 601.

Description: A study of the political processes and institutions of state and local governments, with special attention to the federal relationship.

Reason for proposal: To maintain consistency in the distinction between fundamental and specialized courses in the department; replaces Political Science 602.

Sociology

Delete

717, Anthropology: American Indian Cultures

3 q.h.

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898, Select Problems in Sociology & Anthropology

1-5

Prerequisite: Departmental major in senior year.

Description: Senior readings in sociology and anthropology dealing with selected current problems in theory and methods. Variable credit is given according to the nature and extensiveness of the problems and literature to be consulted. Intended for students planning to enter graduate school.

Reason for proposal: Expanding the major in sociology and anthropology in anticipation of a graduate department,