SENATE MINUTES YOUNGSTOWN STATE UNIVERSITY Friday, January 15, 1971

PRESENT: Mr. Smith, Mr. Livosky, Mr. Snyder, Mr. Rook, Mr. Sturm, Miss Boyer, Mr. Painter, Mrs. Painter, Mr. Richley, Mr. Yozwiak, Mr. Flad, Mr. Vogel, Mr. Tarantine, Mr. Luginbill, Mr. Koss, Mr. Beckman, Mr. Mavrigian, Mrs. Hotchkiss, Mr. Hotchkiss, Mr. Almond, Miss Feldmiller, Mr. Hurd, Mr. Fortunato, Mrs. Harris, Mr. Terlecki, Mr. Hankey, Mr. Jonas, Mr. Dobbert, Mr. Harris, Jr., Mr. Byo, Mr. Aurand, Mr. Swan, Mr. Ringer, Mr. Looby, Mrs. Niemi, Mr. Ives, Mr. Shipka, Mr. Greenman, Mr. Hahn, Mr. Crishon, Mr. Dennison, Mr. Hungerford, Mr. Simko, Miss Pfau, Mr. Hare, Mr. Miner, Mrs. Miner, Mr. R. Jones, Mr. Pejack, Mrs. Dykema, Sister M. Conroy, Miss Sterenberg, Mr. Foster, Mr. Henkel, Mrs. Budge, Mr. Steele, Mr. Hill, Mr. Vanaman, Mr. Satre, Mr. Roberts, Mr. Behen, Miss Boggess, Mr. Fukui, Mr. Letchworth, Mrs. Turner, Mrs. Foley, Mr. D'Isa, Mr. Ward, Mr. Filatovs, Mr. Kramer, Mr. Cernica, Mr. Ahmed, Mr. Williamson, Mr. Paraska, Mr. Sorokach, Mr. Kiriazis, Mr. Blue, Mr. Earnhart, Miss DeCapita, Miss Jenkins, Vice President Coffelt and Vice President Edgar.

PRESIDING: VICE PRESIDENT EARL E. EDGAR TIME: 4:00 p.m. (ES AUDIT.)

Vice President Earl E. Edgar presided at the Senate meeting of January 15 since President Pugsley was out of town.

Vice President Edgar called for approval of the minutes of the previous Senate meeting (Friday, January 8, 1971). There being no corrections or modifications the minutes were declared approved as distributed.

CONTINUATION OF REPORT OF CONSTITUTION AND BYLAWS COMMITTEE:

This report was made by the Chairman, Dr. Philip J. Hahn.

The Board of Trustees next meeting will be in April. It might be we would have to change the election to May.

COMMENT:

1) Isn't it possible for the Board of Trustees to convene in extra session?

<u>Dr. Hahn</u>: This decision does not reside in the Constitution and Bylaws **Committee**. It resides in others. Suggest we pursue on our own rules.

2) Is it not possible though? Could they be petitioned to meet?
 Dr. Hahn: Does not know. Feels our awn rules could govern the situation.

<u>SENATE MINUTES CONT'D.</u>: (Friday, January 15, 1971) <u>CONTINUATION OF REPORT OF CONSTITUTION AND BYLAWS COMMITTEE</u>: (Dr. Hahn)

Dr. Hahn stated the Constitution and Bylaws Committee wished to bring Mr. Livosky's Motion (from meeting of January 8, which was referred to the Constitution and Bylaws Committee for further study) back to the floor. This was as follows:

> At meeting of Friday, January 8, 1971 Mr. Livosky moved the following Amendment be adopted:

There shall be elected from the administrative staff five (5) members who have the right to vote. Seconded.

<u>Dr. Hahn stated</u>: The Committee wants the Senate to consider the Motion.

<u>Mr. Livosky restated this</u>: This is an Amendment to add subsection "g" to Article III, Section 2: There shall be elected from the professional administrative staff five (5) members who have the right to vote. Seconded.

DISCUSSION:

1) Miss Sterenberg, a member of the Constitution and Bylaws Committee commented:

The Senate has the right to hear what the Constitution and Bylaws Committee thought about Mr. Livosky's Motion.

<u>Dr. Hahn</u>: Mr. Livosky's point was regarding administrative functions such as those under the supervision of the Vice President for Administrative Affairs and Vice President for Financial Affairs.

> If this Motion of Mr. Livosky's is defeated the Constitution and Bylaws Committee have an alternative.

This alternative is: That members of the Staff who have faculty rank shall be subject to election to the Senate who have been in the School of affiliation in the year following a teaching appointment.

Mr. Livosky's Motion would involve us in a popularity contest and we might not get members we need (who are Dean of Student Affairs, and the Dean of Admissions and Records).

Committees that work with Dean of Student Affairs are Committees that are"A and B" and also matters brought before the Senate.

<u>SENATE MINUTES CONT'D.</u>: (Friday, January 15, 1971) <u>CONTINUATION OF REPORT ON CONSTITUTION AND BYLAWS COMMITTEE:</u>(Dr. Hahn)

<u>Dr. Hahn cont'd.</u>: The Constitution and Bylaws Committee never said we should not have the Dean of Student Affairs and Dean of Admissions and Records on the Senate.

> We are seeking to resolve this matter. Therefore, we are asking that Mr. Livosky's Motion be defeated.

- 2) <u>Mr. Rook:</u> As others are affected by actions of the Senate, finances are affected. Any action taken in the Senate affects Budgets and all financial affairs of the University.
- 3) <u>Mr. Livosky</u>: There is a mistaken idea, Dr. Hahn. My point in recommending my Motion was a basic concern to involve the entire academic community. Practically everything you do in the Senate affects the Admissions Office. Everything we do is academically involved. The broad aspect of the academic community would be broadened by my Motion. As to a popularity contest: this would happen even with any group of faculty to be elected.
- <u>Dr. Hahn</u>: Would not be good to have someone elected when his superior wasn't.
- 4) Mr. Rook: I must face my staff too. They are very concerned.
- <u>Dr. Hahn</u>: We must go by representation. The ratio was taken into account by the Constitution and Bylaws Committee. Still thinks this Motion should be defeated.
- 5) The Motion you mentioned Dr. Hahn would add two (2) administrative persons, This would make 13 administrative persons and fourteen (14) students. However, I am not superstitious.
- 6) Need the benefits of Mr. Rook, his staff and their expertise. But most of these recommendations are made in Committees. Those Committee members could certainly request information needed from these financial officers and certainly should do So,
- 7) In favor of Mr. Livosky's Motion. Certain people on administrative staff share our concern for the students and keeping the University going day-by-day.
- 8) Miss Sterenberg (member of the Committee): It is only fair to point out that the Committee in its discussion of Mr. Livosky's proposal decided unanimously that that staff was adequately represented in what was included in the Revised Constitution.

SENATE MINUTES CONT'D.: (Friday, January 15, 1971) CONTINUATION OF REPORT OF CONSTITUTION AND BYLAWS COMMITTEE: (Dr. Hahn)

8) Miss Sterenberg cont'd.: Dr. Hahn spoke with Mr. Livosky and others by phone --- we did include in our proposal in the Constitution Item (e), Article III, Section 2 - that Full Service members of the faculty and/or administration may attend Senate meetings and upon recognition of the Chair may speak on appropriate issues.

This group of administrators would be electing more than half of themselves. We thought the balance we had for representation was adequate.

- 9) <u>Dean Painter</u>: If this Motion that Mr. Livosky made and the alternative one Dr. Hahn mentioned --- there will be a large group not eligible. We would like to have the opportunity to at least run.
- 10) What does the (5) represent? Five (5) is a total of how many?

Dr. Hahn: What does Mr. Livosky mean by professional staff?

Mr. Livosky: Those covered by contract and not Civil Service.

- 11) Miss Sterenberg: Ten (10) additional staff members.
- 12) Addressed to Dr. Jonas: How many are there?

Dr. Jonas: Probably 38 or 40.

- 13) Direct our thinking back to the Proposal brought in by the Constitution and Bylaws Committee. Many people have given many hours of time and thought to this document, Thinks Mr. Livosky's proposal a hasty idea; an unwise idea. Consider the original proposal. Defeat Mr. Livosky's proposal and also Dr. Hahn's alternative motion.
- 14) <u>Dr. Behen</u> (member of the Committee): Does not speak for or against Dr. Hahn or Mr. Livosky. Wanted to speak on behalf of the Senate, Have thought more about Mr. Livosky's proposal and what is involved in it. Committee unanimously was opposed to Mr. Livosky's proposal in the way in which it was brought. We provided a representation. It might be well to add the two (2) administrators that Dr. Hahn mentioned but am not sure.
 - <u>Dr. Hahn</u>: The practice in Ohio Senates that exists does not include the election of administrative staff to the Senate, although we do not have to follow the same pattern, necessarily. Really believe we should bring into the Senate those functionaries who can perform the functions.

SENATE MINUTES CONT'D.: (Friday, January 15, 1971)

CONTINUATION OF REPORT OF CONSTITUTION AND BYLAWS COMMITTEE: (Dr. Hahn) DISCUSSION CONT'D.:

- 15) Sees the new Senate as one of many elected representatives and few ex-officio. There is something to be gained by having more elected officials. Elected versus ex-officio is the new spirit reflected by the Revised Constitution.
- 16) How many are disenfranchised now?
- 17) Dr. Jonas replied: Not sure who would be included in this group-
- 18) Under the Constitution as it is now there are 21 who are loosely labeled as administrative. Is that correct3

Dr. Hahn: Take 20 and subtract 11 would be 9.

19) Maybe we are not moving far enough toward representation.

20) Defeat Mr. Livosky's Motion. Seems that if you have someone ex-officio he has certain kinds of information, understanding and qualifications, etc. You elect people when they have no special qualifications. Some people are concerned about administrators, ex-officio going to outnumber the faculty. Kicking out the ex-officio is insane; add faculty so that exofficio will not outnumber them.

21) Smaller body can function better.

QUESTION CALLED FOR. (This was Mr. Livosky's Amendment restated here)

There shall be elected from the professional administrative staff five (5) members who have the right to vote. Seconded. NO'S HAVE IT. AMENDMENT DEFEATED.

<u>MOTION</u>: Dr. Greenman moved that all present ex-officio members of the Senate, with the exception of Department Chairmen, be retained in the Senate. Seconded.

Dr. Hare: Point of order.

We have already voted on who is to be ex-officio members. Can we revote on something that has already been voted on?

<u>Parliamentarian (Mrs. Dykema</u>): Add to it. Would say if we wish to entertain a new group of people from another School it would be legitimate, The fact that we have considered and passed the inclusion of a certain number of ex-officio members does not seem to rule out adding to it if the majority prevails, providing the minority not being kicked about.

SENATE MINUTES CONT'D.: (Friday, January 15, 1971) CONTINUATION OF REPORT OF CONSTITUTION AND BYLAWS COMMITTEE: (Dr. Hahn)

<u>Mr. Foster</u> (Member of the Committee): What we find expressed on the floor of the Senate today are contrasting views of why one is here.

If one ought to be here because he has special knowledge about something, then we are back where we were before **for** Department Chairmen should be here, etc., **Dean** of Records, Dean of Student Affairs, etc.

Faculty **are** elected by popular vote. They are supposed to represent our thinking.

Why are we here as membera of the Senate? The Constitution and Bylaws Committee felt those ex-officio most knowledgable about activities, could represent all facets of the University. If functions should be represented then they all should be there; then Department Chairmen should all be on it, The Senate then gets unwieldy.

If it is by function then let it be by function, if it is a matter of representation, let it be that,

<u>Dean Paraska</u>: At the last Senate meeting some uncertainty about one of the Articles we adopted. Speaking specifically of the distribution of the election of Senate members from the faculty.

The Administrative people would be arrived at by certain procedure; we indicated the students to be elected (so many from each School), Then the faculty (so many from Arts and Sciences, etc.).

I believe this whole document has not been **studied** as well as it should be, Would be glad to help the Committee in arriving at a representation of the faculty.

Since we have already accepted the fact that it is not going to be taken immediately to the Board of Trustees, **Dean** Paraska feels it should have more study.

He stated he is not trying to exclude faculty; but if we pursue with haste we will rue what we do,

MOTION: Dean Paraska moved the whole package (The Revised constitution) be referred back to committee. Seconded,

RULED OUT OF ORDER AT THIS POINT.

- 22) Against Dr. Greenman's Amendment. Elected members can see and vote in terms of general and best interest of all; elected number should far exceed the ex-officio. We have great numbers of ex-officio at present. Should be limited,
- 23) <u>Directed to Dr. Greenman</u>: Concerning ex-officio members. Does this include the practice of the President appointing who is to be ex-officio?
 - Ans. by Dr. Greenman: There is some principal in terms of which people are appointed ex-officio. Would like to have the **principle** stated. Does not want the Senate loaded with ex-officio. This should be **offset** by having enough **elected** faculty members.

<u>SENATE MINUTES CONT'D</u>.: (Friday, January 15, 1971) CONTINUATION OF REPORT OF CONSTITUTION AND BYLAWS COMMITTEE: (Dr. Hahn)

QUESTION CALLED FOR: (ON DR. GREENMAN'S AMENDMENT RESTATED HERE),

That all present ex-officio members of the Senate, with the exception of Department **Chairmen**, be retained in the Senate. Seconded, NOS HAVE IT,

<u>Dean Paraska</u>: Moved the whole package (Revised Constitution) be referred to the Committee for further **study**. Seconded.

<u>Dr. Hahn</u>: Speaking to this Motion of Dean **Paraska's**. The Constitution and Bylaws Committee has deliberated long and hard on Proposal, Taken into account opinion of many,

Dean Paraska has not taken this into consideration.

Dean Paraska: Point of order, Dr. Hahn. Dean Paraska stated he did not rise rebutting comments made, He is willing to go along with some things. But thinks what the Committee has proposed could be improved upon. Improve the Article on how Faculty Senate is picked. Believes it could be stated in general terms so that when a new College is added would not have to go before Board of Trustees for approval,

- <u>Dr. Hahn</u>: This matter was dealt with when this document was put together,
- Mr. Livosky: Point of order, Dr. Hahn

<u>Parliamentarian (Mrs. Dykema)</u>: Feels Dean Paraska's Motion out of order until the second step is taken up: this is at the point of adopting Revised Constitution.
The whole Motion is out of order until the whole package comes up for a vote,

- <u>Dr. Hahn</u>: Staff: Moved to add editorially Dean of Student Affairs and Dean of Admissions and Records. Seconded. <u>NOS HAVE IT</u>.
- 24) Against this Motion.

 Mr. Livoskv: This entire package should go back to the Committee, We are in this predicament because of expediency. As a result of expediency we try these other ways.
 We are acting upon Amendments to the Constitution and Bylaws, We are going through the back door.
 Mr. Livosky read from Robert's Rules of Order. Thinks these are Amendments and not main Motions. Thinks the Committee should do more work. Committee has a charge to look at another viewpoint, (CONT'D. NEXT PAGE) - 8 -

SENATE MINUTES CONT'D.: (Friday, January 15, 1971) CONTINUATION OF CONSTITUTION AND BYLAWS COMMITTEE REPORT: (Dr. Hahn)

- <u>Dr. Hahn</u>: We would never be able to get anything through the back door.
- <u>Dr. Behen</u>: Point of order, Dr. Hahn. The Parliamentarian has made a ruling and it has been challenged, The next procedure is to take the sentiment of the Senate,
- Mr. Livosky: Point of order.
- Dr. Behen: Parliamentarian has made a ruling and Chair has ruled.
- Parliamentarian (Mrs. Dykema): Ruling was based on timing to Committee. That it should come when the entire package came up for vote. Chair (Dr. Edgar) upheld ruling of parliamentarian.
 - MOTION: Dr. Hahn moved on behalf of the constitution and Bylaws Committee the adoption of Article III, Section 2, (a), (b), (c), (d), (e), (f), of the Revised Constitution and Bylaws with revised Amendments as retained, Seconded.
 - <u>MOTION</u>: Dean Paraska moved this whole package (Revised Constitution) be referred to the constitution and Bylaws **Committee** for further study. Seconded.
- <u>Dr. Hahn</u>: We have already adopted each of the Sections. Now you want to refer it back to **Committee**.
- <u>Dean Paraska</u>: The one Article that specifically relates on how we determine the representation of the elected members. So many from this School, etc. That same Article can be worded in such a manner that if a new College created this item does not have to go to the Board of Trustees for approval; also the administrative representation needs to be gone over again.
- 25) Does not think we can design a Constitution that will please every one. We must be open to changes when exigencies arise. This Committee had publicized the Open Hearings. Took time out of my busy schedule and attended, No member of the administrative staff there (at least he did not see any). Suggest we adopt the Proposal as it is. Defeat Dean Paraska's Motion,

<u>SENATE MINUTES CONT'D</u>.: (Friday, January 15, 1971) CONTINUATION OF REPORT OF CONSTITUTION AND BYLAWS COMMITTEE: (Dr. Hahn)

Dr. Behen: Speaking in opposition to Dean Paraska's Motion.

Essentially in favor of Revised Constitution as it now comes before Senate. The Committee was well aware there was dissatisfaction on the way it now exists. All members of the Senate well aware as to what the general areas of **dissatisfaction** were.

The Committee has done what it felt needed to be done. Held four (4) open hearings. Conferred with the president and many other people in an attempt to find what the Senate and the faculty wanted in the way of a Senate,

Worked hard to come as near to it as they could. Mr. Foster has said we are aware of certain things. Dr. Behen stated this is not a perfect Constitution. It certainly is not the Constitution that would have been written as a single member of the Committee would have written it. This is impossible to accomplish. This has not been done hastily. Worked on this for a year and a half.

We have taken this point by point on the Senate floor. Tried to make this as just and equitable as possible, and as feasible and workable **as** we **could**. This is the best we could determine as to the kind of Senate the faculty wanted. We tried to correct those inefficiences that exist. Does not claim that the Committee has done so completely. We believe we have a good Proposal.

Dr, **Behen** stated he really doubts that a Committee or any other Committee would come up with any Constitution closer to the desires of the entire Senate and faculty than this **Pro**posal. Urges adoption of the package.

<u>Dr. Hahn</u>: The Committee has never taken offense to what anyone has said and does not intend to do so.

- 26) Realizes the Committee worked long and hard.
 - Does not think this package represents the thinking of the entire group. Attended the hearings. No one came to poll this faculty member ahead of time regarding the Constitution. Feels this should be postponed for more study.

<u>QUESTION CALLED FOR</u>: To refer entire package (Revised Constitution) back to Constitution and Bylaws Committee for further study. Seconded. IN FAVOR: 37. NAY: 39.

At this point a Roll Call vote was asked for. The Secretary called the Roll.

<u>RESULT</u>: IN FAVOR: 39. <u>NAY</u>: 41, PRESENT (abstaining): 2. NAY'S HAVE IT.

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<u>SENATE MINUTES CONT'D.</u>: (Friday, January 15, 1971) CONTINUATION OF CONSTITUTION AND BYLAWS COMMITTEE REPORT: (Dr. Hahn)

- 27) <u>Dean Aurand</u>: Dismayed in a sense. Has been away from the University for a couple years working on Doctorate. The Senate must provide a good effective body. It is a serious matter, We should move toward more equal representation.
 - <u>Dr. Hahn</u>: This Motion (to adopt Revised Constitution) is subject to Amendment, if there is something else. If this passes it does not mean it is adopted. There is still a vote by closed mail ballot.
 - <u>Dr. Hahn:</u> Dr. Hahn moved to adopt the Revised Constitution as amended in the previous actions of this Senate. Seconded. AYES HAVE IT.
- 28) <u>Dr. Pfau</u>: Expressed a vote of thanks to the Constitution and Bylaws Committee for their careful consideration of a complicated question.

Respectfully submitted,

VERA JENKINS Secretary of the Senate

YOUNGSTOWN STATE UNIVERSITY SENATE MEETING January 15, 1971 Friday, Elapsio. IN ATTENDANCE: leck Robert Kometh Tejack dwin R. 2 work 1 (mald A-Dollart an pë. Coffell-Heilder 2 1 Bayer alyde G. Fainte Edito Faintes Victor A. R. ichley 15 Clipsqueak Im. S. Flada Esther Veprod E. Lion ours a Ahipka + larantine Tiank? HG Svenman Buill & Fingande L. Koso Paul Beckman Cush Dar Gus MANRIGIAN Phil Deinnison LARRY SIMKD Saily Hotchkizo Sarford N. Hotchkin Margant & Man Garge K. Almond the hort N. Hare Dayian Feldwelle,) France Z. Miner Kan Mund Hielma D. Minor all Joy Went

YOUNGSTOWN STATE UNIVERSITY SENATE MEETING Friday, January 15, 1971

IN ATTENDANCE CONT'D. :

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Approved and passed at today's 2 - 5 - 71. This Report delayed until today. ng. REPORT TO SENATE Therefore January 15, 1971 Lecy of Linote Senate meeting. V. Jenking The following changes have been approved by the Curriculum Committee of the appropriate school and the University Curriculum Committee, and are being submittee to the University Senate for its consideration: SCHOOL OF EDUCATION Foundations of Education Delete: 829 - Audio-Visual Education 4 q.h. Add: 873 - Comparative Eaucation 3 q.h. Prerequisite: Admission to Upper Division Status in the School of Education A survey of the national school systems of selected foreign Description: countries to facilitate comparisons with the 9.5. structure As an elective for students who need elective hours in Education Reason: 874 - Audio-Visual Media 4 a.h. Prerequisite: Admission to Upper Division Status in the School of Education Education 874 - Audio-Visual Media. A synthesis of the theory, Description: practice, and values of communicating with audio-visual media. Demonstrations utilizing filmstrips, slides, audio tapes, overhead transparencies, motion pictures, opaque visuals, graphics, models, displays, and closed circuit television. Laboratory experiences in the preparation of materials and the use of modern media in teaching. Elective. Course description and number has been changed to make it suitable Reason: as a swing-course for graduate and upper-division undergraduate students. **875, 876, 877** - Seminar in Foundations of Education 1-4 q.h. Prerequisite: Admission to Upper Division Status in the School of each(Max. of 15) Education Description: Various topics of current interest in the Foundations area selected by the staff. To provide the possibility of offering courses on topics of Reason: current concern without having to create a new course each time. (It is often impossible to offer a course because it wasn't conceived far enough in advance to be entered in the catalog of courses for State subsidy). SCHOOL OF ENGINEERING Each department of this school has reorganized its curriculum by deleting, combining and adding courses. The reasons for these changes are to (1) reduce the number of hours required for the major, (2) provide more appropriate service courses for the non-major, (3) modernize the curriculum and, (4) wherever appropriate, to provide a 4 q.h. course in accordance with Senate recommendations. Chemical Engineering Delete: 3 q.h. 681 - Industrial Stoichiometry 685 - Corrosion Control Engineering 3 q.h. 686 - Industrial Waste Control 3 q.h. Mew or Changed: 681 R - Industrial Stoichionetry 4 g.h. Prerequisite Mathematics 572, Chemistry 516 Description - To aid the non-chemical engineer to organize, evaluate, and effectively utilize the information inherent in chemically stoichiometric relationships as they apply to actual plant situations. 685 R - Corrosion Control Engineering 4 q.h. Prerequisite = Mathematics 673, Chemistry 517, or Ch. E. 681 R Description - Introduction to electrochemical mechanism and theory of corrosion, engineering practices and criteria for both anodic and cathodic control by anodic

rectification. Theory and engineering practises in the use of inhibitors.

2-5-71. This report delayed until today. Approved and passed at today,'s Senate meeting. U. Jenking Recy yleni 686R - Industrial Pollution Control Prerequisite - Mathematics 673, Chemistry 517, or Ch.E. 681 R **Description** introduction to modern methods for waste control in chemical operations including filtration, ejector aeration, deep well disposal, active sludge treatment and disposal, instrumental analytical control methods, and current approach to waste education and program formulation. 3 a.h. 687 - Elementary Nuclear Reactor Engineering Prerequisite - Bathematics 674, Physics 603, Chemical Engineer. 681R, or Chemistry 517 Description - Basic engineering science to serve background material for nuclear reactor design, Nuclear fission as an energy source. Reactor use and classification. Comprehensive discussion of reactor design problems such as neutron distribution in the core, type of moderator, heat removal and radiation protection. 886 - Nuclear Readror Design 4 g.h. Prerequisite Chemical Engineering 637 Description - The steady state reactor core; four factor equation, resonance escape probability, neutron flux distribution in various gcometfics, two-group and multigroup theories. Transient reactor behavior and control; effect of delayed neutrons, fission product poisoning. Nuclear fuels. Nuclear heat transfer and burnout problems. Reactor economy; fuel burn up and power cost. **Thermal** breeder and fast reactors. Neuron flux distribution measurements. Radiation detection and monitoring. Civil Engineering Delete: All courses presently in curriculum except 848 (previously deleted) and 860. 861, 362, Thesis (to be retained). New or Changed: 601 - Mechanics 4 q.h. Prerequisite - Math 572 Description = Principles of mechanics as applied to statics with vector applications to resultants of forces, centroids & centers of gravity, distributed loads, equilibrium, and friction. 602 - Mechanics II 4 a.h. Prerequisite - CE 601 Description - Moments of inertia of areas & masses, and methods of virtual work and energy. Elementary theory and relationships between load, stress and strain in tension, compression, torsion and bending. Combined stresses in members. 4 a.h. 603 Mechanics III Prerequisite CE 602 Description Deflection of beams, indeterminate beam analysis, column theory and connections. Experimental verification of theories of strength of materials. 5 g.h. 710 Surveying 1 Prerequisite - Math 572, ME 503 Description - The theory of surveying and the use of instruments. Problems in leveling, traversing, and topography. Introduction to circular curves, spirals, and vertical curves. Course includes a laboratory to acquaint the student with field surveying principles and techniques. 711 Surveying II 4 g.h. Prerequisite - CE 710 Description • A study involving the location, design, and construction of transportation systems, including route selection, horizontal and vertial alignment, earthwork calculations and layout. Course includes a laboratory to illustrate the field and office techniques used in route location, mapping and

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layout.

Description -717 Prerequisite - NE 641 or concurrent; 1E 602 Description - A study of the laws of fluid mechanics and their application as applied to incompressible flow; properties of fluids; fluid statics; kinematics and kinetics of one dimensional flow; impulse-momentum; and viscous flow in pipes. Course includes a laboratory to illustrate the fluid mechanics principles 716 Prerequisite - 749 Description - Analysis of statically indeterminate beams, trusses, bents and multistory frames, utilizing concepts of strain energy, virtual work, slope-deflection and moment distribution. Introduction to matrix methods of analy 835 834 - Environmental Engineering 1 4 q.h. Prerequisite - Cham 516 Description - A study of the elements of water purification systems and sewage treatment plants, including discussions of physical, chemicsl, and biological treatment processes. Laboratory studies are used to demonstrate certain aspects 81 018 determinate beams, frames and trusses. Consideration wind loads. Elastic deflections of simple structures. principles to open and closed channel flow, distribution, systems, storage re-quirements, economics, extreme value theory, and basic concepts of hydraulic 849 Laboratory provided for the design, proportioning, preparation, and testing of various paving mixtures. pavements to include investigation, testing, and preparation of subgrade, base course materials and selection, and characteristics of various pavement mixtures speeds, volumes, intersection operations, and signalization. planning and supervision. Description - Principles of highway and traffic engineering, to include administration, economic studies, finance, highway design standards, traffic characteristics, accidents, traffic studies, signalization, traffic markings methods. analysis of statically indeterminate structures using numerical and energy Prerequisite structures. Prerequisite -2-5-71. using force and displacement methods. discussions on air pollution control, industrial waste treatment, and selected Prerequisite + of water Description Prerequisite and markers, highway capacity, long range and route planning, and construction planning and supervision. Laboratory provided for field studies of traffic Prerequisite -Description 749 - Structural Analysis I topics in public health. Description incompressible fluids. - Transportation II - Hydraulie Engineering - Environmental Engineering it ŧ - Structural Analysis II - Transportation 1 Fluid Mechanics chemistry. This - Design methods for flexible, rigid, and other wheel-supporting A study of certain aspects of environmental problems; including - The determination of shears, moments and stresses in statically CE 603 Civil Engineering application of fundamental fluid mechanics CE 716 CE 810 CE 710 749 report delayed until today. Consideration of dead, live, moving and تعا Approved and passed at Senate meeting. introduction to the analysis and 4 g.n. 4 q.h. de e 4 q.h. 4 q.h. 4 q.h. 5 **q.h**. 4 q.h. today's

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2-5-71. This report delayed until today. Approved and passed at toda 's U. Jehn y jeno Senate meeting. 4 853 - Design I Prerequisite CE 849 Description - An introduction to the design of reinforced concrete and structural steel. Included are the design of beamg, columsn, footings and connections. 854 - Design 11 4 a.h. Prereguisite - CE 853 Oescription • The application of structural analysis theory to the design of reinforced concrete and steel structures including beams, girders, slabs, walls, frames and truss members, in accordance with assigned specifications, for elastic and ultimate strength (plastic) design. 873 - Transportation III 4 g.h. Prerequisite - CE 311 Description - Comprehensive transportation planning based on engineering and urban planning principles. Studies of existing and anticipated population, land use, economic base, travel characteristics, and transportation networks are in-Network design is based on the level of service concept. cluded. 875 - Hydrology 4 g.h. Prerequisite CE 717 Description • A study of the properties, distribution and behavior of water in nature as it appears In its three forms: precipitation, surface water, and subsurface water. 877 - Systems Engineering 4 q.h. Prerequisite - Math 710 Description - System approach to engineering design and operations involving deterministic and probabilistic models; linear programming, critical path scheduling and competitive strategies and their application to construction planning and other engineering problems. 879 - Civil Engineering Analysis 4 g.h. Prerequisite = CE 854 Description - Application of methematical and numerical methods to the systematic analysis and development of problems in the field of civil engineering. 880 - Advanced Structural Analysis 4 g.h. Prerequisite = CE 849 Description - Matrix formulation and solution of complex structural problems; force and displacement methods using flexibility and stiffness-coefficient matrices. 881 - Scil Mechanics 4 a.h. Prerequisite = Math 674; CE 743 Description - Properties of soil, classification: capillarity, permeability, stress and strain, consolidation and compressibility, seepage. The laboratory includes typical procedures and physical testing of soil samples. 4 g/h. 882 - Soil & Foundation Engineering Preréquisite - CE 821 Description - Analysis and design of foundation structures: retaining walls, abutments, piers, piles, and footings; bearing pressures, movements and stability including embankments. Eletrical Engineering Delete: All courses presently in curriculum excpet 801, 802, 803, Thesis: 817, Control Analysis, and 820; Modern Control Theory

2-5-71. This report delayed until today. Approved and passed at 5 Senate meeting. New or Changed: *700, 701R, 702R, -Circuit Analysis I, 11, ill Prerequisite = EE 714R or EE 715R Description: - Kirchhoff's Laws, interconnection diagrams, topology, Linear algebraic equations, matrix algebra of networks, cut sets, 2-port parameters, tree and loop models. Laplace transform, matrix solution of simultaneous differential equations and state solutions, inductive 2-ports. Fourier techniques, Each class consists of 3 hrs. of class and 3 hrs of laboratory. 703R - Control Analysis I 4 a.h. Prerequisite - EE 702R Description - Continuous-Time Systems, discrete-Time Systems, state variables, classical and state variable compensation. 3 hrs of lecture and 3 hrs of laboratcry. ' c.h. 704R - Fleid Theory Prerequisite = Physics 603 - Math 709 - Conc. Math 710 Description - Vector relations, static electric fields, dielectric materiats, boundary conditions, field mapping, steady electric currents and their magnetic fields, motion of charged particles. 3 hrs. lecture and 3 hrs. laboratory. 4 a.h. 705R - Field Theory 11 Preveguisite - EE 704R Description - Ferromagnetic materials, **time** changing electric and magnetic fields, Maxwell's equation, relations, between field and circuit theory, plane waves, poynting vector energy relations, boundary value problems. 3 hrs. lecture and 3 hrs. iaboratory. 706R · Transmission 6 Propagation 4 a.h. Prevenuisite - EE 705R **Desc.** ption - General transmission theory, infinite line, terminated line, impedance transformation, waveguide; simple antenna systems, group and phase. velocity, impedance of waveguide. 3 hrs. lecture and 3 hrs. laboratory 4 ...h. 707R - Physical Electronics Prerequisite = EE 700 - Conc: EE 704R Description - Physical theory of electron devices; terminal characteristics large and small signal analysis of electron devices as circuit components; applications to rectification and to amplification; equivalent circuits. 3 hrs. lecture and 3 hrs laboratory. 4 a.h. 708). - Electronic Circuit Theory 11 Frereguisite - EE 707R Description - Transistor amplifier models, feed back analysis, stability, frequency characteristics, transient and steady state analysis of electronic devices and circuits. Coupled amplifiers. 4 a.h. 709R - Communications Systems Prerequisite - 708R Description - Signal analysis. Power density spectra. Communications Systems: amplitude modulation, angle modulation, pulse modulation systems. Introduction information transmission. 3 hrs. of lecture and 3 hrs. of laboratory. 4 c.h. 7)4R - Circuits & Electronics i requisite - Physics 602 - Math 709 **Caription** - Basic Circuit analysis; steady state circuit analysis, electric vatworks, transient response, passive network and transfer functions. Electronic cuits; diodes and power conversion, tube and transistor models, linear adivalent circuit, special amplifier circuits wave shaping and instrumentation.

2-5-71. This report delayed until today. Approved and passed at tod y's 6 Senate meeting. ι ατ τοαay's V. Jerkins **715R** - Electrical Devices 4 q.h. Lefy Prereouisite - Physics 602 - Math. 709 Description - Introduction to the basic principles of analysis of electromechanical devices, study of automatic feedback control, instrumentation, and analog computers. 800 Seminar 4 a. 5. Prerequisite - Senior Standing Description - Special Topics, new developments. 805R • Quantum Electronics 4 a h Prerequisite - EE 706R, - EE 708R - Met, E. 650 Description - Electronic energy levels in quantum electronic devices; energy transistions in crystalline and gaseous media. Applications to semiconductors, masers, and lasers. 4 g.h. 807R - Pulse, Digital & Switching Circuits Prerequisite - EE 708R - EE 702R Description - The generation and processing of non-sinusoidal waveforms in active and passive devices and circuits. (Pulse, digital and switching waveforms.) 4 g.h. 808R Electronic Circuits Signals & Systems Prerequisite - EE 709R Description: • A continuation of Electrical Engineering 709R with emphasis on problems arising from communications and electronics areas. **Correlation** of classical differential equations approach to time and frequency domain interrelationships with Fourier and Laplace methods, and applications of these concepts to problems in communications and control arts. Numerical methods, including impulse-train techniques. *810R, 811R - Electrical Energy Conversion I & II 4 + 4 a.h.Prerequisite: or conc: EE 705R Description: - 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. 4 g.h. 812R - Molecular Engineering Prereguisite - EE 706R - ME 641 - Met. E. 650 Description - Treatment of materials of electrical engineering in terms of atomic, nuclear, and molecular phenomena, interaction between electromagnetic fields and materials; classical treatment and quantum effects; particle statistics in thermal equilibrium. Conduction in metals, semiconductors, and superconductors; electric and magnetic polarization; ferroelectricity and ferromagnetism; electromechanical and magnetic mechanical effects; influence of material properties on energy storage, conversion, and control. 4 g.h. **813R** - Logic Circuit Theory Prtrequisite - EE 709R Description - Synthesis of switching circuits using Boolean Algebra, coding, sequential switching circuits. 3 hrs. lecture and 3 hrs. laboratory. 815R - Energy Radiation & Propagation 4 g.h. rierequisite = EE 705R Description - Dipole, loop, aperture, reflector, lens, surface wave and other a: tenna; array theory; radiation resistence, directivity and input impedance, traveling wave antennas. 3 hrs. lecture and 3 hrs. laboratory. 8 9R Plasma Dynamics 4 a.h. Prerequisite - ÉE 706R - ME 641 Met E 650 Description - Plasma kinetic theory; charged particle interaction; waves tin plasma; plasma oscillation; magnetic fluid dynamics; plasma gyrations.

2-5-71. This report delayed until *H*oday. Approved and passed at todayⁱs Senate meeting. 850 - Communicarions Systems II 4 q.h. de cyspen Prerequisite = EE 709R Description = Signal detection in noise. Averages, sampling, spectral analysis, shot noise, the Gaussian process, linear systems, hoise figures, optimum linear systems, nonlinear devices. The direct method. Nonlinear Devices: the transform method, detection of signals. Industrial Engineering Delete: All courses presently in curriculum except 711, Methods 1; 712, Methods 11; 721, Job Analysis & Evaluation; 824, Engineering Economy; 825, Advanced Engineering Economy, and **841**, 842, 843, Thesis. New or Changed: 4 g.h. 642 - Engineering Computations Prerequisite - Concurrent Math. 674 and Physics 510 Description - Flow diagramming and problem layout, of elementary Engineering problems. Solutions will be obtained when possible using programmable desk calculators. Fortran language will be employed to solve a wider variety of more complex engineering problems on a digital computer. 700 - Industrial organization and Managements 4 g.h. Prerequisite • or Concurrent Math 740 Description - The general principles of industrial organization and management. 800 - Production Planning & Control 4 **g.h**. Prerequisite - IE 700 Description • The fundamentals and techniques of planning and control required in the coordination of product engineering, production engineering, material control, expediting, purchasing, scheduling, and dispatching, Plant capacity and plant layout. 5 q.h. 820 - Quaity Control Prerequisite - or Concurrent Math. 741 Description - Objective of statistical quality control in manufacturing through sampling methods. Control charts for variables, attributes, and defects per unit. A statistical approach to acceptance procedures. Applications of statistical quality control to various types of manufacturing operations. 5 a.h. 827 - Industrial Engineering Analysis Prerequisites - IE 602, Math. 741, Math 709 Description - The use of algorithmic and **Simulation** languages in the solution of complex engineering problems. Intended to provide background and techniques for the solutions of such problems numerically. Deterministic models of linear and nonlinear systems will be considered. Simulation of inventory, queueing and material handling systems will be examined. 4 g.h. 850 - Introduction to Operations Research Prerequisite - IE 700, Math, 741 Description - An introduction to the techniques used in operations research in the formulation of deterministic models used in the analysis of various industrial engineering problems. Inventory, scheduling, queueing, replacement, transportation and assignment models will be considered, 4 g.h. 851 - Linear Programming Prerequisite - IE 700 Description - Model formulation and the development of algorithms for the solution of linear type problems encountered in Industrial Engineering. The Simplex technique, revised Simplex technique, duality, and degeneracy will be considered. Decomposition techniques will be introduced. This This department has also submitted a new program in Management Engineering. curriculum is composed of existing courses in the Schools of Engineering and of

Business and has been approved by both School Curriculum Committees, as well as the

University Committee. (See page 8)

2-5-71. This repor	t del	ayed until today. 8	Approved Senate	and passed at toda a meeting. \mathcal{U}	y's		
3 Senate meeting. U. Jeuliun MANAGEMENT ENGINEERING CURRICULUM							
First Year							
Math 571 Calculus I Physics 510 General Communications 525 Social Science 501 Humanities Elective	5 4 3 <u>3</u> 19	Math 572 Calculus II Physics 602 General Communications 526 Humanities Elective	4 3 4 4 15	Math 673 Calculus III Communications 527 H&PE 509 Health Sociology 600	5 4 3 <u>5</u> 17		
Second Year							
Chem 515 General Math 674 Calculus IV RE 501 Drawing CE 601 Mechanics I H&PE Activity Acctg 601	4 3 4 1 <u>3</u> 19	Chem 516 General IE 642 Engr. Comp. Acctg 602 CE 602 Mechanics II	4 4 3 	MF 641 Dynamics MF 603 Thermodynamic Acctg 603 Bug. 0rg. 624 Mdsg.	4 3 4 16		
Third Year							
IE 701 Ind. Org. & Mgmnt Mdsg. 720 Econ 704 Statistics I Econ 601 Principles H&PE Activity	5 3 4 3 1 16	Acctg 713 Cost IE 800 Production Econ 705 Statistics I Econ 602 Principles EE 714R Elec. Engr.	4 4 3 4 	Acctg 714 Cost IE 705 Valve Engr. Econ 706 Statistics 3 Econ 603 Principles IF 824 Engr. Econ.	4 3 3 3 3 77		
Fourth Year							
IE 841 Thesis I IE 825 Adv.Engr.Econ Bus.Org. 851 Ind.Mgt Philosophy Elective IF 850 Oper. Res. Hape Activity	2 3 4 4 1 1	IE 842 Thesis II IE 711 Methods I IE 851 Linear Prog. Bus.Org. 350 Dev.Exec Econ 710 Micro Bus.Org. 701 Law I	2 3 4 3 3 3 18	IE 843 Thesis III IE 712 Methods II IE 820 Qual.Control Bus.Org. 804 Pers.Mgt Bus.Org. 702 taw II	2 3 5 4 3 17		
Humanities Electives	- T L	Fo be taken in the area Literature, History & A pr Drama.	of Philos				
Social Studies Electives		To be taken in the area Science, Psychology, or					

2-5-71. This report delayed until \$today. Approved and passed at today's Senate meeting. Underkende Mechanical Engineering stery of senot Delete: 3 g/.h./ 600 - Thermodynamics I 3 q.h. '601 - Thermodynamics II 3 q.h. 602 - Thermodynamics III 640 Dynamics 2 a.h. 680 - Seminar 1 q.h. 741 Dynamics 3 q.h. 742 Dynamics of Machinery 3 g.h. 3 q.h. 790 - Thermodynamics V 824 - Principles of Nuclear Reactors - Laboratory 3 **e.h.** 1 **e.h**. 824L -New or Changed: 4 q.h. 503 Graphic Science Prerequisite - M.E. 500 or equivalent Description - Basic Descriptive Geometry, including points, lines, planes and curved surfaces. Conventions and techniques used in preparing working drawings. Graphs and graphic computation. For non-mechanical engineering majors. 3 a.h. 580 - Introduction to Engineering Prerequisite - None Description - An introduction to the engineering career and its role as a profession. Discussion of the preparation of an engineering career, including some of the tools of analysis such as slide rule, error analysis, sketching, and **computers.** Introduction to the various aspects of the engineering design process and problem solving. 4 g.h. 603 Thermodynamics Prerequisite - Math. 673; Physics 510 Description - Thermodynamic properties of gases and vapors and their relationships in energy transformations. The first law; equations of state; **compression** and **expansion** processes; entropy; the second law Thermodynamic cycles and efficiencies of **power** plants and other devices. 4 a.h. 604 Thermodynamics Prerequisite - M.E. 603 Description - Availability and irreversibility in thermodynamic processes and cycles; relations **among** thermodynamics properties. Mixtures and solutions; psychrometry. Introduction to phase and chemical equilibrium. 641 Dynamics 4 q.h. Prereguisite - C.E. 601 Basic relationships of the kinematics of particles and rigid Description bodies. Kinetics of particles, groups of particles and rigid bodies using Newton's Laws of Motion, work-energy and **impulse-momentum** techniques. Vector notation used where applicable. 721 - Heat Transmission 4 g.h. Prerequisite - Math. 709 (Not intended for students having M.E. 720) Description The fundamentals of heat transfer by conduction, convection, and radiation, followed by the investigation of **combinations** of these modes of energy transfer. 4 a.h. 842 Dynamics of Machinery Prerequisite - M.E. 641 Description - Application of analytical mechanics, with particular emphasis on machines. Gyroscopic motion analysis and other advanced topics. 882 - Mechanical Engineering Problems 4 a.h. Prerequisite Ind. Engineer. 602 Math. 711 - Senior level standing Description - Modeling, design and analyses of Mechanical engineering devices or systems utiliting modern methods and techniques. Solution of problems by use of analytical, numerical and statistical techniques

2-5-71. This report delayed until today. Approved and passed at today's

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Senate meeting.

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licy if kenote Metallurgical Engineering Delete: 601 - Introduction to Materials Science I 3 q.h. 3 q.h. 602 - Introduction to Materials Science II 603 - Introduction to Materials Science III 3 q.h. 650 - Atomic & Molecular Structure of Materials 3 q.h. 741 - Mechanical Working & It's Effects on Materials II 2 g.h.' 3 q.h. 791 - Physical Metallurgy 792 - Physical Metallurgy II 3 soh-3 q.h. 793 Physical Metallurgy III 791L - Physical Metallurgy Lab. 1 q.h. 792L - Physical Netallurgy Lab. 11 1 q.h. 793 L- Physical tletallurgy Lab. 1 a.h. New or Changed: 601R - Introduction to Materials Science 4 a.h. Prerequisite - Chemistry 515 or Consent of Instructor Description - Discussion of the basic electronic structure and properties of materials, theory of binding in solids--metals, alloys, serni-conductors, ceramics, and plastic materials; electrical and magnetic properties of materials. Electron Emission. Electronic Specific heat. Tutorial and Computations. 602R - Introduction to Materials Science II 4 g.h. Prerequisite - Met. Engr. 601R or Consent of Instructor Description - Discussion of crystallography, the elastic and plastic properties of materials, ductile and brittle behavior of metals, plastic deformation, imperfections In crystals, elementary ideas of point defects, dislocations and their basic properties, strain hardening. Recovery, recrystaliization and grain growth. Tutorial and Computations. 603R - Introduction to Materials Science III 4 q.h. Prerequisite - Met. Engr. 602R or Consent of Instructor Description - Discussions of phase equilibria and phase diagram. Kinetics of phase changes, diffusionless and diffusion controlled phase transformation. Industrial Metallurgy. Principles of heat treatment. Structural Materials. **Tutorial and Computations** 621L Chemical Principles of Materials Science 1 a.h. **Prerequiaite** Engr. 620 or Consent of Instructor Description - Laboratory Experiments to illustrate the theoretical concepts discussed in Met. Engr. 620 and 621. 4 a.h. 650R - Atomic & Molecular Structure of Materials Prerequisite - Chemistry 515, Math. 673, or Consent of Instructor Description - Discussion of the atomic structure and molecular structures of materials with particular emphasis on the energy levels and material properties. Nuclear Materials and alloy structures and their atomic structure changes in the alloy state. 4 g.h. 741R - Evaluation of Materials Prerequisite Met. Engr. 740 or Consent of Instructor Description - Discussion on the evaluation of materials by destructive and non-destructive testing methods. Lecture and Laboratory 890 - Metallurgy & Materials Coloquium 1 g.h. Prerequisite - Consent of Advisor Pescription - Review of current Metallurgical and Materials research papers. Note: May be repeated up to 4 credit hrs.

2-5-71. This report delayed until today.

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4 + 4 + 4 A.h. 791R, 792R, 793R, - Physical Metallurgy 1, 11, 111 Prerequisite - Met. Engr. 621L, 631, or Consent of Instructor Description - Review of atomic end nuclear structure of materials. Band theory of solids; advanced discussion on electrical conductivity, magnetic properties, and thermal properties of materials, different types of solids. Elastic and plastic properties of materials; Modes of plastic deformation: slip and twinning; quantitative discussion on deformation mechanism; dislocation theories and their **application**. Phase diagrams and kinetics of phase **Diffusion** controlled and **diffusion** less phase transformation: transformation. theoretical treatment **of_nucleation** and growth processes; diffusion. Lecture Tutorial and Computations. and laboratory.

TECHNICAL AND COMMUNITY COLLEGE

Criminal Justice

This department has reviewed **and** revised its curriculum to bring courses to the 4 quarter hour basis wherever **justifiable**. The **change** has been accomplished by deleting, combining and adding courses.

Delete:

Delete: 604 - Patrol & Field Operations 631 - Delinquency Control 640 - Police Supervision 660 - Police Community Relations 737 - Criminology II 753 - Criminalistics 780 - Special Police Problems	3 q.h. 3 q.h. 3 q.h. 3 q.h. 3 q.h. 3 q.h. 3 q.h. 3 q.h.			
New or Changed: 501 - Introduction to Law Enforcement Prerequisite - None Description - History of civil police powers, police department admini laws affecting police powers and functions, professional ethics, and other topics relating to police functions in a democratic society.				
605 Criminal Justice	4 g.h.			
Prerequisite - None Description - An overview of the American criminal justice process with special emphasis upon the nature of the criminal law, constitutional limits upon police power, the trial process and sentencing structure.				
620 - Criminal Procedure Prerequisite - Criminal Justice 605 Description - Designed to give the student a basic understanding of cri law and procedure, the laws of arrest, constitutional provisions relating search and seizure, search warrants, habeas corpus, and the function a operation of the grand jury, by reviewing procedures from incident to f disposition.	ng to Ind			
621 Evidence Prerequisite Criminal Justice 605 Description Designed to familiarize the student with evidence used i criminal proceedings the general rules governing the admissibility of e	vidence,			
the hearsay rule and its exceptions, opinion evidence, circumstantial e documentary evidence, presumptions, corpus delicti, and evidentiary pri				
630 - Criminology Prerequisite - None	4 q.n.			
Description - Crime statistics; ecological, cultural and social pattern criminal behavior; methods of treatment including probation and parole; prevention				

2-5-71. This report delayed until today. Approved and passed at today's

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665 - Human Relations in Criminal Justice

Prerequisite - Sociology 600 and Psych. 501 or 601 Description - Methods of coping with conflicts arising out of intervention for law violation; 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 Three hours of lecture and 3 hours of practicum per week, serve.

670 - Community Intervention Resources Prerequisite Criminal Justice 630

Description - Community based resources which are designed to prevent, control, or rehabilitate the delinquent or adult offender.

703 Correctional Case Management **Prerequisite** Junior standing

Description - The application of counseling and interviewing techniques and theory to the correctional client. Field and clinical situations are simulated so that the student can gain some experience in interviewing, chronologcial recording, report writing, and oral presentation of cases. Three hours of lecture and 3 hours of practicum per week.

705, 706 - Correctional Internship

Prerequisite - Permission of Instructor

Description - Observational and participatory experiences in correctional agencies under the direction of experienced and qualified correctional personnel. The student will spend 8 hours weekly in the agency. In addition attendance at a 2-hours weekly seminar is required.

736 - Criminological Theory

Prerequisite - Sociology 600 and Psychology 501 or 601 Description - The psychological and social factors underlying crime, criminal behavior, and prevention. (Identical with Sociology 736)

750 - Operational Intelligence

Prerequisite - Criminal Justice 613 Description Concepts and theory of intelligence functions in law enforcement; constitutional restrictions on intelligence gathering devices; administration of intelligence opeeaations.

770 Municipal Police Administration

Prerequisite - Criminal Justice 501

Description - Detailed examination of police organization and management; tactics and budgeting, supervision; record systems; discipline, promotion, communications, public relations

775 - Contemporary Problems in CRiminal Justice 4 ch. Prerequisite Senior standing and permission of instructor Description Lectures on selected topics dealing with contemporary issues in the criminal justice area. Specific topics will be announced prior to eenoolment.

800 - Readings in Corrections

Prerequitite - Senior Standing

Description - Extensive reading in the literature of the correctional fielt with special attention given to contemporary research data and theory in corrections.

810 - Readings in Crime and Delinquency 4 g.k. Prerequisite - Criminal Justice 735 or 735 and Senior standing Description = Extensive reading in the literature with special attention given to contemporary research data and theory on delinquency, crime, and the administration of criminal justice.

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825 - Constitutional Issues in Criminal Law Prerequisite - Criminal Justice 605 and Senior standing Description - Examination in depth of the constitutional foundations of the American criminal justice process with special emphasis upon recent Supreme Court decisions, state and federal legislation affecting criminal law.

COLLEGE OF ARTS AND SCIENCES

Geography

Change:

603 - conservation of Natural Resources naterie 4 acht Prerequisite and description remain as found in 1970-71 Catalog: Request is for an increase of one quarter hour. Formerly a three semester hour course; material cannot be covered in three quarter hours.

Sociology & Anthropology

. This department requests an **increase** from **3** to **4** quarter hours for two . In each case, four class hours have actually been allotted during the courses. past academic year, with students getting only 3 hours credit. The courses are (no change in prerequisite or description, for which see the 1970-71 catalog) = 4 q.h.

701 • Social Statistics 702 - Social Statistics ||

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4 q.h.

GEORGE JONES



(SENATE)

YOUNGSTOWN STATE UNIVERSITY

YOUNGSTOWN. OHIO 44503

January 22, 1971

TO: Members of the University Senate

Dear Colleagues:

The Board of Trustees at its meeting on January 21st received the enclosed opinion from Attorney General Paul W. Brown, together with my letter to Presidents of the Inter-University Council. The Trustees indicated agreement with the conclusions expressed therein. Meetings of the Senate are therefore to be considered closed unless the Senate of its own volition invites guests.

Cordially,

ALP:mwb Enclosure



YOUNGSTOWN STATE UNIVERSITY

YOUSGSTOWN. OHIO 44503

January 6, 1971

Presidents of the Inter-University Council

X

Dear Colleagues:

Enclosed is a copy of an opinion rendered by the Honorable Paul W. Brown, Attorney General of the State of Ohio. Mr. Brown has responded to the request of Youngstown State University concerning whether University Senate Meetings are to be regarded as falling within the public meeting provisions of Section 121.22 of the Ohio Revised Code.

The Attorney General notes on page 1, paragraph 2 of his letter, that all actions of the University Senate are "subject to final approval of the Board of Trustees." Therefore, we conclude that no action taken by the Senate may qualify as a "final binding action", and that the opinion on page 3 applies only to Trustee meetings. As evidence of the principle of "final binding action" residing in the Board of Trustees, I cite the action of our Senate last yea;. in developing and approving a modification of student regulations. This action of the Senate was not accepted by the Board of Trustees and hence the Senate action was neither "final" nor "binding". Public interest and demands by the news media to attend the Senate meeting resulting in this Senate action was the reason which caused the public meeting question to be raised.

It should be noted that minutes of all YSU Senate meetings are sent to each Trustee, and that: actions of the Senate which require Trustee approvaare entered on the Agenda of the Trustees' meeting with recommendations from the President. Some Senate recommendations involving administrative matters may be approved or disapproved by the President under'administrative powers delegated to him by the Trustees. The Trustees of course retain power of review.

Although we conclude that Senate meetings need not be public meetings, we also recognize that the Senate may of its own volition invite guests to its meetings or declare any portion or all of a meeting open to the public.

I have conierred with Chancellor Millett about the above and he concurs with the conclusion reached.

ALP:mw Enclosure cc: Chancellor Millett

Cordially,

Credinter prey

A. L. Pugsley President

January 21, 1971, Agenda Item e)3 · "24. OFFICE OF TEE ATTORNEY GENERAL ٩. STATE OF OHIO ī PAUL W. BROWN COLUMBUS 43215 Le ATTORNEY GENERAL £,2 CHARLES S, LOPEMAN FIRST ASSISTANT ATTORNEY GENERAL jart ROBERT D. MACKLIN diam CHIEF COUNSEL 6 Oak

OPINION NO. 70165

DEC 221970

EXALLE

Honorable A. L. Pugsley President Youngstown State University Youngstown, Ohio

Dear Sir:

I have your request for my opinion as to whether the meetings of the University Senate and the meetings of other boards or commissions of Youngstown State University are required to be public meetings requiring the admission of the public news media.

Section 12 of the Regulations'of the Board of Trustees of Youngstown State University provided that the University Senate is the legislative body of the University Faculty. It has authority to formulate suitable rules, requirements and procedures for the admission, government, management, control of students, courses of study, granting of degrees and certificates and other internal affairs of the institution subject to final approval of the Board of Trustees.

The right of the public to attend the meetings of a governmental body arises out of Section 121.22 Revised Code. The public Hon. A. L. Pugsley

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has no common-law right to attend any meeting of a governmental body. <u>Beacon Journal Publishing Co</u>. v. <u>City of Akron</u>, **3** Ohio St. 2d 191 (1965). Section 121.22, <u>supra</u>, provides as follows:

"All meetings of any board or commission of any state agency or authority and ail meetings of any board, commission, agency or authority of any county, township, municipal corporation, school district or other political subdivision are declared to be public meetings open to the public at all times. No resolution, rule, regulation or formal action of any kind shall be adopted at any executive session of any such board, commission, agency or authority."

This section distinguishes between executive sessions and public meetings. The only meetings which are required to be open to the public are those in which a resolution, rule, regulatio or formal action of any kind is adopted or passed. <u>Beacon Journal</u> <u>Publishing Co. v. City of Akron, supra, at 199; State ox rcl immediatery</u> v. <u>Adkins</u>, 18 Ohio App. 2d 101, 105 (Montgomery Co., 1969). This leaves public officials broad discretion to decide when their deliberations shall be kept secret. The statute permits executive sessions in which only such persons as the public body may invite are permitted to be present so long as no final binding action shall be taken. Open Meeting Legislation, 75 Harv. L. Rev. 1199, 1209 -1210 (1962).

-2-

Exhibit No. 2 January 21, 1971, Agenda Item e)3

-3-

Hon. A. L. Pugsley

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Unless the Board of Trustees provides otherwise the University Senate and other bodies of the University may hold executive sessions from which the public is excluded provided no final binding action shall be taken.

It is, therefore, my opinion and you are advised that:,

1. The only meetings of a governmental body which are required to be open to the public are those in which a resolution, rule, regulation or formal action of any kind is adopted or passed.

2. A governmental body may hold executive sessions from which the public is excluded provided no final binding action shall be taken.

Respectfully,

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PAUL W. BROWN Attorney General