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Faculty Senate Chronicle March 31, 1986

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1985-86, No. 5 (27 pages)

March 31, 1986

FACULTY TO BE ON PROFESSIONAL LEAVE 1985-86

For the 1986-87 Academic Year

Dr. Michael Bennett, Assistant Professor, Community and Technical College
Dr. Jolita Kavaliunas, Associate Professor of Modern Languages
Mrs. Marian Lott, Associate Professor of Music
Dr. Laurence Ma, Professor of Geography
Dr. Warner D. Mendenhall, Professor of Political Science
Dr. Karen M. Mudry, Director, Institute for Biomedical Engineering Research
Dr. Arthur Palacas, Associate Professor of English
Dr. Manoucher Parvin, Professor of Economics
Mrs. Winifred Watson-Florence, Clinical Supervisor, Communicative Disorders

For the Fall Semester 1986

Dr. John R. Cochran, Professor of Education
Dr. James Egan, Professor of English
Dr. Keith Klafehn, Professor of Management
Dr. Allen McIntyre, Professor of Modern Languages
Dr. Sherman Vander Ark, Professor of Music

For the Spring Semester 1987

Mr. Walter Herip, Assistant Professor of Commercial Art
Dr. Mary Jean Johnston, Professor of Office Automation
Dr. ~~Yogrends~~ Malik, Professor of Political Science
Mr. Christopher Meyer, Associate Professor of Art
Mr. John Monroe, Professor in the Community and Technical College
Mr. Mark Soppeland, Associate Professor of Art

Yogendra

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Any comments concerning the contents of The University of Akron Chronicle may be directed to the Office of the Senior Vice President and Provost.

MINUTES OF UNIVERSITY COUNCIL, March 6, 1986

The regular meeting of the University Council was called to order by the Chairperson, Senior Vice President and Provost, Dr. Frank Marini, at 3 p.m. on Thursday, March 6, 1985, in Leigh Hall 307.

Fifty-one of the seventy-seven members of Council (including four ex officio for 1985-86) were present. Those absent with notice were Lloyd Anderson, Walter Arms, June Burton, Lillian DeYoung, Barbara Heinzerling, Donald Jenkins, David Kessler, Regis McKnight, John Mumper, George Prough, Marion Ruebel, Arjan Sadhwani, Deborah Weber, and John Works. Absent were Jean Blosser, Lyle Dye, Louis Hill, Valerie Hill, Julia Hudson, Jacqueline Johnson-Chambers, Gerard Knieter, Ginger Lynch, Nancy Milford, William Rogers, Ralph Turek, and Tyrone Turning.

The Secretary of Council noted the following corrections to the minutes of the regular meeting of the University Council of February 6, 1985:

- Page 2: Dean DeYoung was recorded as "absent." This should be changed to indicate "absent with notice."
- Page 3: Paragraph 2, referring to Curriculum Change BA-86-3, Mr. Weyrick indicated that the change adds a course to the international business core curriculum. It should be changed to read, "BA-86-3, which adds the course International Business to the undergraduate core curriculum."
- Page 8: The report of The University of Akron Representative to the Faculty Advisory Committee to the Chancellor of the Ohio Board of Regents contained errors. Dr. Fleming has prepared some corrections, which appear in the appendix of this Chronicle.
- Page 13: Curriculum Change BA-86-3 should identify Marketing rather Management as the department proposing that change.

Following Dr. Griffin's announcement of corrections, Dr. Gwinn made two additional comments regarding the last issue of the Chronicle. He suggested that a sentence be added after the second paragraph to indicate that standing room only was available for many of the students visiting. Gwinn's second comment was a question about the procedure of presenting courses that were approved and changes that were approved in curriculum. He pointed out the specific listing of those changes was not brought before Council and suggested the following as alternatives to having the changes approved by the Curriculum Committee as an addendum to the minutes:

1. List in the University Council Agenda the proposals that have been accepted by the Curriculum Committee;
2. Before the Council meeting, circulate a list of those curricula titles that have been approved by the curriculum committee.

The Chairperson asked Bob Weyrick, chair of APCC, to consider Dr. Gwinn's suggestions and address them when he reports for the Committee.

President Muse was then presented to the Council to address the body. The President expressed his pleasure in having the opportunity to visit with Council since his schedule did not always permit the chance. He continued by sharing with the body some positive news for the University. The Capital Improvements Bill for higher education in the state of Ohio was to be voted on by the House of Representatives and recommended to the Senate. President Muse

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reported that The University of Akron has strong assurance that what was recommended will be passed and probably will be acted on very shortly. He further reported that UA faired very well compared with our sister institutions across the state and compared with how well we have done in the past. A total of \$24.8 million was recommended for UA in the capital improvements bill compared with around \$11 million or \$12 million the last time UA was funded and compared with about \$18 million that the Ohio Board of Regents recommended. The president expressed his appreciation to Vice Presidents Stafford and Bowles for the work that they did on this request. He continued by encouraging the body to express their appreciation to any members of the legislative delegation if the opportunity arose. President Muse then gave a breakdown on the allocation for the Capital Improvements Bill:

\$10 million for Phase II of the Polymer Science complex, an increase from the \$7 million recommended by the Board of Regents by less than the \$13.8 million requested;

\$8.8 million for a new Business Administration building;

~~\$10~~² million for the expansion of Auburn Science and Engineering Center, particularly for some animal quarters to assist in the biological research being conducted there;

\$1.5 million for a physical education facility at Wayne General and Technical College-- this facility was designed and approved two years ago but was taken out of the budget at that time;

\$2.5 million for utilities and renovation on the campus.

The President continued by expressing his pleasure with the University, the spirit he feels, and the effort he sees across campus in trying to respond to the tasks in this community. To stress this point, he pointed to the attendance at the lunch at Tangier when the University sponsored Tom Peters to talk about the Search of Excellence concept.

Following the President's comments, the Chair moved on to the reports of the standing committees.

Dr. C. Frank Griffin reported that the Procedural Committee met February 20 to set the agenda for the Council meeting. In addition, they accepted a report from Linda Weiner summarizing Council actions pertinent to part-time faculty. Mrs. Weiner requested that a mechanism be found to mail this and similar reports to part-time faculty. Provost Marini indicated that he would pass the report to Faith Helmick to mail. Dr. Griffin presented to the Procedural Committee a comprehensive set of amendments to the Council bylaws to be circulated with the agenda. He reported that these amendments may be discussed at the March 6 Council meeting but may not be voted on until the next meeting of Council. He concluded by indicating that these amendments would be presented by Mr. James Inman, chairman of the group which wrote the set of amendments, when new business was discussed.

Before presenting the committee report for Academic Policies, Curriculum and Calendar, Mr. Weyrick addressed Dr. Gwinn's comments on the approval of curricular proposals. First, he described the two procedures followed in circulating curricular proposals--referred to as the long and short procedures or the old and new procedure. The long or old procedure is used for proposals which are formally considered by APCC and University Council. These are proposals which represent new degree programs or substantive changes in existing degree programs. These proposals are first considered by APCC and then recommended to Council. The new or short procedure is used for proposals which are essentially minor in nature--the addition of new courses which are not part of degree requirements, changes in course descriptions or course prerequisites. Colleges circulate these proposals and the Provost

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approves them if there are no unresolved outstanding objections. After they are approved by the Provost, the curriculum change is reported in the Chronicle. Mr. Weyrick concluded his comments on curriculum change procedures by suggesting that proposals approved under either procedure be listed in the Chronicle and a notation made indicating under which procedure it was approved. Continuing with the APCC Committee report, Mr. Weyrick reported that the Committee had reviewed five curriculum proposals and recommended Council's approval since there were no outstanding objections. Proposal AS-86-9 is a revision to the certificate program in Soviet Area Studies; AS-86-11 is a change in the degree requirements in the Political Science, Public Policy Management Program (to delete several required courses and substitute elective hours for those requirements); AS-86-23 changes the requirement in the Computer Physics Certificate Program (to reduce the requirement from 56 credits to 31 credits); AS-86-25 changes the requirements and descriptions for the Natural Sciences Division major in Arts and Sciences (to increase the requirements for this major from 56 to 64); BA-86-5 changes the requirements in the MBA program, excluding the Accounting program, to allow substitution of an approved elective in lieu of course 6200:610, which is a requirement in that particular program. The Graduate Council has given its approval on the last proposal. After this brief description of the proposals, Mr. Weyrick moved approval. The motion was seconded and carried.

There was no report from the Athletics Committee.

Speaking for Campus Facilities Planning Committee, Dr. Timmerman reported that the Committee met on March 4. At this meeting the committee reviewed the results on the faculty survey recently sent out. So far there have been over 200 responses indicating various problems centering around classrooms. Most of the time was spent discussing how to handle the more difficult of these problems, what could be done to resolve them, as well as what to include in the standard minimum classroom conditions for future construction and remodeling. Further, Dr. Timmerman reported that those kind of problems that were identified as being things that can be handled immediately were transferred to the appropriate departments for immediate action. Lastly, he expressed appreciation to all those who responded to the survey.

Faculty Rights and Responsibilities and Faculty Well-Being had no report.

Dr. Gwinn reported for the Library and Learning Resources Committee. He clarified an item he mentioned in his last committee report. Referring to the proposal from the Institute for Polymer Science to establish a data base, Gwinn pointed out that the idea for the proposal and the major writing of the proposal originated with the library staff. Proceeding with his report, he announced that the Committee is continuing to review the user handbook and that Associate Student Government has been asked to assist the Committee with the evaluation. The Computer Software Committee indicated that the library purchased little in the way of computer software and is proceeding slowly until the Committee sees how it is going to be integrated into the other aspect and materials available at the library. Currently the software that was developed by Computer Based Education is not accessible through the library on-line catalog. Also, a ULLR subcommittee has sent questionnaires to departments requesting information about collections of library-type material maintained within the department/student use. Hopefully it will provide insight into the availability of resources and possible duplication of effort and expenses. At the last meeting, the Library Committee also received the request for library materials for 1986-87. The Committee chose the Athletic Program as a basis of comparison for these figures since the Athletic Program was a prominent item in the Beacon Journal at the time. At the time, the athletic program was about 1.4% of the annual budget, and President Muse was quoted as indicating that even increasing that to 2% would not be unreasonable. Gwinn concluded by saying the library budget request (not allocation) for all books, serials, monographs, references, indexes, and audiovisual materials was just over \$1.5 million, or 1.1% of the annual budget.

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There was no report from the Reference Committee.

Reporting for the Faculty (Research Projects) Committee, Dr. Gent announced that the Committee met on March 3 and 4 for a total of about 7 hours, in addition to individual review time of the members. They reviewed 45 proposals submitted for a total of \$94,502. Twenty-three (about one-half of those proposed) were accepted for funding, though in almost no case was full funding granted. The total amount expended was \$38,955 out of the requested amount of \$94,502. This was the last of the research proposals for the year. Dr. Gent gave a brief summary of the totals for the year. Funds made available were \$105,000; funds requested by the faculty total \$266,000. The number of research requests received by the committee was 82; an average number in previous years was 60 requests. A list of those proposals accepted by the Committee appears in the appendix of this issue of the Chronicle

There was no report from Student Affairs.

The report from the Akron Representative on Faculty Advisory Committee to the Ohio Board of Regents was a correction to last month's report and appears in the appendix of this issue of the Chronicle.

Turning to old business, the Chairperson announced that the amendment on the table from the Athletics Committee was anticipated to remain on the table and turned to the election procedures for a part-time representative to University Council. Mr. Inman moved the item be removed from the table for discussion. The motion was seconded and carried.

Opening discussion, Mrs. Linda Weiner identified three questions she had regarding the procedures. The first question referred to the last sentence in item 1. As proposed it read "Eligible faculty are those persons teaching part-time in the credit program at least one of the regular terms . . ." Mrs. Weiner asked if those faculty members teaching in Developmental Programs were excluded from eligibility. She proposed the statement to read ". . . those persons teaching part-time in the credit program and in the non-credit developmental studies program." Her second question was in reference to item 5. Currently, the procedures read, "The ballots will be opened and counted in the presence of two part-time faculty members selected by the Senior Vice President and Provost." Mrs. Weiner questioned who would actually do the counting of the ballots--a disinterested party or an officer of Council in the presence of the two part-time faculty. Her third question was in reference to item 6, regarding the last sentence. She suggested adding the phrase "and to part-time faculty." to the end of that sentence.

Dr. Faith Helmick, who introduced the proposal, addressed Mrs. Weiner's questions. Regarding the first question, she indicated that it was the committee's original intention to include those faculty members teaching in Developmental Programs, and that she would accept the friendly amendment to add the words "or Developmental Programs" to avoid any confusion. Regarding the second question, who would count the ballots, Dr. Helmick explained that the intent was to have two part-time faculty representatives chosen by the Provost to assist the Provost or his designee to count the ballots. With regard to the third question, announcing to the part-time faculty the result of the election, Dr. Helmick indicated that it was simply an oversight not to include such a phrase and accepted a friendly amendment to add "and part-time faculty" to the end of item 6.

Dr. Katherine Hinckley requested clarification on item 3, asking if it meant that all the names that were submitted would be included on the ballot and why the ballot would not be limited to five or six names. Dr. Helmick replied that it was unlikely that there would be a large number of nominations, so rather than deny people the privilege of being listed on the ballot, all qualifying persons nominated would be included.

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Dr. John Gwinn pointed out that, according to the procedures, nomination petitions were to be mailed out in March. He asked if the election would be held immediately if the procedures were adopted. Dr. Helmick indicated that the Provost's Office would act immediately to send nomination forms out if the procedures were adopted by University Council.

Mrs. Weiner returned to the question of who would do the counting. She suggested the wording be changed to read "The ballots will be opened and counted in the presence of two part-time faculty observers selected by the Senior Vice President and Provost" so that the part-time faculty members will be observing a third person doing the actual counting. Dr. Helmick suggested "two observers who are part-time faculty members" as the wording to make it clear that the two observers are part-time faculty members.

Mrs. Weiner accepted the suggested wording. The Chair called for additional discussion. Hearing none, he put the motion to a vote and it carried.

✓ Moving on to new business, Dr. Marini recognized Mr. James Inman to speak. Mr. Inman indicated to the body that the proposal to amend the University Council Bylaws which was on agenda for discussion could not be voted on until Council's next meeting. He continued by elaborating on the introduction to the proposed amendments and explaining the intentions of the committee who drew up the changes. He commented to the body that the University has a new administration and that the current bylaws may not reflect the administration's view. In addition, the committee noted the fact that the University has continued to grow since the current bylaws were adopted and thought that the faculty should have a greater role in the operation of University Council, perhaps even a leadership role. The committee pointed to a lack of continuity in the committees of University Council and that more continuity would enable more effective operation. Inman stated that the final factor in proposing the changes was that the committee thinks that University Council has grown too large and that a smaller body would be able to work more efficiently. Following this explanation, Inman moved adoption of the amendments. His motion was seconded. Discussion began on the floor.

Dr. Walter Lehrman asked for clarification on some wording that seemed contradictory with other wording. In the first introductory "whereas" clause, it states, "It is appropriate to improve the participation of faculty . . ." Dr. Lehrman interpreted that to mean "expand." Another clause refers to reducing the size of Council, which seemed to be a contradiction to the first clause. Mr. Inman indicated that the meaning in the first clause was actually to expand participation in Council and to expand the faculty's role, not to expand membership.

Mr. Tony Brown expressed concern over reducing the number of student representatives, as is suggested in an amendment to Article III, Section d. He asked for the reasoning behind the proposed change, and if it is necessary, whether Evening Student Council could be the one to lose a seat rather than Associated Student Government. Inman explained that the proposal was to reduce administrators, faculty and students. Proportionately, faculty representation would be decreased more than the other two.

Mr. Tim Elsass asked for the rationale behind removing the Dean of Student Services as one of the administrators in Council, as is proposed in Article III, Section b. He also asked for the rationale behind reducing the number of ASG representatives rather than that of Evening Student Council or the Student Bar Association. Inman explained that since there is only one evening student representative as compared with four for day students, it seemed more appropriate rather than to cut out the evening student representation entirely. He added that the idea was that the student representation as a whole should be cut some and that it was open for debate as to where that cut should be. In replying to the question about removing the Dean of Student Services, Inman said the idea was that those two deans

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(referring to the Dean of Continuing Education as well) have now been made associate provosts reporting directly to the Provost and the committee felt the Provost could represent their views since he is a member of Council.

Dr. C. Frank Griffin added that as a member of the Procedural Committee who picks the faculty for the various committees, he is well aware of the lack of continuity in the committees. He pointed out that one of the crucial changes in the proposed amendments would provide for more continuity.

Dr. Elton Glaser pointed to the fact that no changes were made to the Athletic Committee and asked if that was because there was already a proposal on the table pertaining to that Committee. Inman replied that the committee who drew up the amendments did not discuss the Athletics Committee, primarily for that reason.

In referring to the recommended amendment to Article V, Section a, Dr. Griffin explained that by having a faculty member serve as the president of Council, the question of whether an ad-hoc committee appointed by the Provost is a committee of Council or a committee of the Provost would be resolved.

Dr. Hinckley asked for the interpretation of a "major" fraction, as is referred to in Article IV, Section d, and she asked for the rationale for adding a retired faculty member appointed by the President, provided for in Article III, Section h. Mr. Inman explained that the current bylaws already provide for a retired faculty representative, so that would not actually be an increase in members. The committee originally had planned to delete the entire section which provides for the retired representative, among others. Since they still wanted that provision left in, they made it a separate section. Regarding a "major" fraction, Inman explained that it meant any fraction larger than 1/2 and suggested that once the meaning was clear and acceptable, a more appropriate term could be inserted.

At this point Provost Marini relinquished the chair in order to make some remarks and Mr. Inman, President Pro Tempore, presided.

Marini acknowledged that he met with the committee that drafted the proposal and if it were time for a change, he would like to voice some of his ideas to the committee. The Provost said he disagreed with the choice of the word "empowered" used in Article II, Paragraph 1 and suggested softening it somewhat. In addition, he suggested changing "approve or reject" to "consider and advise" in referring to Council's power in proposals for creation, abolition or rearrangement of colleges and various departments or divisions as well as proposals of University-wide committees. He didn't think the proposed structure as proposed would provide a shared governance or that the President would be willing to accept it. Instead, he indicated he had drafted some alternate language. He suggested, "Upon the request of the President of the University, the Council shall review and offer advice about proposals for the creation, abolition, or rearrangement of colleges and the various departments and divisions of instruction, proposals from University-wide committees and such other matters as the President of the University may refer to Council." This would enable the President to seek advice about those matters from Council if the President chose rather than saying that all sets of changes must be adopted.

Similarly, Marini pointed out, the next suggested change did not provide for executive rule or executive veto as most legislative bodies do. As suggested, Article II, Paragraph 4 only allows the President of the University to transmit legislation to the Board of Trustees and to report to Council the disposition of the legislation. Marini recommended the procedure remain as it is--after Council passes legislation, it is presented to the President for his action. If he approves, he will forward it to the Board; if he does not approve, he

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will return it to Council for modification. Without providing a means of communicating problems the President sees in a piece of legislation to the Council, you invite "sandbagging at the board or pocket-vetoing." Another suggested change to the proposed amendments was to continue using the term "chair" rather than referring to the primary officer of Council as the president, as Article V, Section a suggests. This would help to avoid confusion between that officer and the President of the University.

In another comment regarding terminology, Marini suggested "executive calendar" or "remarks of the President or President's designee" rather than "remarks of the President" on the standing agenda, to enable an executive other than the President to have the privilege of addressing the body regularly if the President is not in attendance.

Under the section for the Faculty Well-Being Committee, referring to their concern with leaves of absence as a fringe benefit, Dr. Marini suggested clarification be added to indicate that this committee would be involved in determining the provision of leaves as one of the fringe benefits. As worded, it could be interpreted to mean that the committee would determine who shall take such leaves. Revised wording could clarify this.

The final significant point of disagreement with the proposed amendments was in the provision of an Academic Planning and Priorities Committee. Dr. Marini said that if such a committee were formed, it would replace the Provost's Advisory Committee and report to him. It would give reports to Council as a matter of information, but their area of responsibility would be directly to the Provost. A direct responsibility to Council would delay any actions the Provost would need to take.

Dr. Griffin indicated that it was the intent of the committee to have the new committee report to the Provost and inform the Council.

Dr. Lehrman asked Dr. Marini if he envisioned the body having the power to override the President's veto, as is possible in government. Dr. Marini replied that would need some consideration and that since the President has a responsibility to the University and the Board, and legislation he takes to the Board ought to represent the University's view, with the administration and the faculty having worked out any disagreements.

Dr. Dale Jackson noted that from Dr. Marini's comments, he seems to indicate that the President doesn't really belong at Council, but rather may receive items of legislation from them and accept them or send them back, without any communication between the two. If this is so, he said, it would create a debating society and little would actually be accomplished. He added that if the President had something to say, the faculty deserved to hear him rather than to hear a message sent through the Provost. Dr. Marini agreed with the last statement, and added that his experience has shown him that it would be more advisable that the President as an individual did not get involved in Council debates. He would advise the President to attend Council as often as possible but not join in debates.

Dr. Clemenshaw asked for clarification on a comment Dr. Marini made referring to proposals coming only at the discretion of the President. He replied that he was trying to avoid abolishing the power of the administration. It may be argued that administration should not have the power to shuffle departments and colleges without the faculty's view, but neither should Council have the sole authority and he'd like to see some way of making certain that that does not happen. But he acknowledged that Council should have an important voice in the matter. To provide for this, he suggested mandating the advice of Council for the President and expressed a deep support for and belief in shared governance.

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After asking for numbers on the membership of Council, Tim Elsass echoed Marini's feeling that if legislation went directly from Council to the Board of Trustees without the President's support, it was unlikely it would be passed. He also suggested that Council review its role in the University and consider converting to a faculty senate. University Council as it stands does not represent all of the University facets, and representatives who serve on it are not always aware of issues which do not directly concern them. For this reason, Elsass said, a faculty senate may work better.

At this point, Dr. Marini resumed the chair and Mr. Inman added a few comments. First he indicated that it was not the intention of the committee who met to create a legislative body that would rule the Board of Trustees or administration. He pointed out one major idea associated with the proposal. The first one was the fact that when new administration comes in, new committees are often created with little or no information flow from that committee to the rest of the University. By having the committee report to Council for informational purposes, it would also allow Council to react to the report and send its own view to the President.

As a final remark, Dr. Marini told the body that he had given some consideration to the situation in which a committee is appointed by the Provost, and the question arises as to whether it is a committee of Council or a committee of the Provost. He indicated that he would make a conscious effort to make that distinction when he creates such committees.

On motion, the meeting was adjourned at 4:20.

APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, March 6, 1986

CORRECTION TO THE REPORT OF THE UNIVERSITY OF AKRON REPRESENTATIVE TO THE FACULTY ADVISORY COMMITTEE TO THE CHANCELLOR OF THE OHIO BOARD OF REGENTS--reported by Dr. William Fleming

The report which appeared in the February 24 issue of the Chronicle contained a few errors, which have since been corrected. A revised version of the complete report appears below. (The corrected material is in the third paragraph, after the colon through the end of that paragraph.):

The Faculty Advisory Committee met in Columbus on Wednesday, February 12, 1986. During the morning session, Philip Jastrow (OSU), AAUP consultant to the Committee, reported on pending legislation. House Substitute Bill 497, now limited strictly to TA's, will almost certainly pass soon. BH 700, providing faculty liability coverage, passed the House but may linger in a Senate committee. Meanwhile, faculty may have some protection under the "sovereign immunity" bill passed in December. Another bill, not previously reported here, has come up for consideration: sponsored by members of the Retail Merchants' Association, HSB 211 would limit public universities competing in areas considered more appropriate to private enterprise. If passed, the bill would affect many cafeterias, bookstores, even faculty consultants to private businesses. Because it has the potential of opening a mare's nest of complications, the bill's future is uncertain, but it may bear watching.

During the balance of the morning session, Vice-Chancellor Duane Rogers reviewed the various budget models which OBOR uses in determining budget requests and in allocating funds to the state colleges and universities. (I can provide to anyone interested a copy of the "OBOR Subsidy Formula Overview" or the "Schedule of Operating Budget Process, 1987-89 Biennium.")

During the afternoon, Chancellor Coulter reported on the status of various programs: Eminent Scholar proposals are at second level of judging; Chancellor Coulter expects nine to be in place for 1987-88. Program Excellence grants for 1986-87 will be announced not later than mid-May. The Chancellor expects about the same number of approvals as for the current year--twenty-two or twenty-three. Once decisions have been made, OBOR will move quickly to get enabling funds out to programs.

Finally, the chancellor planned to declare on Friday, February 14, OBOR's encouragement for state two-year colleges to offer more employee quality-improvement programs geared specifically to the needs of private industry. He cited as a model the program now operating between North Central Tech and General Motors in Mansfield.

The next meeting of FAC will be on Thursday, April 3.

Respectfully submitted,

William S. Fleming

APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, March 6, 1986

RESEARCH (FACULTY PROJECTS) COMMITTEE
 (awarded March 5, 1986)

<u>RG#</u>	<u>NAME AND DEPARTMENT</u>	<u>TITLE OF PROJECT</u>	<u>AMOUNT</u>
923	Mr. Andrew Borowiec, Art	"The Landscape of Southeastern Ohio's Post-Industrial Towns."	\$ 2,000.00
924	Dr. David R. Bowman, Physics	"Critical Fusing Currents and Dielectric Breakdown in Random Metal-Insulator Composites."	\$ 1,500.00
925	Drs. M.J. Braun, C. Batur, K.M. Mudry, and J.L. Summers, Mechanical and Biomedical Engineering	"Design and Construction of a Totally Self-Contained Artificial Bladder."	\$ 2,855.00
926	Mukerrem Cakmak, Polymer Engineering	"Basic Investigations on Gas Barrier Properties of Oriented Films for Packaging Applications."	\$ 2,500.00
927	Mr. Nate Cardarelli, Engineering & Science Technology Division	"Evaluation of thymic extract (Hanson) for anticancer activity and trace metal content."	\$ 350.00
928	Dr. S. D. Darling, Chemistry	"A Study of Diens to be Used in the Diels-Alder Reaction with our Phosphorus Dienophiles."	\$ 1,200.00
929	Drs. Jeff Dilts and George Prough, Marketing	"Response to Environmental Uncertainty: An Analysis of the Effects of Deregulation on the Travel Industry."	\$ 1,750.00
930	Dr. Janne Dunham, Nursing	"Excellence in Nursing Leadership in Hospitals."	\$ 2,000.00
931	Dr. J. Clayton Fant, Classics (and History)	"Teos: A Roman Marble Quarry in Turkey. The Archaeology and Economics of a Unit of the Roman Imperial Quarry System."	\$ 2,000.00
932	Dr. Peter N. Henriksen, Physics	"A IETS Study of Sulfur Compounds Absorbed on Copper Substrates."	\$ 1,200.00
933	Mr. Michael B. Jones, Art	"Refinement of Celadon Glazes for Porcelain Casting Slip Clay Bodies."	\$ 2,300.00
934	Dr. S. V. Kanakkanatt, Engineering and Science Technology	"Photochromic Polymers."	\$ 2,000.00
935	Dr. Robert Y.K. Liang, Civil Engineering	"A Study of the Cone Penetration Test as a Tool for Site Investigation."	\$ 2,000.00

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RESEARCH (FACULTY PROJECTS) COMMITTEE (continued)
(awarded March 5, 1986)

<u>RG#</u>	<u>NAME AND DEPARTMENT</u>	<u>TITLE OF PROJECT</u>	<u>AMOUNT</u>
936	Dr. Laurence J.C. Ma, Geography	"Reform and Rural Industrial Development in China."	\$ 2,500.00
937	Ms. Chris McQuiston, Nursing	"Prevalence of Cervical Herpes, Condyloma, and Dysplasia on Papanicolaou Smears in a Student Health Clinic."	\$ 800.00
938	Dr. K.M. Mudry, Biomedical Engineering	"Optimal Codes for Artificial Ears."	\$ 2,500.00
939	Drs. Steven C. Myers and Richard W. Stratton, Economics	"Estimates of Sex-based Dis- crimination by Occupation."	\$ 1,100.00
940	Dr. Narender P. Reddy, Biomedical Engineering	"Noninvasive Measurement of Acceleration at the Knee Joint."	\$ 2,000.00
941	Drs. Arjan T. Sadhwani and M.H. Sarhan, Accounting	"Just-in-time: A Manufacturing System for High Productivity and Quality Improvement."	\$ 1,000.00
942	Dr. Ronald L. Salisbury, Biology	"Brain Sexual Differentiation in the Testicular Feminized Male."	\$ 1,700.00
943	Dr. John P. Szabo, Geology	"Bedrock-derived Petrographic Characteristics of Early Wisconsinian Till of North- eastern Ohio."	\$ 700.00
944	Dr. James W. Teeter, Geology	"Accelerator Mass Spectrometry Carbon-14 dated Salinity events in Holocene lake sediments, San Salvador, Bahamas."	\$ 1,600.--
945	Dr. G. Edwin Wilson, Jr. Chemistry	"Asymmetrically Substituted Vesicle Probes for Macrophage MDP Receptors."	\$ 1,400.00
			<hr/> \$38,955.00

APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, March 6, 1986

CURRICULUM CHANGES

Proposals AS-86-09, 11, 23, 25 and BA-86-05 were approved by the Academic Policies, Curriculum and Calendar Committee. All other proposals were approved by the Provost in accord with the curriculum procedure approved by University Council on December 12, 1974.

BUCHTEL COLLEGE OF ARTS AND SCIENCES

AS-86-09

Certificate in Soviet Area Studies

Change

Requirements:

To obtain a certificate in Soviet Area Studies, the undergraduate will satisfy the requirements for a baccalaureate major in the field of study of his or her choice. In addition the student will complete two years of Russian language (14 credits) and will also complete twelve additional credits in courses dealing with the study of the U.S.S.R. These courses may be selected from the following list.

Economics

3250:450/550 Comparative Economic Systems 3 credits

Geography

3350:358 U.S.S.R. 3 credits

History

3400:458/558 Russia to 1801 3 credits

3400:459/559 Russia Since 1801 3 credits

Political Science

3700:200 Comparative Politics 4 credits

3700:322 Soviet and East European Politics 3 credits

AS-86-11

Political Science

Change

Requirements for the degree in Political Science/Public Policy Management

I. Computer Science Requirements:

Drop the following as requirements:

3460:201 Introduction to Programming Languages 2 credits

3460:202 Introduction to Programming Languages 2 credits

3460:210 Computer Programming II 3 credits

3460:475/575 Data Base Management 3 credits

Add the following courses as requirements:

3460:126 Introduction to Basic Programming 1 credit

3460:209 Computer Programming I 3 credits

II. Management Requirements:

Add the following course as a requirement:

6500:324 Data Management for Information Systems 3 credits

APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, March 6, 1986

CURRICULUM CHANGES

BUCHTEL COLLEGE OF ARTS AND SCIENCES (Continued)

AS-86-11

Political Science (Continued)

III. Economic Requirements:

Drop as a requirement:
 3250:330 Labor Problems 3 credits

Note: The change in Sections I through III above produce an increase in electives in the program from 4 to 10 credits.

AS-86-15

Mathematical Sciences

Add	3460:206	<u>Introduction to C Programming, 2 credits</u> Prerequisite: programming experience and 3450:111,112,114 or 147 or equivalent. Provides the student with additional programming skills allowing access to assembly or high-level macros.
	3460:207	<u>Introduction to SAS Programming, 2 credits</u> Prerequisite: programming experience and 3450:111, 112, 114 or 147 or equivalent. Programming in the SAS language including SAS procedures to information storage and retrieval, data modification and programming, report writing and file handling.
	3460:302	<u>Programming Applications with COBOL, 3 credits</u> Prerequisite: 210 Applications of COBOL, JCL, and file manipulation; intended to introduce business data processing techniques to the business option Computer Science major. Does not meet major requirements for Math Option Computer Science students.
Prerequi- sites	3460:201	<u>Introduction to FORTRAN Programming, 2 credits</u> <u>TO</u> Prerequisite: 3450:111, 112, 114, or 147 or equivalent.
	3460:204	<u>Introduction to PL/1 Programming, 2 credits</u> <u>TO</u> Prerequisites: programming experience and 3450:111, 112, 114 or 147 or equivalent.
	3460:205	<u>Introduction to Pascal Programming, 2 credits</u> <u>TO</u> Prerequisites: programming experience and 3450:111, 112, 114 or 147 or equivalent. Does not meet Computer Science major, minor and/or certificate requirements.
	3460:210	<u>Computer Programming II, 3 credits</u> <u>TO</u> Prerequisites: 3460:209 and 3450:221 or 215.

APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, March 6, 1986

CURRICULUM CHANGES

BUCHTEL COLLEGE OF ARTS AND SCIENCES (Continued)

AS-86-15

Mathematical Sciences (Continued)

Prerequi-
sites

3460:307	<u>Applied Systems Programming</u> , 3 credits <u>TO</u> Prerequisite: 3460:306.
3460:426/526	<u>Operating Systems</u> , 3 credits <u>TO</u> Prerequisite 3460:307 and 316.
3460:440/540	<u>Compiler Design</u> , 3 credits <u>TO</u> Prerequisites: 3460:307 and 316.
3460:465/565	<u>Computer Organization</u> , 3 credits <u>TO</u> Prerequisite: 3460:306.
3460:475/575	<u>Data Base Management</u> , 3 credits <u>TO</u> Prerequisite: 3460:316.

Descrip-
tion

3460:202 Introduction to COBOL Programming, 2 credits Does not meet Computer Science major, minor and/or certificate requirements.

Number

3460:201-205 Introduction to Programming Languages, 2 credits TO 3460:201-207.

Change

Requirements for Computer Science Certificate

Add: A minimum grade point average of 2.0 in the certificate is required.

Change

Requirements for Computer Science major options

3460 COMPUTER SCIENCE

BACHELOR OF SCIENCE

-The General Studies and the second year of a foreign language

-Core Curriculum

		Credits
3460:209	Computer Programming I	3
3460:210	Computer Programming II	3
3460:306	Assembly Language Programming	3
3460:307	Applied Systems Programming	3
3460:316	Introduction to Data Structures	3
3460:418	Introduction to Discrete Structures	3
3460:420	Structured Programming	3
3460:426	Operating Systems	3

APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, March 6, 1986

CURRICULUM CHANGES

BUCHTEL COLLEGE OF ARTS AND SCIENCES (Continued)

AS-86-15

Mathematical Sciences (Continued)

Change Requirements for Computer Science major options (Continued)

OPTIONS

credits

MATHEMATICS

-Other required courses:

3450:221	Analytic Geometry-Calculus I	4
3450:222	Analytic Geometry-Calculus II	4
3450:223	Analytic Geometry-Calculus III	4
3450:427	Introduction to Numerical Analysis	3
3460:201	Introduction to FORTRAN Programming	2
3470:461	Applied Statistics	4
Select one of the following two courses:		
3450:312	Linear Algebra	3
3450:428	Numerical Linear Algebra	3

Electives -- approved upper-level Computer Science -- 12 credits.

credits

BUSINESS

-Other required courses:

3250:201	Principles of Macroeconomics	3
3250:202	Principles of Microeconomics	3
3450:215	Concepts of Calculus I	4
3450:216	Concepts of Calculus II	4
3450:115	Linear Programming	1
3460:302	Programming Applications with COBOL	3
3460:475	Data Base Management	3
3470:461	Applied Statistics	4
6200:201	Accounting I	4
6200:202	Accounting II	4
Select two of the following three courses:		
6400:371	Business Finance	3
6500:301	Management: Principles and Concepts	3
6600:300	Marketing Principles	3

-Electives -- approved upper-level Computer Science -- 6 credits.

APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, March 6, 1986

CURRICULUM CHANGES

BUCHTEL COLLEGE OF ARTS AND SCIENCES (Continued)

AS-86-23

Physics

Change Requirements for Computer Physics Certificate:

To qualify for the certificate program, a student must be in good academic standing in the major department and must submit a written request for admission to the director of the program. This course of study adds a component of both physics and computer science to a major in a traditional area of science. The physics courses, beyond Elementary Classical Physics, emphasize computer applications, including interfacing and data acquisition, data analysis, and use of computers to solve physical problems.

Physics

		Credits
3650:291,2	Elementary Classical Physics I,II	8
3650:325	Laboratory Data Analysis	3
3650:350	Computational Physics	3
3650:468	Digital Data Acquisition	3

Mathematics

3450:221,2	Analytic Geometry - Calculus I,II	8
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Computer Science

3460:209	Computer Programming I	3
3460:210	Computer Programming II	3

The certificate program has been structured to be accessible to most students working toward an undergraduate degree in a traditional area of science. The certificate may be combined with a minor in physics for students who wish to obtain a background in physics which emphasizes applications and uses of computers to collect and analyze data and to solve physical problems.

AS-86-25

Division of Natural Sciences

Change Requirements of the Natural Sciences Division Major:

NATURAL SCIENCES

The divisional major provides for a broad background in science with concentration in selected areas. It is an appropriate major for those preparing for admission to professional programs in medicine, dentistry or veterinary science or for those desiring a Liberal Arts degree with a general emphasis in science. Additional coursework is often necessary for those planning graduate studies in a particular science discipline. The natural sciences division consists of the departments of biology, chemistry, geology, mathematical sciences, physics, and polymer science. The divisional major must include:

APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, March 6, 1986

CURRICULUM CHANGES

BUCHTEL COLLEGE OF ARTS AND SCIENCES (Continued)

AS-86-25

Division of Natural Sciences (Continued)

- The General Studies
- A minimum of 64 credits in the division and/or engineering, at least 27 of which must be in divisional courses at the 300/400 level.
- At least 27 credits from one of the departments of the natural sciences division.
- At least 16 credits with at least two credits at the 300/400 level from another of the following disciplines: biology, chemistry, engineering, geology, mathematics or computer science or statistics, physics, polymer science.
- At least 16 credits from a third of these disciplines; or alternatively, at least eight credits in each of two other of these disciplines.
- A foreign language is strongly recommended.

The courses for the natural science division major must be selected from those courses approved by the department offering the course. In general, only courses available toward the major are acceptable. For further information, please contact the Office of the Dean, Buchtel College of Arts and Sciences.

AS-86-27

Modern Languages

Drop	3580:306	<u>Introduction to Hispanic Literature</u>
Prerequi- sites	3580:407/507, 411/511, 415/515 and 416/516	<u>TO 305 or permission</u>
Add	3580:412/512	<u>Cervantes: Don Quijote, 4 credits. Prerequisite: 3580:305 or permission of the Instructor. Reading and analysis of Don Quijote as the first modern novel in the historical context of Renaissance and Baroque esthetics. Conducted in Spanish.</u>
Titles Prerequi- site lectures. Descrip- Spanish. tion	3580:415/515	<u>Eighteenth and Nineteenth Century Spanish Literature TO Eighteenth and Nineteenth Century Spanish Drama and Poetry, 4 credits. Prerequisite: 3580:305 or permission. Reading, discussion and Study of Neoclasicismo and Romanticismo. Conducted in</u>
Add or	3580:416/516	<u>Nineteenth Century Spanish Prose, 4 credits. Prerequisite: 3580:305 permission. Reading, discussion and lectures. Study of Realismo, Naturalismo and La Generacion del 98. Conducted in Spanish.</u>
	3580:418/518	<u>Twentieth Century Spanish Prose, 4 credits. Prerequisite: 3580:305 or permission of the instructor. Reading and analysis of representative writers of prose fiction with a selection of works that illustrates major developments and themes. Conducted in Spanish.</u>

APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, March 6, 1986

CURRICULUM CHANGES

BUCHTEL COLLEGE OF ARTS AND SCIENCES (Continued)

AS-86-27

Modern Languages (Continued)

- Title 3580:419/519 Twentieth Century Spanish Literature, 4 credits TO Twentieth Century Spanish Drama/Poetry. Prerequisite: 3580:305 or permission of the instructor. Reading and analysis of representative writers of drama and poetry with a selection of works that illustrates the major developments and themes in both genres. Conducted in Spanish.
- Prerequ-
site
Descrip-
tion
- Title 3580:423/523 Spanish American Literature, 4 credits TO Spanish American Literature before 1900. Prerequisite: 3580:305 or permission. Reading of representative Spanish American literature from the discovery to 1900. Oral and written reports. Conducted in Spanish.
- Prerequi-
site
Descrip-
tion
- Add 3580:424/524 Twentieth Century Spanish-American Literature, 4 credits. Prerequisite 3580:305 or permission. Reading and analysis of selected dramas, essays, poems, and short fiction written by outstanding Spanish-American authors of this century. Conducted in Spanish.
- 3580:305 3580:425/525 20th Century Spanish-American Novel, 4 credits. Prerequisite:
or permission. Reading and discussion of representative contemporary Latin American novels. Conducted in Spanish.
- 3580:430/530 Women in Twentieth Century Hispanic Literature, 4 credits. Prerequisite: 3580:305 or permission. Reading and analysis of selected works from the twentieth century that depict women in Hispanic countries. Methodologies of feminist criticism will be studied. Conducted in Spanish.

BUSINESS ADMINISTRATION

BA-86-05

Change Master of Business Administration Degree Program:

In all concentrations of the MBA program (except Accounting), change the breadth requirement as follows:

6200:610 Accounting Management and Control (or alternate accounting elective - as approved by the Director of Graduate Programs)*

*Students with sufficient managerial accounting background must elect another accounting course to substitute for 6200:610 and such election must be approved by the Director of Graduate Programs in the College of Business Administration.

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CURRICULUM CHANGES

BUSINESS ADMINISTRATION (Continued)

BA-86-06

Prerequisite 6200:454 Information Systems, 3 credits TO Prerequisite: 6200:202, 355 or permission of instructor.

COMMUNITY AND TECHNICAL COLLEGE

CT-86-06

Public Service Technology

Title 2260:240 Drug Use and Abuse 3 credits TO Chemical Dependency

CT-86-07

Associate Studies Division

Add 2240:295 Practicum in Commercial Art 1, 2 or 3 credits Repeatable for a maximum of nine hours. Prerequisite: 7100:231, 232, 233. Controlled by portfolio competition or permission of the instructor. Provides experience through an internal design and production studio. Involves responsibilities for the design and production of communication materials. Includes organizational, accounting and managerial responsibilities.

COLLEGE OF ENGINEERING

EN-86-01

Civil Engineering

Credits 4300:230 Surveying, 4 credits TO 3 credits. Basic tools and computations for surveying: measurement of distance elevation, and angles; traverse surveys. Laboratory field practice.

EN-86-02

Civil Engineering

Effective Summer Session I

Credits 4300:341 Hydraulic Engineering, 2 credits TO 3 credits. Flow in pipe lines and pipe networks. Pumps and pumping stations. Seepage. Elements of hydrology. Flow in open channels. Design of hydraulic structures. Water resources engineering.

APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, March 6, 1986

CURRICULUM CHANGES

COLLEGE OF ENGINEERING (Continued)

EN-86-03

Civil Engineering

Change Requirements: to replace the requirement for 4300:445 with the option of taking at least one of the following:

4300:426	<u>Environmental Engineering Design</u>	3 credits
4300:427	<u>Water Quality Modeling</u>	3 credits
4300:443	<u>Applied Hydraulics</u>	3 credits
4300:445	<u>Hydrology</u>	3 credits

EN-86-06

Construction Technology

Add 4980:358 Advanced Estimating, 3 credits. Prerequisite: 4980:355 or permission of the instructor. This course focuses on estimating and bidding for public and private construction. Includes heavy/highway, industrial, and building construction with microcomputers to facilitate bid price.

EN-86-09

Electrical Engineering

Add 4400:675 System Simulation, 3 credits. Prerequisites: 4400:472 or permission of the instructor. This course is designed to provide the control engineer with tools necessary to simulate continuous systems on a digital computer. Topics include linear multistep methods, nonlinear methods, stiff systems, optimization, parallel computing, and simulations languages.

EN-86-10

Electrical Engineering

Add 4400:778 Adaptive Control, 3 credits. Prerequisites: 4400:671 or permission of instructor. This course will provide the advanced graduate student with the techniques required for the control of time-varying nonlinear, and stochastic systems. Topics include minimum prediction error control, least squares estimation, certainty equivalence adaptive control. Kalman filtering, minimum variance control, LQG control, and stochastic adaptive control.

APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, March 6, 1986

CURRICULUM CHANGES

COLLEGE OF ENGINEERING (Continued)

EN-86-11 (Part I Only)
Electrical Engineering

Descrip- 4400:446 Electronic Systems, 3 credits. Study of specific state-of-the-art
tions electronic systems: video systems, magnetic and optical recording
systems, optical communication links, frequency synthesis, frequency
and time standards, special electronic circuits and systems.

EN-86-17
Mechanical Engineering

Credits 4600:741 Optimization Theory and Applications, 2 credits TO 3 credits.

EN-86-18
Construction Technology

Add 4980:468 Construction Management, 3 credits. Prerequisite: Senior level
standing 4980:352 and 357. Construction Management takes established
construction practices, current technological advances, and latest
management methods and makes them into an efficient, smooth working
system.

EN-86-19
Construction Technology

Add 4980:470 Advanced Construction Graphics, 3 credits. This course focuses on
construction graphics through microbased CAD. Topics include
microcomputer systems, digitizers, plotters, printers, menus, keyboard
and mouse input, introduction and advance techniques.

EN-86-20
Mechanical Engineering

Add 4600:715 Hydrodynamic Stability, 3 credits. Prerequisites: 4600:660,
4600:620, or permission. Stability concepts, Stability of Benard
convection, Rayleigh-Taylor flow, Parallel shear layers, Bondary
layers, Asymptotic solution of Orr-Sommerfeld equation, Non-parallel
stability.

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CURRICULUM CHANGES

COLLEGE OF FINE AND APPLIED ARTS

FA-86-01

Communicative Disorders

Titles	7700:110	<u>Introduction to Speech Disorders, 3 credits TO</u> <u>Introduction to Disorders of Communication</u>
	7700:111	<u>Introduction to Phonetics, 2 credits TO</u> <u>Introduction to Phonology</u>
	7700:140	<u>Introduction to Audiology, 3 credits TO</u> <u>Introduction to Hearing Science</u>
	7700:210	<u>Applied Phonetics, 3 credits TO</u> <u>Applied Phonology</u>
	7700:321	<u>Speech Pathology I, 4 credits TO</u> <u>Communicative Disorders I</u>
	7700:322	<u>Speech Pathology II, 4 credits TO</u> <u>Communicative Disorders II</u>
	7700:350	<u>Clinical Practicum: Articulation, 1 credit TO</u> <u>Clinical Practicum: Articulation/Phonology</u>
	7700:450	<u>Introduction to Speech and Hearing Diagnostics, 3 credits TO</u> <u>Assessment of Communicative Disorders</u>
	7700:460/560	<u>Speech and Hearing Disorders in the Public Schools, 3 credits TO</u> <u>Speech - Language and Hearing Disorders in the Public Schools</u>
	7700:461	<u>Organization and Administration: Public School Speech and Hearing</u> <u>Programs, 2 credits TO</u> <u>Organization and Administration: Public School Speech-Language and</u> <u>Hearing Programs</u>
	7700:495	<u>Internship: Speech Pathology and Audiology, 3-6 credits TO</u> <u>Internship: Speech-Language Pathology and Audiology</u>
	7700:496	<u>Senior Honors Project: Speech Pathology and Audiology, 1-3 credits</u> <u>TO</u> <u>Senior Honors Project: Speech-Language Pathology and Audiology</u>

APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, March 6, 1986

CURRICULUM CHANGES

COLLEGE OF FINE AND APPLIED ARTS (Continued)

FA-86-02

Communicative Disorders

Add	Minor in Communicative Disorders	Credits
	Required Core Courses:	
	7700:110 Introduction to Disorders of Communication	3
	7700:120 Introduction to Audiology/Aural Rehabilitation	3
	7700:130 Bases and Structure of Languages	3
	7700:211 Introduction to Speech Science	2
	7700:430/530 Aspects of Normal Language Development	3
	Select at least four hours from the following:	
	7700:460/560 Speech-Language Hearing Disorders in the Public Schools	2
	7700:480 Seminar in Communicative Disorders	2
	7700:481 Special Projects: Communicative Disorders	1-3
	7700:483/583 Communication Disorders: Geriatric Population	3
	Total hours required:	18

FA-86-06

Music, Theatre and Dance

Title 7500:633 Repertoire and Pedagogy: Piano and Harpsichord, 2 credits TO Teaching and Literature: Piano and Harpsichord

FA-86-07

Music, Theatre and Dance

Add 7500:272 Piano Pedagogy and Literature II, 2 credits. Prerequisite: 7520:125 or permission of the instructor. A survey of piano literature at all levels of difficulty, with practical emphasis on its use for teaching.

FA-86-08

Music, Theatre and Dance

Number & Title 7500:264 Beginning Piano Pedagogy and Literature TO
 Title 7500:271 Piano Pedagogy and Literature I

FA-86-09

Art

Prerequisite-sites 7100:244 Color Concepts, 3 credits TO Prerequisites: 7100:144 or 7100:286 or 2240:124 and 7100:131.

APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, March 6, 1986

CURRICULUM CHANGES

COLLEGE OF FINE AND APPLIED ARTS (Continued)

FA-86-12
Communication

Prerequisite
site 7600:206 Feature Writing, 3 credits TO Prerequisites: 7600:201, ability to type or permission.

FA-86-13
Home Economics and Family Ecology

Add 7400:624 Advanced Human Nutrition I, 3 credits. Prerequisites: 7400:316 or equivalent. In-depth study of human nutrition emphasizing metabolism, physiological functions, and interrelationships of carbohydrate, protein and lipids and the determinants of human energy requirements.

FA-86-14
Home Economics and Family Ecology

Add 7400:640 Nutrition in Diminished Health, 3 credits. Prerequisite: 7400:428 or permission. An examination of concepts related to nutritional intervention associated with selected pathophysiological and debilitating conditions throughout the life cycle. Emphasis on current literature.

FA-86-15
Home Economics and Family Ecology

Add 7400:625 Advanced Human Nutrition II, 3 credits. Prerequisite: 7400:624 or equivalent. In-depth study of human nutrition with an emphasis in the utilization, physiological functions and interrelationships of vitamins and minerals.

FA-86-16
Home Economics and Family Ecology

Title
Corequisite
Description 7400:480 Community Nutrition, 3 credits TO Community Nutrition I, 3 credits. Prerequisite: 7400:316. Major concerns at international, national, and local levels. Emphasis on community assessment, program planning, implementation, evaluation, legislation, and rationales for nutrition services.

