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The University of Akron Faculty Senate Chronicle

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## Faculty Senate Chronicle March 16, 1981

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#### AREA MEETINGS WITH REGENTS' CHANCELLOR MOULTON

Dr. Sherman Vander Ark, the Akron Representative to the Faculty Advisory Committee to the Chancellor of the Ohio Board of Regents, has announced that Dr. Edward Q. Moulton has scheduled meetings in various sections of the state so that the universities may have a more convenient opportunity for dialogue with the Regents on the problems and concerns of Ohio higher education. The only meeting currently planned in this northeastern segment of the state will be held on Friday, March 27, in Cleveland at the Metro Campus of Cuyahoga Community College, at 9 a.m. in the North Dining Room of the Student Center. Any members of the faculty desiring further information may communicate with Dr. Vander Ark, ext. 6923.

#### SPRING COMMENCEMENT EXERCISES

For the first time, this May the University will hold two graduations. On Saturday morning, May 23, 1981, at 9 a.m. the doctoral and law degrees will be conferred at a joint ceremony in Thomas Hall, followed by a reception there. The 109th annual spring Commencement for all other degree recipients is scheduled for Sunday afternoon, May 24, 1981, at 2 p.m. in the Coliseum. The 29th annual Joint Army and Air Force ROTC Commissioning will take place in the Summit Lounge of the Gardner Student Center at 1:30 on Saturday afternoon, May 23. The President's traditional Senior Reception will be held in Thomas Hall on Sunday, May 17, 1981, from 3 to 5 p.m. Details concerning all of these ceremonies will be announced later.

#### UNIVERSITY DATES

March 19	Thomas Hall Cabaret Series presents "Mummenschanz", 8:15 p.m.
March 21	University Jazz Festival Concert, Thomas Hall, 8:15 p.m.
March 23-28	Spring Recess.
March 24	Akron Symphony Orchestra, with pianist Jerome Rose, Thomas Hall, 8:15 p.m.
March 30-31	Thomas Hall presents "The Best Little Whorehouse in Texas", 8:15 p.m.
April 2	Regular meeting of University Council, Leigh 307, 3 p.m.
April 3	Thomas Hall Gold Series presents the Atlanta Ballet, 8:15 p.m.
April 5	The University Symphony Band Concert, Thomas Hall, 8:15 p.m.
April 7	The University Glee Clubs Concert, Guzzetta Recital Hall, 8:15 p.m.
April 9-12, 15-16	University Theatre presents "Luann Hampton Lavery Oberlander", Sandefur Experimental Theatre, Guzzetta Hall, 8:15 p.m.
April 11	Thomas Hall Gold Series presents the Cleveland Opera Company in "Madame Butterfly", 8:15 p.m.
April 12	World-at-Our-Door Travelog with Andre de la Varre, Jr., narrating his color movies on "Charming Vienna", Thomas Hall, 2:30 p.m.
April 14	Akron Symphony Orchestra, with guest pianist Rudolf Firkusny, 8:15 p.m.
April 18	Louis Lane conducts University Chamber Orchestra, Guzzetta Recital Hall, 8:15 p.m.
April 21	Thomas Hall Theatre Series presents "For Colored Girls Who Have Considered Suicide When the Rainbow Is Enuf", 8:15 p.m.
April 26	University Concert Choir, Guzzetta Recital Hall, 8:15 p.m.

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MINUTES OF MEETING OF UNIVERSITY COUNCIL, March 5, 1981

The regular meeting of University Council was called to order by the Chairman, Senior Vice President Noel Leathers, at 3 p.m. on Thursday, March 5, 1981 in Leigh 307.

Forty-nine of the 73 members of Council (73 with the newly voted inclusion of Wayne General and Technical College representatives, and including four ex officio for 1980-81) were present. Those absent with notice were Dr. H. K. Barker, Dr. C. Carrino, Dr. M. d'Amico, Dr. L. DeYoung, Miss D. Dobrindt, Dr. J. W. Dunlap, Interim Dean J. Edminister, Dr. H. R. Grant (on leave), Dr. C. E. Griffin, Dean R. Hansford, Mr. T. Morin, Dr. K. Siloac, Mr. J. Taggart, Dr. D. VanDervort. Others absent were Mr. L. Calabrese, Miss M. Hiss, Mr. D. Jamison, Dr. W. Lehrman, Dr. W. McGucken, Mr. T. Parks, Mr. K. Pelanda, Dr. C. Poston, Dr. F. Sturm, Mr. D. VanDoros.

Dr. Leathers welcomed the two new representatives on the University Council—Dean Tyrone Turning and Mrs. Ellen Politella, Assistant Professor of History, at Wayne General and Technical College. He also noted that Mrs. Esther Ward would be attending the Council meetings this spring in anticipation of taking the minutes next fall, in succession to Miss Pardee. The Chairman also told the Council that the School of Law had approved additional curricular changes, and that these would be included with these minutes in the March issue of the Chronicle for the record. The Board of Trustees, he continued, on February 25 had approved the recommendations of Council to amend the Board Regulations (Division A, Article III, Section 7, "Retirement", and a title in the Appendix), to amend the University Council Bylaws to include Wayne General, and to approve the amendments to the Graduate Faculty Bylaws. The Council Bylaws updated page has already been circulated to the faculty, and the new pages for the Board Regulations will be in campus mail next Monday.

The Chairman then called for consideration of the minutes of the regular meeting of University Council of February 5, 1981 as printed in The University of Akron Chronicle of February 16, 1981. He called attention to several errors to be corrected: On page 3, the B.A. in Medical Technology (AS-81-26) should have read "B.S.", and on the next to last paragraph on that page, in the second/third lines, the words, "as a tag degree" should be deleted. On page 12, near the bottom (AS-81-7), delete the words "(three required)" after "Elective Courses". On page 15, AS-81-14 where there is a change in course 3460:426/526, the prerequisite should read "4450:306" not "4450:316". On pages 16-17, AS-81-8, the courses 3650:605 and 606 should have read "Computer Physics: Numerical Solutions to Physical Problems I and II," and in the description "Physics problems" should have read "Physical problems". With the acceptance of these corrections, the minutes were approved.

President Guzzetta announced that he had no further information to transmit to the Council since his meetings with 14 college and divisional groups within the last few days and his thorough coverage of the most current and interesting issue—the budget, etc. However, he would be happy to answer any questions from the Council. There were no queries at that time.

Proceeding with the reports of the standing committees, the Chairman called upon Dr. Bruce Holland to speak on behalf of the Procedural Committee. He responded that the Committee had met on February 18 to set the agenda for today's meeting. It also wished to call Council's attention to the fact that AS-81-11, passed by Council in February, changing the language requirement for the Ph.D. in Chemistry from two languages to one, did not appear in the February Chronicle. The deletion was required because the motion did not subsequently receive Graduate Council approval, which had been a condition of University Council's earlier approval. In considering this business, the Procedural Committee suggested there should be a more timely coordination of APCC and Graduate Council decisions, partly to preclude Council action from being delayed or nullified by subsequent action of Graduate Council.



MINUTES OF MEETING OF UNIVERSITY COUNCIL, 3/5/81, continued

Dr. Watt, speaking for the Academic Policies, Curriculum and Calendar Committee, presented the curricular changes summarized on the February 25, 1981 document circulated to Council. All the following proposals, as approved by Council, appear in the Appendix to the minutes of this meeting.

Dr. Watt said that AS-81-10 provided for an increase in Geology credits from 39 to 47. He moved approval of the proposed curricular change. The motion was seconded and carried.

Dr. Watt moved that BA-81-03 providing for changes in prerequisites including an alternate route in math in the College of Business Administration requirements be approved. The motion was seconded and carried.

Dr. Watt presented BA-81-04 in the Department of Marketing, including the designation of a tag degree as B.S.B.A./Marketing. He moved its adoption. The motion was seconded and carried.

Dr. Watt moved that BA-81-05 be approved providing for some curricular changes in Accounting with new requirements for its major. The motion was seconded and carried.

Dr. Watt said that there had been some objections to proposed revisions in the Public Service Technology program, but they had been resolved. He moved adoption of CT-81-05. The motion was seconded and carried.

Dr. Watt told the Council that the Allied Health Technology Division had requested a revision in its Surgical Technologist program to provide a Surgeon's Assistant Option. He moved approval of CT-81-10. The motion was seconded and carried.

Dr. Watt moved that CT-81-11 be approved, providing a change in requirements in the Bachelor of Science in Electronic Technology program. In response to Dr. Leathers' query, Dean Weyrick stated that these proposals did conform to the on-going study of the curriculum in the Community and Technical College. The motion was seconded and carried.

Dr. Watt moved that CT-81-14 be approved, providing a change in lecture/lab credits ratio in the Engineering and Science Technology program. The motion was seconded and carried.

Dr. Watt moved the approval of ED-81-9, changing the requirements for the master's degree in elementary education. The motion was seconded and carried.

Dr. Watt moved that ED-81-18 be approved, providing for an alternative curriculum in athletic training. Dr. Leathers questioned the terminology, assuming that the intent was for the training of athletic trainers. Following a brief discussion, this meaning was apparent by consensus. The motion was seconded and carried.

Dr. Watt said that some objections to some changes in the Construction Technology program had been resolved, and he moved the adoption of EN-81-5. The motion was seconded and carried.

Dr. Watt presented FA-81-3, concerning changes in the curriculum in the Department of Speech Pathology and Audiology related to accreditation. In answer to a query, it was explained that the department's new name, "Communicative Disorders", would not be effective until July 1, 1981. It was moved to approve FA-81-3, which was seconded and carried.



MINUTES OF MEETING OF UNIVERSITY COUNCIL, 3/5/81, continued

Following the summary of the course changes circulated to Council, according to Dr. Watt an additional request had been approved by Graduate Council to add a new course to the Master of Music degree program, 7500:698 Graduate Recital. 2 credits. And the 7500:699 was changed to read 4-6 credits. He moved that FA-81-4, including this new course, be approved. The motion was seconded and carried.

Dr. Watt cited the proposal by the Department of Home Economics and Family Ecology, FA-81-14, to revise its undergraduate core, and also to offer a Certificate Program in Interior Design, FA-81-17. He moved the approval of both, then seconded and carried.

A discussion followed concerning the limit of credits in a certificate program without Regents approval. Dr. Gent informed Council that it was 15 for graduate programs or less than half of the graduate requirements. Dr. Watt said there was no limit for undergraduate certificate programs.

The College of Nursing, Dr. Watt continued, has proposed a baccalaureate option, NU-81-6, and he moved its adoption, which was seconded and carried. The Provost expressed pleasure at this new program which would be highly significant for nurses not yet holding a college degree.

Dr. Watt moved that the interdisciplinary program leading to a certificate in Life-Span Development, CIP-81-2, be approved. The motion was seconded and carried.

Dr. Watt next said, "It was the unanimous recommendation of the Academic Policies, Curriculum and Calendar Committee that the current By-Pass Credit Policy be amended to include the following statement: 'A student would have to earn a grade of "C" or better in a course in order to be eligible for By-Pass Credit.'" He explained that the APCC Committee had carefully considered the proposal from Buchtel College and had unanimously approved the above statement.

Dr. Holland was concerned about original credit earned, and Dr. Farona felt that safeguards included in the original proposal from Buchtel College had been discarded so that prerequisites might not now be covered properly. Dr. Jackson considered that in Item D in the current policy the use of the word "prerequisite" was the key, and that the word "recommended" would become an appropriate substitute. Partly at issue was the fact that a course might require only some of the knowledge in a prerequisite course, not all, and therefore passing the higher course was not evidence of competency in all the knowledge of the prerequisite course. It was explained satisfactorily to Dr. Gwinn that a student could not receive By-Pass Credit in another department automatically.

When Dr. Leathers observed that the questions indicated a need for further study, Dr. Watt read the following recommendations which were included in Buchtel College's original proposal:

- "1. A student would have to earn a grade of 'C' or better in a course in order to be eligible for By-Pass Credit.
2. Each department would have to specifically designate in the University Bulletin which courses are available for By-Pass Credit.
3. The student would have to consult the department head concerned before enrolling in the course.
4. The student would then have to request the department head to certify By-Pass Credit to the Registrar."



MINUTES OF MEETING OF UNIVERSITY COUNCIL, 3/5/81, continued

The APCC considered and voted on each of the four separately and recommended only the first for approval by Council.

It was pointed out that the APCC Committee had the right to change the recommendations of any proposals submitted to it and that the Committee had not adopted the Buchtel College proposals completely.

Dr. Ruth Roberts asked that Council table the matter so that there would be more time to study the ramifications of the proposal.

Dean Weyrick concurred, but advocated a consideration of the entire matter, with comparisons of the present policy and various other options.

It was moved, seconded and carried that "A student would have to earn a grade of 'C' or better in a course in order to be eligible for By-Pass Credit."

It was moved by Dr. Faron to direct APCC to review the entire By-Pass Credit Policy. The motion was seconded by Dr. Buchthal and carried.

Dr. Watt then informed the Council that "it was the unanimous recommendation of the Academic Policies, Curriculum and Calendar Committee that the following statement be sent out from the Provost's Office to all Deans and Departments regarding circulation of curriculum changes [as requested by Dr. Lehrman at the February meeting of Council]: 'Dates by which final objections must be filed shall be determined by counting fifteen teaching days (excluding examination week) from the date of circulation. Consequently, proposals circulated toward the end of the fall semester will have to have deadline dates after the beginning of the spring semester. Dates should be placed on proposals only after assurance from Duplicating regarding date to be mailed out.'"

Dr. Watt moved that Council approve this policy. It was seconded and carried.

Continuing with the reports of the standing committees, Dr. Greene announced that "the Faculty Well-Being Committee had met on February 11 and March 5 with discussion focused primarily on the health care benefit package. Vice President Wayne Duff and Executive Director of Personnel William Jones were invited guests at the latter meeting. Committee members reported partial results of an informal survey of faculty which was meant to determine relative concerns with respect to the current University medical/dental plans. Items specifically ranked were: vision care, lower dental deductible, increase in major medical lifetime benefits, improvement in the surgical schedule, and increase in doctor fee schedule for in-hospital visits. At their request, results of this survey will be forwarded to Mr. Duff and Mr. Jones at the time of completion. In its discussions, the Committee indicated definite awareness of current budgetary restrictions and the Administration's emphasis on maintaining adequate salary increases for the 1981-82 academic year. On this basis, the Committee does not harbor great expectations with regard to short term health care improvements, but felt that knowledge of faculty concerns would be an important factor over the longer term."

Speaking for the Library and Learning Resources Committee, Dr. Focht said, "It had met on February 24. The two new appointees, Dr. Robert H. Jones and Dr. Jolita Kavaliunas, accepted assignment to the LLRC Budget Subcommittee. Miss Pauline Franks, Interim University Librarian, reported on the status of the library budget for serials. Expenditures to date have reached \$457,000 compared to the budgeted amount of \$450,000. The University Budget Committee had authorized that amount for 1980-81 to attempt to hold serials costs equal with the 1979-80 allocation."



MINUTES OF MEETING OF UNIVERSITY COUNCIL, 3/5/81, continued

The actual expenditure for serials in 1979-80 was about \$480,000. Miss Franks proposed that for the remainder of the year no invoices for serials would be paid automatically. They will be reviewed by the Library Administrative Council. If that group recommends that a title not be renewed, the appropriate department head will be notified. The committee agreed that this step should be taken and suggested that Miss Franks notify the faculty of this. We also recommended that she request permission from the University Budget Committee to spend at least as much as the actual 1979-80 expenditure of \$480,000. That permission has been received. Obviously, any expenditure over \$450,000 reduces the amount available for other materials by that amount. The committee and the library will attempt to put in place a rational method for decision-making for the entire fiscal year to be used in the future."

Dr. Gent stated that the Research (Faculty Projects) Committee had awarded 18 out of 23 grants submitted for the second and final part of the 1980-81 year, totaling \$23,778. This brought to 44 the number of grants for the entire year, amounting to \$78,712. Although this exceeded the \$75,000 budget, the fall grants had been underutilized, so that the current grants were covered. [ These grants are listed in the Appendix to these minutes. ]

Dr. Vander Ark, the Akron Representative on the Faculty Advisory Committee to the Chancellor of the Ohio Board of Regents, reported on the meeting in Columbus on February 25, 1981. He said that in meeting with representatives from other state universities, he is increasingly grateful for the strong leadership at The University of Akron provided by President Guzzetta and Provost Leathers. He says he feels more anxiety among his colleagues from other campuses, and that Akron enjoys higher respect because of its sound administration. He noted that the Chancellor is planning to hold meetings in various sections of the state so that the universities will have easier access to the Regents with greater opportunities for personal expression. For this area, the session is scheduled for Friday, March 27, at Tri-C (Cuyahoga Community College). He will find out the exact location and hours and notify the Council.\* This will be the only one in northeastern Ohio. [ His full report of the meeting appears in the Appendix to these minutes. ]

The meeting was adjourned at 3:55 p.m.

\*Note:

The meeting will open at 9 a.m. in the North Dining Room of the Student Center on the Metro Campus, Cleveland.

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APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, March 5, 1981

CURRICULUM CHANGES

SCHOOL OF LAW

Pursuant to prior University Council authorization (Minutes, February 19, 1970, page 12 of the Faculty Bulletin, March 5, 1970 issue), I certify that the following course changes have been duly adopted by the Faculty of the School of Law at its February 12, 1981 meeting, all to be effective fall semester 1981 and thereafter, and are submitted for filing with the University Council Minutes.

—Albert S. Rakas, Interim Dean

[LS-81-7]

Change	9200:666	<u>Moot Court.</u> 1 credit. May be repeated once. Credit for participation by brief writing or written argumentation in intramural National Moot Court, Jessup International, or other approved moot court competitions. Not open to First-Year students. Graded Credit/Noncredit. Total credits for courses designated Moot Court (666, 694 and 695) not to exceed four hours. Credit for 656, 657, 658, 666, 694, 695, 696, 697 and 698 not to exceed ten hours.
Description		
Add	9200:694	<u>Regional Moot Court.</u> 1 credit. Prerequisite, open only to members of the National Moot Court Team competing or acting as alternates in the National Appellate Advocacy Competition (NAAC) Spring Regional Competition. Each person enrolled for credit will be required to: (1) do substantial research on the brief problem; (2) prepare preliminary drafts of arguments; (3) participate in practice rounds for oral presentations. Graded Credit/Noncredit. Total credits for courses designated Moot Court (666, 694 and 695) not to exceed four hours. Credit for 656, 657, 658, 666, 694, 695, 696, 697 and 698 not to exceed ten hours.
	9200:695	<u>National Moot Court.</u> 2 credits. Prerequisite, open only to National Moot Court Team members or persons acting as alternates in the National Moot Court Competition. Each person enrolled for credit will be required to: (1) read and grade all intramural competition briefs; (2) listen to and judge oral arguments in intramural competition; (3) do substantial research on current National Moot Court problem; (4) prepare drafts of brief; (5) write a final brief; (6) practice oral arguments. Graded Credit/Noncredit. Total credits for courses designated Moot Court (666, 694 and 695) not to exceed four hours. Credit for 656, 657, 658, 666, 694, 695, 696, 697 and 698 not to exceed ten hours.

The following curriculum changes, in accordance with the Curricula Change Process adopted by University Council on December 12, 1974, have had final approval by the Senior Vice President and Provost, or through specific vote by University Council, all effective September 1981 (unless otherwise noted):

BUCHTEL COLLEGE OF ARTS AND SCIENCES

Department of Geography

[AS-81-21]

Add	3350:102	<u>Food, Energy, and People.</u> 3 credits. The present and future significance of the interrelationships of population growth, food, and energy availability at a worldwide scale will be studied by both forecasting methods and scenario considerations.
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APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 3/5/81, continued  
CURRICULUM CHANGES, continued

BUCHTEL COLLEGE OF ARTS AND SCIENCES, continued

Department of Geology

[AS-81-10]

Change Bachelor of Science Program in Geology to be changed (no changes in the Bachelor of Arts or the Bachelor of Science—Geophysics option), with the requirements to be:

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

At least 47 credits in the Department of Geology including the following:

- 3370:101 Introductory Physical Geology. 4 credits.
- 3370:102 Introductory Historical Geology. 4 credits.
- 3370:210 Geomorphology. 3 credits.
- 3370:230 Mineralogy: Crystallography. 3 credits.
- 3370:230 Mineralogy: Minerals. 3 credits.
- 3370:233 Petrology. 2 credits.
- 3370:324 Sedimentation and Stratigraphy. 3 credits.
- 3370:350 Structural Geology. 4 credits.
- 3370:360 Introductory Invertebrate Paleontology. 4 credits.
- 3370:395 Field Methods in Geology. 2 credits.
- 3370:432 Optical Mineralogy. 3 credits.
- 3370:496 Geology Field Camp. 6 credits.

400 level courses. 6 credits.

Non-geology courses required for majors:

- 3150:132-33 Principles of Chemistry I-II. 7 credits.
- 3450:221-22 Analytic Geometry-Calculus I-II. 8 credits.
- 3650:231-32 Concepts of Physics I-II. 8 credits. OR  
Equivalent.

Electives:

Additional work in a supporting science, mathematics, or engineering is strongly recommended. During the first year, students intending to major in geology should consult a member of the faculty.

Department of Urban Studies

[AS-81-4]

Add 3980:614 Ethics and Public Service. 3 credits. Prerequisite, permission.  
An examination of the ethical problems and implications of decisions and policies made by those whose actions impact upon the broad public. Case studies of decision making in both the public sphere (government) and the private sphere (business and the professions) are studied in relation to classical literature in ethical theory.



APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 3/5/81, continued  
CURRICULUM CHANGES, continued

COLLEGE OF ENGINEERING

Department of Mechanical Engineering

[EN-81-6]

Change Credits 4600:484      Mechanical Engineering Laboratory. From 1 credit TO 2 credits.

[EN-81-4]

Change Pre-requisites	4600:310	<u>Fluid Mechanics.</u> 3 credits. Prerequisite, 4600:203.
	4600:315	<u>Heat Transfer.</u> 3 credits. Prerequisites, 4600:300, 310, 160, or 4450:206.
	4600:337	<u>Design of Mechanical Components.</u> 3 credits. Prerequisite, 4600:336.
	4600:360	<u>Engineering Analysis.</u> 3 credits. Prerequisites, 3450:235, 4450:206 or 4600:160.
	4600:396	<u>Computer Methods Laboratory.</u> 1 credit. Prerequisites, 3450:235, 4450:206 or 4600:160.
	4600:415/516	<u>Heat Transfer Processes.</u> 3 credits. Prerequisite, 4600:315. Delete "Continuation of 315."
	4600:430/530	<u>Machine Dynamics.</u> 3 credits. Prerequisites, 4600:203, 321, 160 or 4450:206.
	4600:610	<u>Dynamics of Viscous Flow I.</u> 3 credits. Prerequisites, 4600:301, 310, or equivalent.
	4600:615	<u>Conduction Heat Transfer.</u> 3 credits. Prerequisite, 4600:315 or equivalent.
	4600:616	<u>Convection Heat Transfer.</u> 3 credits. Prerequisite, 4600:315 or equivalent.
	4600:617	<u>Radiation Heat Transfer.</u> 3 credits. Prerequisite, 4600:315 or equivalent.
	4600:629	<u>Nonlinear Engineering Problems.</u> 3 credits. Prerequisite, 4600:622.
	4600:630	<u>Mechanical Vibrations II.</u> 3 credits. Prerequisite, 4600:431/531 or equivalent.
	4600:642	<u>System Analysis and Control Design.</u> 3 credits. Prerequisite, 4600:440 or equivalent.
	4600:731	<u>Random Vibrations.</u> 3 credits. Prerequisite, 4600:630 or equivalent.
	4600:763	<u>Advanced Methods in Engineering Analysis.</u> 3 credits. Pre-requisite, 3450:235 or equivalent.



APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 3/5/81, continued  
CURRICULUM CHANGES, continued

COLLEGE OF ENGINEERING, continued

Department of Mechanical Engineering, continued

[EN-81-4], continued

Change Pre- requisites, Description	4600:160	<u>Engineering Design: Mechanical Engineering.</u> 1 credit. Introduction to engineering profession. Engineering curriculum and programs of study. Introduction to the use of the digital computer.
	4600:336	<u>Analysis of Mechanical Components.</u> 3 credits. Prerequisites, 4300:202, 4450:206 or 4600:160. Analysis of stress and strain at a point. Mohr's circles, shear centers, elastic instability. Stresses in thick and thin cylinders. Fatigue analysis.
	4600:600	<u>Gas Dynamics.</u> 3 credits. Prerequisite, 4600:411/511. Derivation of equations for multi-dimensional irrotational flow of a compressible fluid. Method of small perturbations. Method of characteristics. Ideal Flow Theory. Transonic flow. One-dimensional unsteady flow.
	4600:608	<u>Thermodynamics.</u> 3 credits. Prerequisite, 4600:310 or equivalent. Extension and generalization of basic laws of thermodynamics with application to a variety of physical and biological systems. Introduction to irreversible thermodynamics, the third law and statistical thermodynamics.
	4600:618	<u>Boiling Heat Transfer and Two-Phase Flow.</u> 3 credits. Prerequisites, 4600:301, 315, or equivalent. Current techniques to determine heat transfer and pressure drop in components such as boilers, heat exchangers, and steam generators, with boiling. Boiling mechanism, slip ratio, critical heat flux and instabilities in boiling flow systems.
	4600:622	<u>Continuum Mechanics.</u> 3 credits. Prerequisites, 4600:336 or permission. Analysis of stress and deformation at a point. Derivation of fundamental field equations of fluid and solid mechanics by applying basic laws of dynamics, conservation of mass and energy. Development of constitutive laws.
	4600:625	<u>Analysis of Mechanical Components.</u> 3 credits. Prerequisites, 4600:337 or equivalent. Theories of failure and plastic flow. Fatigue, creep analysis and introduction to fracture mechanics.
	4600:681	<u>Design of Rubber Components.</u> 2 credits. Prerequisite, 4600:337 or equivalent. Principles of design of elastomeric products, emphasizing analytical treatments of elastic behavior and mechanisms of failure of resilient mountings, springs, seals, bearings and tires.
	4600:710	<u>Dynamics of Viscous Flow II.</u> 3 credits. Prerequisite, 4600:610. Introduction to turbulence. Turbulence modeling and turbulent boundary layers. Practical methods of solution of boundary layer problems. Transition process.



APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 3/5/81, continued  
CURRICULUM CHANGES, continued

COLLEGE OF ENGINEERING, continued

Construction Technology Program

[EN-81-5]

Change Revision of Requirements in Bachelor of Construction Technology Program

Waiving of required course

1100:111 English Composition. 4 credits.

Additional requirements

4 credits of Technical Electives

Add to list of Technical Electives

4450:206 FORTTRAN (Science and Engineering). 2 credits.

4300:361 Transportation Engineering. 3 credits.

Delete from list of Technical Electives

3370:350 Structural Geology. 4 credits.

3370:411/511 Glacial Geology. 2 credits.

3370:474/574 Ground Water Hydrology. 3 credits.

Change Numbers	4980:461	<u>Construction Formwork.</u>	3 credits.	<u>TO</u>
	4980:361	<u>Construction Formwork.</u>	3 credits.	

	4980:353	<u>Legal Aspects of Construction.</u>	2 credits.	<u>TO</u>
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	4980:453	<u>Legal Aspects of Construction.</u>	2 credits.	
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Add	4980:465	<u>Heavy Construction Methods.</u> 3 credits (3-0). Prerequisite, 2980:232 or 4300:472. Management techniques in planning, estimating and directing heavy construction operations.		
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	4980:356	<u>Safety in Construction.</u> 2 credits (2-0). The construction industry has long recognized that construction is a high risk activity and that active safety measures are needed. The purpose of this course is to explain what creates the hazards and why, and to suggest where to anticipate trouble in each phase of the work as it progresses.		
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COLLEGE OF EDUCATION

Department of Elementary Education

[ED-81-9]

Change Requirements for the Master's Degree to be changed to be

- a. Thirty-six hours of coursework OR
- b. Thirty hours of coursework which include two hours of 5200:699 Research in Education.

[ED-81-1]

Add	5200:666	<u>Individualized Instruction: Learning Style Identification and Resource Prescription.</u> 3 credits. Prerequisites, permission of instructor and 5200:630. Identification of individual learning style characteristics, practical approaches in individualization of instruction, multisensory resource development and prescription.		
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APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 3/5/81, continued  
CURRICULUM CHANGES, continued

COLLEGE OF EDUCATION, continued  
Department of Physical Education  
[ED-81-18]

- Add                    5550:341        Advanced Athletic Injury Management. 4 credits. Prerequisites, 3100:206, 3100:207, 5550:201, 5550:202, 5550:340. Advanced athletic training techniques for the student desiring to become a certified trainer according to the regulations of the National Athletic Trainers Association.
- 5550:460        Practicum in Physical Education. 3-6 credits. Prerequisites, senior standing and permission of the student's advisor. Practical work experience with certified personnel in a discipline or profession related to physical education. The experience will be a cooperative effort of the student's advisor, the student, and agency personnel directly involved with the practicum.

[ED-81-18]

Add        Alternative Curriculum in Athletic Training, as a major field of study for a student who chooses not to do student teaching, but to acquire a teaching certificate, to be:

Required General Studies Courses—39 credits

- 1100:105        Introduction to Public Speaking. 3 credits. OR  
1100:106        Effective Oral Communication. 3 credits.  
1100:111-112    English Composition. 8 credits.  
1100:115-116    Institutions in the United States. 6 credits.  
1100:120-190    Physical Education. 1 credit.  
1100:320-321    Western Cultural Traditions. 8 credits.  
1100:330-335    Eastern Civilizations. 4 credits.  
                         Mathematics. 3 credits.  
                         Natural Science. 6 credits.

Required Professional Education Courses—16 credits

- 5100:150        Introduction to Professional Education. 3 credits.  
5100:250        Human Development and Learning. 3 credits.  
5100:350        Educational Measurement and Evaluation. 2 credits.  
5100:450        Problems in Education. 2 credits.  
5300:265        Orientation to Secondary Education. 1 credit.  
5300:310        Principles of Teaching in the Secondary School. 3 credits.  
5300:345        Human Relations in Secondary Education. 1 credit.  
5300:445        Minicomputer Applications in Secondary Classroom. 1 credit. OR  
5300:455        Career Options in Secondary Education. 1 credit.

Athletic Training Curriculum—Required—50-53 credits

- 3100:206        Anatomy and Physiology. 3 credits.  
3100:207        Anatomy and Physiology. 3 credits.  
3750:100        Introduction to Psychology. 3 credits.  
5550:201        Kinesiology. 2 credits.  
5550:202        Physiology of Exercise. 3 credits.  
5550:211        First Aid. 2 credits.  
5550:340        Care and Prevention of Athletic Injuries. 3 credits.  
5550:341        Advanced Athletic Injury Management. 4 credits.



APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 3/5/81, continued  
CURRICULUM CHANGES, continued

COLLEGE OF EDUCATION, continued

Department of Physical Education, continued

[ED-81-18] Athletic Training Curriculum, continued

Required Courses, continued

5550:345	<u>Adapted Physical Education.</u> 2 credits.
5550:395	<u>Field Experience.</u> 3 credits.
5550:460	<u>Practicum in Physical Education.</u> 3-6 credits.
5550:497	<u>Independent Study.</u> 2 credits.
5570:101	<u>Personal Health.</u> 2 credits.
5570:201	<u>Consumer Health, Weight Control and Exercise.</u> 3 credits.
5570:202	<u>Stress, Lifestyle, and Your Health.</u> 3 credits.
5570:320	<u>Community Hygiene.</u> 2 credits.
5570:321	<u>Organization and Administration of School Health.</u> 4 credits.
7400:133	<u>Nutrition Fundamentals.</u> 3 credits.

Electives—17-21 credits

In conjunction with their advisor, students shall select at least 17-21 semester credits of coursework from the following areas. The courses are to be selected to best meet student needs and professional aspirations.

Biology  
Business  
Education  
Home Economics and Family Ecology  
Life-Span Development: Adulthood and Aging  
Psychology  
Sociology

Total Credits in Athletic Training 67-74

For NATA Certification students must successfully complete the course of study, must participate in at least 300 hours of practical field and clinical experience during a two-year period, and must pass the NATA certification test. The courses 5550:395 and 5550:460 substitute for student teaching in the regular teacher certification program.

COLLEGE OF BUSINESS ADMINISTRATION

[BA-81-3]

Change

Revision of Requirements in College of Business Administration courses to be:

- a. The behavioral science prerequisite to CBA courses may be satisfied by two courses (6 credits) chosen from Psychology, Sociology and/or Cultural Anthropology or the existing requirements.
- b. The mathematics requirement for CBA students may be satisfied by another alternative route with completion of the following courses (12 credits):

3450:149	<u>Precalculus.</u> 3 credits.
3450:211	<u>Calculus for Life Sciences I.</u> 4 credits.
3450:212	<u>Calculus for Life Sciences II.</u> 4 credits.
3450:138	<u>Mathematics of Finance.</u> 1 credit.
- c. Recommended electives for mathematics alternatives are included on the "List of Courses in Math under Three Alternatives" [following].



APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 3/5/81, continued  
CURRICULUM CHANGES, continued

COLLEGE OF BUSINESS ADMINISTRATION, continued

[BA-81-3] Revision of Requirements in College of Business Administration courses, continued

List of Courses in Math under Three Alternatives

<u>Present MUM Requirements</u>			<u>Present Calculus Option</u>			<u>New Second Math Option</u>		
3450:111	<u>Algebra</u>	1	3450:149	<u>Precalculus</u>	3	3450:149	<u>Precalculus</u>	3
112	<u>Algebraic, etc.</u>	1	221	<u>Analytic Geom.</u>	4	211	<u>Calculus, etc.</u>	4
113	<u>Combinatorics</u>	1	138	<u>Math &amp; Fin.</u>	1	212	<u>Calculus, etc.</u>	4
114	<u>Matrices</u>	1				138	<u>Math &amp; Fin.</u>	1
121	<u>Analytic Geom.</u>	1						
122	<u>Diff. Calculus</u>	1						
123	<u>Integral Calculus</u>	1						
138	<u>Math &amp; Fin.</u>	<u>1</u>						
		8			8			12
<u>Recommended Electives</u>			<u>Recommended Electives</u>			<u>Recommended Electives</u>		
3450:115	<u>Linear Prog.</u>	1	3450:114	<u>Matrices</u>	1	3450:114	<u>Matrices</u>	1
117	<u>Intro. to Trig.</u>	1	222	<u>Calculus II</u>	4	327	<u>Intro. to Num.</u>	3
118	<u>Trig. Functions</u>	1	223	<u>Calculus III</u>	4			
124	<u>Calculus &amp; Trig.</u>	1	327	<u>Intro. to Num.</u>	3			
148	<u>Elem. Functions</u>	2						
327	<u>Intro. to Num.</u>	3						
3460:201	<u>FORTTRAN</u>	2	3460:201	<u>FORTTRAN</u>	2	3460:201	<u>FORTTRAN</u>	2
202	<u>COBOL*</u>	2	202	<u>COBOL*</u>	2	202	<u>COBOL*</u>	2
203	<u>APL</u>	2	203	<u>APL</u>	2	203	<u>APL</u>	2
204	<u>PL/1</u>	2	204	<u>PL/1</u>	2	204	<u>PL/1</u>	2
205	<u>PASCAL</u>	2	205	<u>PASCAL</u>	2	205	<u>PASCAL</u>	2
3470:251	<u>Des. Statistics**</u>	1	3470:251	<u>Des. Statistics**</u>	1	3470:251	<u>Des. Statistics**</u>	1
252	<u>Distribution**</u>	1	252	<u>Distribution**</u>	1	252	<u>Distribution**</u>	1
253	<u>Hypothesis**</u>	1	253	<u>Hypothesis**</u>	1	253	<u>Hypothesis**</u>	1

\*Applicable credit if scheduled before 6200:355.

\*\*Applicable credit if scheduled before 6500:321.

Recommended electives should be scheduled during sophomore year to enhance problem-solving skills.

Department of Accounting

[BA-81-6]

Change Credits 6200:647 Deferred Compensation. From 2 credits TO 3 credits.

[BA-81-5]

Change Pre-requisites 6200:430 Taxation I. 3 credits. Change prerequisite from 6200:318 TO 6200:317.

6200:431 Taxation II. 3 credits. Add to prerequisite: 6200: 317 and "Required of all accounting majors."



APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 3/5/81, continued  
CURRICULUM CHANGES, continued

COLLEGE OF BUSINESS ADMINISTRATION, continued

Department of Accounting, continued

[BA-81-5]

Change Re-      The following course now to be required of all accounting majors:  
quirements      6200:420      Advanced Accounting. 3 credits.

Requirements for graduation to be changed as follows:

6200:460      Controllership Problems. 3 credits.      OR  
6200:454      Accounting Systems. 3 credits.

Requirements for a major in accounting to be as follows (32 credits):

6200:301      Cost Accounting. 3 credits.  
6200:317      Intermediate Accounting I. 4 credits.  
6200:318      Intermediate Accounting II. 4 credits.  
6200:440      Auditing. 3 credits.  
6200:460      Controllership Problems. 3 credits.      OR  
6200:454      Accounting Systems. 3 credits.  
6200:430      Taxation I. 3 credits.  
6200:431      Taxation II. 3 credits.  
6200:420      Advanced Accounting. 3 credits.  
6400:322      Business Law II.\* 3 credits.  
3250:380      Money and Banking\*. 3 credits.      OR  
6400:338      Financial Intermediaries.\* 3 credits.

6200:355      Electronic Data Processing. 3 credits. This is a requirement for an accounting major, even though the College classifies that course in the core program. The grade in 6200:355 is not included in the major grade-point average.

\*Grade not included in major grade-point average.

Department of Marketing

[BA-81-4]

Change      To change the name of the baccalaureate degree offered by the Department from the B.S.B.A. to the B.S. in Marketing or B.S.B.A./Marketing.

To increase the number of credits required of Marketing majors from 15 to 18.

Drop      6600:480/580      Marketing Cases and Problems. 3 credits.

Change      6600:470/570      Sales Administration. 3 credits.      TO  
6600:380      Sales Management. 3 credits.

6600:629      International Business Enterprise. 3 credits.      TO  
6600:429/529      International Business Enterprise. 3 credits. Prerequisite, 6600:300. Provides a comprehensive overview of international business with an emphasis on understanding the interactions between factors in the global environment and the decision-making of the multinational organization.



APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 3/5/81, continued  
CURRICULUM CHANGES, continued

COLLEGE OF BUSINESS ADMINISTRATION, continued

Department of Marketing, continued

[BA-81-4]

Change	6600:350	<u>Advertising. 3 credits. TO</u>
	6600:350	<u>Advertising and Marketing Communications. 3 credits.</u> The full range of marketing communication elements is explored. Emphasis is placed on the role of each element and the coordination required of the marketing manager in developing a successful and systematic program of marketing communications.
	6600:430	<u>Promotional Strategies. 3 credits. TO</u>
	6600:430	<u>Promotional Campaigns. 3 credits.</u> Prerequisite, 6600:350. Examination of the total communications efforts involved in planning, developing, and monitoring promotional campaigns. Stress is placed on understanding the nature and roles of the advertiser, agency and support services.
Add	6600:390	<u>Management of Marketing Channels. 3 credits.</u> Prerequisite, 6600:300. An integrative approach to the analysis of marketing channels of distribution to complement the more specialized analyses of retailing, wholesaling, and physical distribution. The course stresses the interaction of firms comprising a channel and the nature of the managerial decisions designed to coordinate the efforts of the group of institutions that make up a channel of distribution.
	6600:420/520	<u>Logistics Systems Analysis. 3 credits.</u> Prerequisite, 6600:320. Advanced course in business logistics stressing the application of quantitative techniques in the design and operation of individual logistics components as well as the integration of the total logistics system in the firm. Emphasis on student's evaluation and solving of logistics problems.
	6600:465/565	<u>Forecasting and Quantitative Methods in Marketing. 3 credits.</u> Prerequisite, 6600:460 or permission. Explores the structural elements of the firm's marketing information system and the more sophisticated processes and tools available to marketing researchers and decision-makers. Stress is placed upon understanding quantitative and analytical tools and the many marketing applications of these tools.
	6600:440/540	<u>Product Planning. 3 credits.</u> Prerequisite, 6600:300. An in-depth study of the tools and techniques involved in the new product development process and the management of the product through its life cycle. Emphasis is placed on alternative forms of corporate structures for product development and management, product policies and strategies, and product planning procedures and techniques. Differences between consumer and industrial products are explored.



APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 3/5/81, continued  
CURRICULUM CHANGES, continued

COLLEGE OF BUSINESS ADMINISTRATION, continued

Department of Marketing, continued

[BA-81-4]

Change     Include five tracks within the Marketing degree to be designated as Industrial Marketing, International Marketing, Marketing Communications, Physical Distribution and Retail Marketing (18 credits each), as follows:

Industrial Marketing Track

Required—12 credits

6600:360     Industrial Marketing. 3 credits.  
6600:370     Purchasing. 3 credits.  
6600:460     Marketing Research. 3 credits.  
6600:380     Sales Management. 3 credits.

Options—6 credits from the following\*

6600:320     Physical Distribution. 3 credits.  
6600:390     Management of Marketing Channels. 3 credits.  
6600:440     Product Planning. 3 credits.  
6600:465     Forecasting and Quantitative Methods in Marketing. 3 credits.

International Marketing Track

Required—9 credits

6600:330     International Marketing. 3 credits.  
6600:429     International Business Enterprise. 3 credits.  
6600:460     Marketing Research. 3 credits.

Options—9 credits from the following\*

6600:310     Buyer Behavior. 3 credits.  
6600:465     Forecasting and Quantitative Methods in Marketing. 3 credits.  
3250:450     Comparative Economic Systems. 3 credits.  
3250:461     Principles of International Economics. 3 credits.  
6600:320\*\*     Physical Distribution. 3 credits.  
6600:390\*\*     Management of Marketing Channels. 3 credits.  
6600:440\*\*     Product Planning. 3 credits.

\*\*Not more than one course to be selected from this group.

Marketing Communication Track

Required—12 credits

6600:310     Buyer Behavior. 3 credits.  
6600:350     Advertising and Marketing Communications. 3 credits.  
6600:430     Promotional Campaigns. 3 credits.  
6600:460     Marketing Research. 3 credits.

Options—6 credits from the following\*

6600:340     Retail Management. 3 credits.  
6600:380     Sales Management. 3 credits.  
6600:440     Product Planning. 3 credits.  
6600:465     Forecasting and Quantitative Methods in Marketing. 3 credits.

\*In addition, 3 credits of 6600:490 Workshop in Marketing, 6600:495 Internship in Marketing, 6600:497 Honors Project, or 6600:499 Independent Study in Marketing may be substituted for any one option with the permission of the Marketing Department Head.



APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 3/5/81, continued  
CURRICULUM CHANGES, continued

COLLEGE OF BUSINESS ADMINISTRATION, continued

Department of Marketing, continued

[BA-81-4)

Five Tracks within the Marketing degree, continued

Physical Distribution Track

Required—9 credits

6600:320	<u>Physical Distribution.</u> 3 credits.
6600:460	<u>Marketing Research.</u> 3 credits.
6600:420	<u>Logistics Systems Analysis.</u> 3 credits.

Options—9 credits from the following\*

6600:360	<u>Industrial Marketing.</u> 3 credits.
6600:370	<u>Purchasing.</u> 3 credits.
6600:390	<u>Management of Marketing Channels.</u> 3 credits.
6600:465	<u>Forecasting and Quantitative Methods in Marketing.</u> 3 credits.
6200:301	<u>Cost Accounting.</u> 3 credits.

Retail Marketing Track

Required—9 credits

6600:310	<u>Buyer Behavior.</u> 3 credits.
6600:340	<u>Retail Management.</u> 3 credits.
6600:460	<u>Marketing Research.</u> 3 credits.

Options—9 credits from the following\*

6600:350	<u>Advertising and Marketing Communications.</u> 3 credits.
6600:380	<u>Sales Management.</u> 3 credits.
6600:390	<u>Management of Marketing Channels.</u> 3 credits.
6600:465	<u>Forecasting and Quantitative Methods in Marketing.</u> 3 credits.
6200:301	<u>Cost Accounting.</u> 3 credits.

\*In addition, 3 credits of 6600:490 Workshop in Marketing, 6600:495 Internship in Marketing, 6600:497 Honors Project, or 6600:499 Independent Study in Marketing may be substituted for any one option with the permission of the Marketing Department Head.

COLLEGE OF FINE AND APPLIED ARTS

Department of Art

[FA-81-11]

Change Title	7100:131	<u>Drawing I.</u> 3 credits. <u>TO</u>
	7100:131	<u>Introduction to Drawing.</u> 3 credits.

[FA-81-11 and 12]

Change Title,	7100:213	<u>Lithography.</u> 3 credits. <u>TO</u>
Prerequisites	7100:213	<u>Introduction to Lithography.</u> 3 credits. Prerequisites, 131, and 144 or 231.

7100:214	<u>Serigraphy.</u> 3 credits. <u>TO</u>
7100:214	<u>Introduction to Screen Printing.</u> 3 credits. Prerequisites, 131, and 144 or 231.

7100:215	<u>Relief Printing.</u> 3 credits. <u>TO</u>
7100:215	<u>Introduction to Relief Printing.</u> 3 credits. Prerequisites, 131, and 144 or 231.



APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 3/5/81, continued  
CURRICULUM CHANGES, continued

COLLEGE OF FINE AND APPLIED ARTS, continued

Department of Art, continued

[FA-81-11 and 12]

Change Title, 7100:216

Prerequisites 7100:216

Intaglio Printing. 3 credits. TO

Introduction to Intaglio Printing. 3 credits. Prerequisites, 131, and 144 or 231.

7100:245

Polymer Acrylic Painting. 3 credits. TO

7100:245

Introduction to Polymer Acrylic Painting. 3 credits. Prerequisites, 131 and 144.

7100:246

Water Color Painting. 3 credits. TO

7100:246

Introduction to Water Color Painting. 3 credits. Prerequisites, 131 and 144.

7100:247

Oil Painting. 3 credits. TO

7100:247

Introduction to Oil Painting. 3 credits. Prerequisites, 131 and 144.

7100:254

Ceramics I. 3 credits. TO

7100:254

Introduction to Ceramics. 3 credits. Prerequisites, 121 or 222 or permission.

7100:266

Metalsmithing I. 3 credits. TO

7100:266

Introduction to Metalsmithing. 3 credits. Prerequisites, 121 or 131 or 144 or permission.

7100:275

Photography I. 3 credits. TO

7100:275

Introduction to Photography. 3 credits. Prerequisites, 131, and 144 or 284 or 2240:245 or permission.

7100:293

Weaving I. 3 credits. TO

7100:293

Introduction to Weaving. 3 credits. Prerequisites, 131 or 144.

[FA-81-12]

Change Pre-  
requisites 7100:222

Introduction to Sculpture. 3 credits. Prerequisites TO 121 or permission.

7100:231

Drawing II. 3 credits. Prerequisites TO 131.

7100:317

Printmaking II. 3 credits. Prerequisites TO 213 or 214 or 215 or 216 in the appropriate medium.

7100:322

Sculpture: Molding and Casting. 3 credits. Prerequisites TO 222 or permission.

7100:323

Sculpture: Fabrication. 3 credits. Prerequisites TO 222 or permission.

7100:331

Drawing III. 3 credits. Prerequisites TO 141, 231 and 233.



APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 3/5/81, continued  
CURRICULUM CHANGES, continued

COLLEGE OF FINE AND APPLIED ARTS, continued

Department of Art, continued

[FA-81-12]

Change Pre-requisites	7100:348	<u>Painting II.</u> 3 credits. Prerequisites <u>TO</u> 245, 246 or 247 in the appropriate medium.
	7100:354	<u>Ceramics II.</u> 3 credits. Prerequisites <u>TO</u> 254.
	7100:366	<u>Metalsmithing II.</u> 3 credits. Prerequisites <u>TO</u> 266.
	7100:375	<u>Photography II.</u> 3 credits. Prerequisites <u>TO</u> 275.
	7100:393	<u>Weaving II.</u> 3 credits. Prerequisites <u>TO</u> 293.
	7100:421	<u>Three Dimensional Design Applications.</u> 3 credits. Prerequisites <u>TO</u> Advanced standing in art or permission.
	7100:454	<u>Advanced Ceramics.</u> 3 credits. Prerequisites <u>TO</u> 354.

[FA-81-13]

Add The following courses as part of a Program for Non-Art Majors:

7100:120	<u>Fundamentals of Sculpture.</u> 3 credits. A study of sculpture through lecture and studio work in a variety of media. An exploration and enrichment opportunity for the non-art major. No credit toward major in art.
7100:130	<u>Fundamentals of Screen Printing.</u> 3 credits. A study of screen printing through lecture and studio experiences. An exploration and enrichment opportunity for the non-art major. No credit toward major in art.
7100:140	<u>Fundamentals of Acrylic Painting.</u> 3 credits. A study of the acrylic painting medium through lecture, demonstration and studio activity. An exploration and enrichment opportunity for the non-art major. No credit toward a major in art.
7100:150	<u>Fundamentals of Ceramics.</u> 3 credits. A study of ceramics through lecture and studio experiences. An exploration and enrichment opportunity for the non-art major. No credit toward major in art.
7100:160	<u>Fundamentals of Jewelry.</u> 3 credits. A study of jewelry making through lecture and studio for the non-art major. No credit toward major in art.
7100:170	<u>Fundamentals of Photography.</u> 3 credits. A study of photography through lecture, demonstration and studio work. An exploration and enrichment opportunity for the non-art major. No credit toward major in art.



APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 3/5/81, continued  
CURRICULUM CHANGES, continued

COLLEGE OF FINE AND APPLIED ARTS, continued

Department of Art, continued

[FA-81-13]

- |     |          |  |
|-----|----------|--|
| Add | 7100:180 | <u>Fundamentals of Graphic Design.</u> 3 credits. A study of graphic design through lecture and studio work in a variety of media. An exploration and enrichment opportunity for the non-art major. No credit toward a major in art.     |
|     | 7100:190 | <u>Fundamentals of Off-Loom Weaving.</u> 3 credits. A study of off-loom weaving through lecture and studio work in a variety of media. An exploration and enrichment opportunity for the non-art major. No credit toward a major in art. |

Department of Home Economics and Family Ecology

[FA-81-14]

- |     |          |   |
|-----|----------|---|
| Add | 7400:447 | <u>Critical Issues in Home Economics.</u> 1 credit. Prerequisites, 7400:147 and senior standing. Consideration of home economics as a profession and its impact on the quality of life of individuals, families and their environments. Analysis of challenges facing the profession and all home economists. |
|-----|----------|---|

Change Revision of Undergraduate Core in Home Economics and Family Ecology (14-16 credits)

New Core

- |          |  |
|----------|--|
| 7400:147 | <u>Home Economics Survey.</u> 1 credit.            |
| 7400:447 | <u>Critical Issues in Home Economics.</u> 1 credit |

One course to be chosen from each of the following divisions:

Clothing, Textiles and Interiors

- |          |   |
|----------|---|
| 7400:121 | <u>Textiles.</u> 3 credits.               |
| 7400:159 | <u>Housing.</u> 3 credits.                |
| 7400:419 | <u>Clothing Communication.</u> 3 credits. |

Family and Child

- |          |   |
|----------|---|
| 7400:201 | <u>Relational Patterns in Marriage and Family.</u> 3 credits. |
| 7400:265 | <u>Child Development.</u> 3 credits.                          |

Foods and Nutrition

- |          |  |
|----------|--|
| 7400:133 | <u>Nutrition Fundamentals.</u> 3 credits.    |
| 7400:141 | <u>Food for the Family.</u> 3 credits.       |
| 7400:245 | <u>Basic Nutrition and Foods.</u> 5 credits. |

Management

- |          |   |
|----------|---|
| 7400:362 | <u>Home Management Theory.</u> 3 credits. |
|----------|---|

[FA-81-17]

- |     |   |  |
|-----|---|--|
| Add | <u>A Certificate Program in Interior Design, an interdisciplinary approach between the Department of Art and the Department of Home Economics and Family Ecology.</u> |  |
|-----|---|--|

- |     |          |  |
|-----|----------|--|
| Add | 7100:244 | <u>Color Concepts.</u> 3 credits. Prerequisites, 7100:121 or 7100:144 or 7100:286 or 2240:124. Lecture and studio experience giving information concerning perception of color, additive color phenomena of light, subtractive color phenomena of pigments and dyes, color notation systems, and psychological effects of color. |
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APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 3/5/81, continued  
CURRICULUM CHANGES, continued

COLLEGE OF FINE AND APPLIED ARTS, continued

Department of Home Economics and Family Ecology, continued

[FA-81-17]

Add	7100:282	<u>Architectural Presentations.</u> 3 credits. Prerequisites, 7100:131 and 7100:144 or 7100:286 or 2240:124. Study and studio practice in architectural design and presentation methods, both residential and commercial and the development of graphic presentations of interior and exterior concepts. Emphasis on professional presentations, renderings of interiors, methods of illustrative and photographic presentations.
	7400:333	<u>Interior Design I.</u> 3 credits. Prerequisite, 7100:282. An in-depth study of the interior design profession and its complexities, with emphasis on developing skills necessary to function effectively as a residential designer.
	7400:334	<u>Interior Design II.</u> 3 credits. Prerequisite, 7400:333. This course is designed to be a continuation of <u>Interior Design I</u> with an emphasis on both residential interior design and commercial interior design, and the development of the basic skills necessary to function effectively as an interior designer.
	7400:335	<u>Fundamentals of Buying Home Furnishings.</u> 3 credits. Prerequisite, 7400:333. An in-depth study of the business aspects of interior design including business procedures, manufacturing of home furnishings, and principles and psychology of marketing home furnishings.

Requirements for Certificate in Interior Design (21 credits)

7100:121	<u>Three-Dimensional Design.</u> 3 credits.
7100:244	<u>Color Concepts.</u> 3 credits.
7100:282	<u>Architectural Presentations.</u> 3 credits.
7400:331	<u>Applied Home Furnishings.</u> 3 credits.
7400:333	<u>Interior Design I.</u> 3 credits.
7400:334	<u>Interior Design II.</u> 3 credits.
7400:335	<u>Fundamentals of Buying Home Furnishings.</u> 3 credits.

[FA-81-16]

Add	7400:403/503	<u>Advanced Food Preparation.</u> 3 credits. Prerequisite, 7400:245 or 7400:141 or permission of instructor. Study of advanced techniques of food preparation. Introduction to and interpretation of classic and foreign cuisines. Emphasis on individualized experience, skill development and evaluation of procedures and results.
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Department of Music

[FA-81-4]

Add	7500:698	<u>Graduate Recital.</u> 2 credits. Prerequisite, permission of graduate advisor. Recital prepared and presented as a requirement for any appropriate degree option. If Recital Document is to be written in conjunction with the recital, add 7500:699 for the additional credit.
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APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 3/5/81, continued  
CURRICULUM CHANGES, continued

COLLEGE OF FINE AND APPLIED ARTS, continued

Department of Music, continued

[FA-81-4]

Change	7500:699	<u>Master's Thesis/Recital. 2 credits. TO</u>
	7500:699	<u>Thesis Research/Recital Document. 4-6 credits. Prerequisite,</u> permission of graduate advisor. Research related to the completion of the Master's Thesis or Recital Document written in conjunction with the Graduate Recital, depending on the student's degree option.

[FA-81-18]

Change	7500:371	<u>Analytical Techniques I. 2 credits. TO</u>
	7500:371	<u>Analytical Techniques. 2 credits.</u>
	7500:372	<u>Analytical Techniques II. 2 credits. TO</u>
	7500:372	<u>Techniques for the Analysis of 20th Century Music. 2 credits.</u> Prerequisite, 252. Techniques for the analysis of musical scores from the 20th century. Required of theory-composition majors.

[FA-81-19]

Add	7500:353	<u>Electronic Music. 3 credits. Prerequisite, 252. A course in the</u> theory of electronically-generated sound and the practice of electronic music composition. Emphasis is on developing a practical under- standing of the components of the voltage-controlled studio.
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[FA-81-20]

Add	7500:491	<u>Special Topics in Music. 2 credits. (May be repeated for a total of</u> 4 credits.) Group project related to a specific phase of music. Ex- perimental course topics designed and implemented according to student interest. For elective credit only.
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Department of Speech Pathology and Audiology

[FA-81-3]

Drop	7700:653	<u>Advanced Clinical Practicum: Aphasia. 1 credit.</u>
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Add	7700:655	<u>Advanced Clinical Practicum: Articulation. 1 credit. (May be</u> repeated for a maximum of 2 credits.) Prerequisites, 7700:321 and permission of the Director of the Speech and Hearing Center. Super- vised clinical practicum in articulation. Emphasis on therapy pro- cedures, diagnostic techniques and preparation of reports.
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	7700:656	<u>Advanced Clinical Practicum: Language. 1 credit. (May be re-</u> peated for a maximum of 3 credits.) Prerequisites, 7700:330 and permission of the Director of the Speech and Hearing Center. Super- vised clinical practicum in language. Emphasis on therapy proce- dures, diagnostic techniques, and preparation of reports.
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	7700:657	<u>Advanced Clinical Practicum: Rehabilitative Audiology. 1 credit.</u> (May be repeated for a maximum of 6 credits.) Prerequisites, 7700:240 and permission of the Director of the Speech and Hearing Center. Supervised clinical practicum in hearing rehabilitation. Emphasis on therapy procedures, diagnostic techniques, and prep- aration of reports.
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APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 3/5/81, continued  
CURRICULUM CHANGES, continued

COLLEGE OF FINE AND APPLIED ARTS, continued

Department of Speech Pathology and Audiology, continued

[FA-81-3 and 22]

Change Title, 7700:451	<u>Clinical Practicum: Hearing Diagnostics. 1 credit. TO</u>
Prerequisites 7700:451	<u>Clinical Practicum: Diagnostic Audiology. 1 credit. (May be repeated for a maximum of 2 credits.) Prerequisites, 7700:250, 340.</u>
7700:654	<u>Advanced Clinical Practicum: Audiology. 1 credit. TO</u>
7700:654	<u>Advanced Clinical Practicum: Diagnostic Audiology. 1 credit. (May be repeated for a maximum of 6 credits.)</u>
Change Credits 7700:650	<u>Advanced Clinical Practicum: Differential Diagnosis. 1 credit. (May be repeated for a maximum of 2 credits.)</u>
Change Credits, 7700:350	<u>Clinical Practicum: Articulation. 1 credit. (May be repeated for a maximum of 2 credits.) Prerequisites, 7700:250, 321.</u>
Prerequisites	
7700:351	<u>Clinical Practicum: Language. 1 credit. (May be repeated for a maximum of 2 credits.) Prerequisites, 7700:250, 330.</u>
7700:352	<u>Clinical Practicum: Aural Rehabilitation. 1 credit. (May be repeated for a maximum of 2 credits.) Prerequisites, 7700:240, 250.</u>

Change The undergraduate degree requirements to be changed by adding the following limitation:

No more than four credits of in-house clinical practicum (one credit each of 7700:350, 351, 352 and 451) may be applied toward completion of baccalaureate requirements, although the student may wish or be required to repeat one or more of these practicums. Students must be signed up for at least one credit of clinical practicum coursework during any academic period in which they are involved in in-house practicum.

The master's degree requirements to be changed to:

All students must take four credits of 7700:695, one credit of 7700:650, and an additional two credits from among the following: 7700:655, 656, 657, 654, 651 or 652.

Add the following under coursework limitations:

Only seven credits of clinical practicum credit (four credits of externship plus three credits of in-house clinical practicum) may be applied toward completion of degree requirements, although the student may wish, or be required, to repeat one or more of these practicums. Students must be signed up for at least one credit of clinical practicum coursework during any academic period in which they are involved in in-house practicum.

[FA-81-23]

Change	7700:625	<u>Communicative Disorders in Children. 2 credits. TO</u>
	7700:625	<u>Language Development: Normal and Disordered. 3 credits. Survey of research in normal and disordered development of language skills.</u>



APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 3/5/81, continued  
CURRICULUM CHANGES, continued

COLLEGE OF FINE AND APPLIED ARTS, continued

Department of Speech Pathology and Audiology, continued

[FA-81-23]

Change	7700:630	<u>Seminar in Language Processing: Development and Pathology.</u> 3 credits.
	<u>TO</u> 7700:630	<u>Language Skills in Children: Assessment and Intervention.</u> 3 credits.

Prerequisite, 7700:625 or permission of instructor. Theoretical and applied study of child language assessment and intervention strategies.

[FA-81-24]

Add	7700:649	<u>Electronystagmography.</u> 2 credits. Prerequisite, permission of instructor. Study of the anatomy and physiology of the vestibular system; nystagmus; electronystagmographic (ENG) recording procedures; ENG protocols; and interpretation of ENG results.
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[FA-81-25]

Add	7700:619	<u>Communication Disorders: Adult Dysarthria and Apraxia.</u> 2 credits. Development, symptoms, diagnosis and treatment of adult dysarthria and apraxia.
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[FA-81-26]

Add	7700:496	<u>Senior Honors Project: Speech Pathology and Audiology.</u> 1-3 credits. (May be repeated for a total of 6 credits.) Prerequisites, enrollment in the Honors Program, senior standing and major in Speech Pathology and Audiology.
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[FA-81-27]

Change	7700:699	<u>Research and Thesis.</u> From 2 credits (repeatable to 6 credits), <u>TO</u> 4-6 credits.
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Department of Theatre Arts and Dance

[FA-81-31]

Change	7800:690	<u>Graduate Research and Readings.</u> From 1-3 credits (repeatable to 6 credits) <u>TO</u> 1-3 credits (repeatable to 9 credits).
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COLLEGE OF NURSING

[NU-81-7]

Change Title	8200:699	<u>Thesis</u> <u>TO</u> <u>Thesis Research.</u> 1-4 credits.
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Add	8200:618	<u>Family Health Appraisal.</u> 6 credits. Prerequisite, formal admission into M. S. in Nursing program. Combination of seminar and clinical practicum used to study health appraisal. Focus on holistic aspects of health appraisal through life span.
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Change	8200:683	<u>Functional Area of Nursing—Practice Seminar.</u> 3 credits. <u>TO</u>
	8200:680	<u>Functional Area of Nursing—Direct Care of Families Seminar.</u> 3 credits.

	8200:684	<u>Functional Area of Nursing—Practice Practicum.</u> 3 credits. <u>TO</u>
	8200:681	<u>Functional Area of Nursing—Direct Care of Families Practicum.</u> 3 credits.



APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 3/5/81, continued  
CURRICULUM CHANGES, continued

COLLEGE OF NURSING, continued

[NU-81-6] Effective Summer Session I, 1981.

Add Undergraduate Program for RNs (131 credits)

Add	8200:305	<u>Nursing Theories, Concepts and Research.</u> 6 credits. Prerequisites, 8200:101 and admission to the College of Nursing. The specific focus is to relate concepts, theories and investigative projects to the practice of nursing in a health care system using the nursing process.
	8200:405	<u>Health Maintenance Nursing.</u> 6 credits. Prerequisites, 8200:101 and 305. This course is designed to focus on healthy man throughout the life cycle. Theory and practice focus on healthy man's reciprocal interaction with ecological variables.
	8200:415	<u>Diminished Health Nursing.</u> 5 credits. Prerequisites, 8200:101 and 305. Theoretical and clinical components emphasize alternative behaviors for the client and the nurse, within the framework of the nursing process, to assist individuals and families experiencing diminished health to attain, maintain, and/or regain optimal levels of health.

Program

Freshman Year - Semester I

1100:111	<u>English Composition.</u> 4 credits.
1100:115	<u>Institutions.</u> 3 credits.
3150:129	<u>General Chemistry I.</u> 4 credits.
3450:111, 112	<u>Mathematics Modules.</u> 2 credits.
3470:251-252	<u>Descriptive Statistics-Distribution.</u> 2 credits.
8200:101	<u>Introduction to Nursing for RN, I.</u> 1 credit.

Total 16 credits

Freshman Year - Semester II

1100:112	<u>English Composition.</u> 4 credits.
1100:115	<u>Institutions.</u> 3 credits.
1100:120-188	<u>Physical Education</u> (or for students over the age of 21, any other General Studies course equalling one credit hour). 1 credit.
3150:130	<u>General Chemistry II.</u> 4 credits.
3850:100	<u>Introduction to Sociology.</u> 4 credits.

Total 16 credits

Sophomore Year - Semester I

1100:106	<u>Effective Oral Communication.</u> 3 credits.
3100:130	<u>Principles of Microbiology.</u> 3 credits.
3100:206	<u>Human Anatomy and Physiology.</u> 3 credits.
3600:101	<u>Introduction to Philosophy</u> OR
3600:120	<u>Introduction to Ethics</u> OR
3600:170	<u>Introduction to Logic.</u> 3 credits.
3750:100	<u>Introduction to Psychology.</u> 3 credits.

Total 15 credits



APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 3/5/81, continued  
CURRICULUM CHANGES, continued

COLLEGE OF NURSING, continued  
[NU-81-6]

Sophomore Year - Semester II

3100:105	<u>Ecology and Biological Resources.</u>	2 credits.
3100:207	<u>Human Anatomy and Physiology.</u>	3 credits.
3100:381	<u>Human Genetics.</u>	2 credits.
3750:130	<u>Developmental Psychology.</u>	4 credits.
3850:340	<u>The Family</u>	<u>OR</u>
7400:201	<u>Relational Patterns in Marriage and Family.</u>	3 credits.
Total 14 credits		

Sophomore Year - Summer Session

8200:305	<u>Nursing Theories, Concepts and Research.</u>	6 credits.
1100:330	<u>Eastern Civilization.</u>	2 credits
Total 8 credits		

Junior Year - Semester I

(Transfer in or take)		
Elective		
Total 5 credits		

Junior Year - Semester II

See footnote\*

Senior Year - Semester I

1100:320	<u>Western Cultural Traditions.</u>	4 credits.
8200:405	<u>Health Maintenance Nursing.</u>	6 credits.
8200:415	<u>Diminished Health Nursing.</u>	5 credits.
1100:330	<u>Eastern Civilization.</u>	2 credits.
Total 17 credits		

Senior Year - Semester II

1100:321	<u>Western Cultural Traditions.</u>	4 credits.
8200:420	<u>Nursing: Synthesis.</u>	10 credits.
	<u>Elective.</u>	4 credits.
Total 18 credits		

\*By-Pass credit will be granted for the following courses upon successful completion of 8200:420:

8200:320	<u>Nursing: Diminished Health I.</u>	12 credits.
8200:400	<u>Nursing: Diminished Health II.</u>	10 credits.
Total 22 credits		



APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 3/5/81, continued  
CURRICULUM CHANGES, continued

COMMUNITY AND TECHNICAL COLLEGE

Division of Allied Health Technology

[CT-81-10]

Add Change in Surgical Assisting Technology Program to provide two options—Surgical Technologist Option and Surgeon's Assistant Option

Change Credits 2770:121 Surgical Assisting Procedures I. From 4 TO 2 credits.

2770:131 Clinical Application I. From 3 TO 1 credit.

Add Existing courses to be added to Surgical Technologist Program

2740:230 Pharmacology in Medical Assisting. 3 credits.

2770:241 Surgical Anatomy. 3 credits.

Change Surgical Technologist Program (64 credits)

Freshman Year - Fall Semester

2770:100 Introduction to Surgical Assisting Technology

2770:121 Surgical Assisting Procedures I.

2770:131 Clinical Application I.

2740:120 Medical Terminology.

3100:206 Anatomy and Physiology.

3100:103 Introduction to Microbiology.

Freshman Year - Spring Semester

2020:130 Mathematics for Health Technology

2020:240 Human Relations

2770:222 Surgical Assisting Procedures II

2770:232 Clinical Application II

3100:207 Anatomy and Physiology

Sophomore Year - Fall Semester

2020:121 English

2740:230 Pharmacology in Medical Assisting

2770:233 Clinical Application III

2840:100 Basic Chemistry

General Elective

Sophomore Year - Spring Semester

1100: Physical Education

1100:106 Effective Oral Communication

2020:242 American Urban Society

2770:241 Surgical Anatomy

Technical Electives



APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 3/5/81, continued  
CURRICULUM CHANGES, continued

COMMUNITY AND TECHNICAL COLLEGE, continued

Division of Allied Health Technology, continued

[CT-81-10] Surgical Assisting Technology Program Options, continued

Surgeon's Assistant Program (72 credits)

Freshman Year - Fall Semester

2770:100	<u>Introduction to Surgical Assisting Technology</u>
2770:121	<u>Surgical Assisting Procedures I</u>
2770:131	<u>Clinical Application I</u>
2740:120	<u>Medical Terminology</u>
3100:206	<u>Anatomy and Physiology</u>
3100:103	<u>Introduction to Microbiology</u>

Freshman Year - Spring Semester

2770:241	<u>Surgical Anatomy</u>
2770:222	<u>Surgical Assisting Procedures II</u>
2770:232	<u>Clinical Application II</u>
2770:242	<u>Surgical Lab Procedures</u>
3100:207	<u>Anatomy and Physiology</u>

Summer

2770:234	<u>Clinical Application IV</u>
2770:243	<u>Introduction to Medicine</u>
2020:130	<u>Mathematics for Health Technology</u>

Sophomore Year - Fall Semester

2020:121	<u>English</u>
2740:230	<u>Pharmacology in Medical Assisting</u>
2770:244	<u>Medical History and Physical Evaluation</u>
2840:100	<u>Basic Chemistry</u>
2770:245	<u>Roentgenogram Assessment</u>
2770:246	<u>Medical Lab Procedures</u>
2770:235	<u>Clinical Application V</u>

Sophomore Year - Spring Semester

1100:	<u>Physical Education</u>
1100:106	<u>Effective Oral Communication</u>
2020:240	<u>Human Relations</u>
2020:242	<u>American Urban Society</u>
2770:236	<u>Clinical Application VI</u>
2770:247	<u>Pulmonary Assessment and Electrocardiography</u>
	<u>General Elective</u>



APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 3/5/81, continued  
CURRICULUM CHANGES, continued

COMMUNITY AND TECHNICAL COLLEGE, continued  
Division of Allied Health Technology, continued  
[CT-81-10]

Add	2770:242	<u>Surgical Lab Procedures.</u> 2 credits. Prerequisites, 121 and admission to program option; corequisite, 241. Classroom and laboratory instruction in surgical techniques and procedures.
	2770:243	<u>Introduction to Medicine.</u> 2 credits. Prerequisites, 241, 242. Study of pathophysiology, clinical manifestations, and therapeutic management of surgically related disorders of the body systems.
	2770:244	<u>Medical History and Physical Evaluation.</u> 2 credits. Prerequisites, 241, 242. Introduction to techniques of obtaining medical histories and physical evaluations. Techniques of interviewing and physical diagnosis.
	2770:245	<u>Roentgenogram Assessment.</u> 1 credit. Prerequisite, 242. Roentgenogram assessment and its use as a diagnostic tool. Recognition of gross abnormalities in roentgenograms of the head, neck, chest, abdomen, pelvis, and extremities.
	2770:246	<u>Medical Laboratory Procedures.</u> 1 credit. Prerequisite, 242. Introduction of collection, preparation, and analysis of biological fluids and other substances through standard procedures utilized in medical laboratories to aid the physician in diagnosis, treatment, and prevention of disease.
	2770:247	<u>Pulmonary Assessment and Electrocardiography.</u> 2 credits. Prerequisite, 242. Oxygen administration, humidity control, breathing exercises, postural drainage, percussion techniques, intermittent positive pressure breathing, management of ventilators and bedside ventilation measurements. Electrocardiogram recording techniques and interpretation of electrocardiographic abnormalities including arrhythmias.
	2700:234	<u>Clinical Application IV.</u> 2 credits. Prerequisites, 232, 242. Students assigned to surgical services of affiliated hospitals. Assist in surgery and carry out pre-operative and post-operative care procedures as assigned by, and under the supervision of, the surgeon or the resident surgical staff.
	2770:235	<u>Clinical Application V.</u> 3 credits. Prerequisite, 234. Students assigned to surgical services of affiliated hospitals. Assist in surgery and carry out pre-operative and post-operative care procedures as assigned by, and under the supervision of, the surgeon or the resident surgical staff.
	2770:236	<u>Clinical Application VI.</u> 3 credits. Prerequisite, 235. Students assigned to surgical services of affiliated hospitals. Assist in surgery and carry out pre-operative and post-operative care procedures as assigned by, and under the supervision of, the surgeon or the resident surgical staff.



APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 3/5/81, continued  
CURRICULUM CHANGES, continued

COMMUNITY AND TECHNICAL COLLEGE, continued

Division of Engineering and Science Technology

[CT-81-12]

Change	2920:247	<u>Shop Methods and Practices.</u>	3 credits.	<u>TO</u>
	2920:247	<u>Technology of Machine Tools.</u>	3 credits.	

[CT-81-15]

Change The title of the degree awarded for the baccalaureate program in Mechanical Technology from Bachelor of Technology to Bachelor of Mechanical Technology.

[CT-81-11]

Change Change in requirements prior to enrolling in the Bachelor of Science in Electronic Technology, and prior to taking 2860:35. A student must have:

1. Completed at least 45 credits of a two-year Electronic Technology Associate degree program.
2. Maintained a grade point ratio of 2.0 or higher overall.
3. Maintained a grade point ratio of 2.0 or higher in major courses. Major courses are defined as the following:

Mathematical Analysis (or equivalent)

2020:131	<u>Mathematical Analysis I.</u>
2020:132	<u>Mathematical Analysis II.</u>
2020:233	<u>Mathematical Analysis III.</u>

Basic Physics (or equivalent)

2840:151	<u>Basic Physics: Mechanics.</u>
2840:153	<u>Basic Physics: Heat, Light and Sound.</u>

Technical Electives (2860 or 2900 series) or equivalent

2860:120	<u>DC Circuits.</u>
2860:122	<u>AC Circuits.</u>
2860:123	<u>Electronics I.</u>
2860:225	<u>Electronics II.</u>
2860:237	<u>Digital Circuits I.</u>
2860:242	<u>Machinery and Controls.</u>
2860:255	<u>Electronic Design and Construction.</u>
2860:238	<u>Digital Circuits II.</u>
2860:251	<u>Communications Circuits.</u>
2860:260	<u>Electronic Projects</u>
2900:231	<u>Control Principles.</u>



APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 3/5/81, continued  
CURRICULUM CHANGES, continued

COMMUNITY AND TECHNICAL COLLEGE, continued

Division of Engineering and Science Technology, continued

[CT-81-14]

Change	2860:123	<u>Electronics I.</u> From 4 (3-1) credits <u>TO</u> 3 (2.5-.5) credits.
	2860:225	<u>Electronics II.</u> From 4 (3-1) credits <u>TO</u> 3 (2.5-.5) credits. Prerequisite, 2860:123. Linear devices and/or pertinent applications widely used in electronics. Topics include amplifier fundamentals, frequency response, operational amplifiers, special linear integrated circuits and power amplifiers.
	2860:237	<u>Digital Circuits I.</u> From 3 (2-1) credits <u>TO</u> 4 (3-1) credits. Prerequisite, 2860:123. Introduction to devices and techniques used in design of combinational logic circuits. Topics include number systems, binary arithmetic, codes, Boolean algebra, Karnaugh Mapping, and integrated circuit and its application in combinational solutions such as data selection, bridging, symmetrical functions, and ROM synthesis.
	2860:238	<u>Digital Circuits II.</u> From 3 (2-1) credits <u>TO</u> 4 (3-1) credits. Prerequisite, 2860:237. Continuation of combinational logic design plus introduction to sequential logic design and microcomputer. Integrated circuit information extended into MOS and CMOS devices. Microprocessor application.
	2860:255	<u>Electronic Design and Construction.</u> From 2 (1-1) credits <u>TO</u> 2 (0-2) credits. Prerequisite, 2860:123. General and electronic drafting fundamentals and techniques with emphasis on printed circuit boards. General shop safety practices. Care and use of hand tools and power tools. Chassis and sheet metal layout and fabrication; printed circuit board fabrication; metal finishing and packaging techniques. Performance testing and troubleshooting.
	2860:251	<u>Communications Circuits.</u> From 3 (2-1) credits <u>TO</u> 3 (2.5-.5) credits.

Division of Public Service Technology

[CT-81-5]

Add	2210:104	<u>Sign Language, Gesture and Mime.</u> 3 credits. Non-language aspects of communication which form integral base for communication in American Sign Language and international sign language. Emphasis on eye training and use of gestures, pantomime and body language.
	2210:290	<u>Special Topics in Handicapped Services.</u> 1-3 credits. Selected topics or subject areas of interest in handicapped services.
Drop	2210:243	<u>Practicum IV.</u> 2 credits.



APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 3/5/81, continued  
CURRICULUM CHANGES, continued

COMMUNITY AND TECHNICAL COLLEGE, continued

Division of Public Service Technology, continued

[CT-81-5]

Change Credits,	2210:141	<u>Practicum II.</u>	4 credits.	<u>TO</u>
Course Number	2210:241	<u>Practicum II.</u>	2 credits.	
Change Credits	2210:140	<u>Practicum I.</u>	From 1 credit	<u>TO</u> 4 credits.
Change Pre-requisites	2210:100	<u>Introduction to Interpreting for the Deaf.</u>	4 credits.	Prerequisites, 2210:104 and 7700:271.
	2210:110	<u>Specialized Interpreting I.</u>	3 credits.	Prerequisites, 7700:110 and 2210:104.
	2210:200	<u>Reverse Interpreting.</u>	3 credits.	Prerequisites, 2210:104 and 7700:100.
	2210:230	<u>Specialized Interpreting II.</u>	3 credits.	Prerequisite, 7700:150.

Change      Change in Degree Requirements:

Delete from Requirements only

2260:278	<u>Techniques of Community Work.</u>	4 credits.
2210:243	<u>Practicum IV.</u>	2 credits.
7700:260	<u>Manual Communication IV.</u>	3 credits.

Add to Requirements only

2210:104	<u>Sign Language, Gesture and Mime.</u>	3 credits.
7710:271	<u>Language of Signs I.</u>	3 credits.

Change      Revised Program in Handicapped Services (Interpreting for the Deaf) (65 credits)

Freshman Year - Fall Semester

2020:121	<u>English.</u>	4 credits.
2420:170	<u>Business Mathematics.</u>	3 credits.
7700:271	<u>Language of Signs I.</u>	3 credits.
1100:	<u>Physical Education.</u>	1 credit.
1100:106	<u>Effective Oral Communication.</u>	3 credits.
2210:104	<u>Sign Language, Gesture and Mime.</u>	3 credits.

Freshman Year - Spring Semester

2020:240	<u>Human Relations.</u>	3 credits.	<u>OR</u>
3750:100	<u>Introduction to Psychology.</u>	3 credits.	
2210:100	<u>Introduction to Interpreting for the Deaf.</u>	3 credits.	
7700:100	<u>Manual Communication I.</u>	4 credits.	
7700:222	<u>Introduction to Deaf Culture.</u>	2 credits.	
7700:120	<u>Introduction to Audiology and Aural Rehabilitation.</u>	3 credits.	

Summer Term (10 weeks)

2210:140	<u>Practicum I.</u>	1 credit.
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APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 3/5/81, continued  
CURRICULUM CHANGES, continued

COMMUNITY AND TECHNICAL COLLEGE, continued  
Division of Public Service Technology, continued  
[CT-81-5]

Revised Program in Handicapped Services (Interpreting for the Deaf), continued

Sophomore Year - Fall Semester

2020:242	<u>American Urban Society.</u> 3 credits.
7700:150	<u>Manual Communication II.</u> 4 credits.
2210:110	<u>Specialized Interpreting.</u> 3 credits.
2210:200	<u>Reverse Interpreting.</u> 3 credits.
2210:241	<u>Practicum II.</u> 1 credit.
7700:121	<u>Psycho-Social Aspects of Deafness.</u> 3 credits.

Sophomore Year - Spring Semester

7700:223	<u>Speech and Language of Deaf Child and Adult.</u> 4 credits.
7700:200	<u>Manual Communication III.</u> 3 credits.
2210:230	<u>Specialized Interpreting II.</u> 3 credits.
2210:242	<u>Practicum III.</u> 1 credit.
	General Elective. 2 credits.
	Technical Elective. 2 credits.

INTERDISCIPLINARY PROGRAMS

Life-Span Development

[CIP-81-2]

Add	1850:300	<u>Perspectives on Gender Identity and Roles.</u> 3 credits. An examination of the biological, historical, political, legal, economic, educational, intellectual and social influences which have shaped gender identity and roles in society.
	1850:493	<u>Independent Study in Gender Identity and Roles.</u> 3 credits. Prerequisites, enrollment in the Certificate Program in Life-Span Development: Gender Identity and Roles, plus the completion of three certificate courses in addition to 1850:300 and permission. Supervised participation in research and/or community-agency work.

Add Certificate Program in Life-Span Development: Gender Identity Roles

Requirements

1. Minimum credits: 18 credits.
2. Required courses: 6 credits:
 

1850:300	<u>Perspectives on Gender Identity and Roles.</u> 3 credits.
1850:493	<u>Independent Study in Gender Identity and Roles.</u> 3 credits.
3. Electives: 12 credits.  
No more than one course can come from courses offered by a single department including the student's major department. Only one course of 200-level work will be permitted for elective credit toward the certificate. A course not included in the suggested list may be used for elective credit if the course is appropriate and if the student obtains prior approval from the faculty adviser and the Curriculum Committee of the Institute for Life-Span Development and Gerontology.



APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 3/5/81, continued  
CURRICULUM CHANGES, continued

INTERDISCIPLINARY PROGRAMS, continued

Life-Span Development, continued

[CIP-81-2] Certificate Program in Life-Span Development: Gender Identity Roles, continued

200-Level Electives

- 3300:275      Specialized Writing: Essential Self. 3 credits.
- 7400:201      Relational Patterns in Marriage and Family. 3 credits.
- 7400:255      Fatherhood: The Parent Role. 2 credits.

300-400-Level Electives

- 1860:378      Introduction to Human Rights Concepts. 3 credits.
- 3100:428      Biology of Behavior. 2 credits
- 3100:495      Special Topics in Biology: Hormones and Behavior. 3 credits.
- 3250:440      Women in Labor Force. 3 credits.
- 3250:431      Labor and the Government. 3 credits.
- 3300:389      Special Topics in Literature and Languages: Women  
                    in Modern Novels. 3 credits.
- 3300:389      Special Topics in Literature and Languages: Women Writers.  
                    3 credits.
- 3400:338      Women in the United States. 3 credits.
- 3400:350      Selected Topics in History: Women in Modern Europe. 3 credits.
- 3400:350      Selected Topics in History: Soviet and U.S. Women in the  
                    20th Century. 3 credits.
- 3400:437      American Family History. 3 credits.
- 3750:480      Special Topics: Psychology of Sex Differences and Similarities.  
                    4 credits.
- 3850:340      The Family. 3 credits.
- 3850:344      Sociology of Sex Roles. 3 credits.
- 3850:412      A Socialization: Child to Adult. 3 credits.
- 3870:455      Culture and Personality. 3 credits.
- 3870:463      Types of Kinship and Social Organization. 3 credits.
- 5100:490      Workshop: Men and Women, Equality of Educational Opportunities.  
                    3 credits.
- 5400:405      Vocational Education for Youth and Adults. 2 credits.
- 5400:440      Life-Span and Community Education. 2 credits.
- 5600:490      Workshop: Sex Role Stereotyping and Its Relation to Career Choice.  
                    3 credits.
- 7400:485      Seminar: Human Sexuality. 3 credits.
- 7600:310      Intercultural Communication. 2 credits.
- 7750:480      Special Topics: Women's Issues in Social Work. 3 credits.



APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, March 5, 1981

REPORT OF THE UNIVERSITY OF AKRON REPRESENTATIVE TO THE FACULTY ADVISORY COMMITTEE TO THE CHANCELLOR OF THE OHIO BOARD OF REGENTS—Dr. Sherman Vander Ark

Meeting of February 25, 1981

Chancellor Moulton responded to the following topics:

Budget. Chancellor Moulton is seeking to establish several priorities during this time of budget tightening. Included in these are: programs of excellence, library coordination money, and supplemental funding for urban grant programs. He believes it is very important for the state institutions to figure out how to live with the money they receive.

In order to do this, Chancellor Moulton is asking all state institutions to discuss selective admissions and access and to do a very good job of establishing excellence. Programs which are weak and replicated in excess will be cut.

At present, he is interested in examining branch campuses' master's degree programs.

Projected Enrollments. Concern was expressed by FAC over the subsidy eligible FTE estimates for 1981-83. The enrollment estimates were seen as being anomalous in terms of previous growth patterns. For example, Universities of Toledo and Akron have shown some of the largest growths and yet received the greatest loss of students "on paper" for 1982-83. Chancellor Moulton replied that these figures were "assigned numbers" and could be subject to change. He again reinforced the notion that universities need to have money on the "basis of the job we have to do" and it is not necessarily an advantage to have an increase in total enrollments.

New Programs. Chancellor Moulton again stressed that quality, "present programs" need to be sustained before the development of new programs. Furthermore, universities should cut back on the "old" in order to create an opportunity for growth in new areas. However, there is no moratorium on new programs.

College Preparatory Program. Chancellor Moulton is creating a dialogue between colleges and high schools in an effort to solve the problem of duplication of efforts in the area of remediation at the college/university level. It was a pleasure to see Dr. William H. Beyer, from The University of Akron, as our representative.

STRS HB-629. FAC respectfully requested that Chancellor Moulton pursue the re-examination of this bill as it is believed to be a financial benefit to both state and faculty.

Next Meetings. No meeting is scheduled for March. The next two meetings are scheduled for Thursday, April 2, and Wednesday, May 6, 1981.

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APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, March 5, 1981

PROJECTS APPROVED BY THE FACULTY RESEARCH COMMITTEE 1980-81  
(second and final awards, spring semester 1981)

Dr. M. Kay Alderman, Assistant Professor of Education "Mapping a Future Orientation and Career Striving Schema for Females"	\$ 900.00
Dr. June K. Burton, Associate Professor of History "René Cassin and Human Rights"	1,370.00
Dr. C. F. Chen, Professor of Electrical Engineering "Real Time Near-field Measurement of Acoustical Intensity in Semi-Reverberant Environments"	1,500.00
Dr. Lindgren Lin Chyi, Assistant Professor of Geology "The Mineral Matter of Coal during Combustion"	994.00
Dr. Daniel Ely, Assistant Professor of Biology "Age-Related Changes in Brain Neurotransmitters Controlling Aggression"	2,650.00
Mr. John Finan, Professor of Law "Logic, the Computer, and Legal Reasoning"	600.00
Dr. Paul C. Franks, Professor of Geology "Reservoir Petrology, 'Clinton' Sandstone"	1,500.00
Mrs. P. Godfrey, Associate Professor of Nursing Mrs. E. Kick, Assistant Professor of Nursing Miss J. Marchione, Associate Professor of Nursing Miss S. Stearns, Associate Professor of Nursing, and Dr. D. VanDervort, Assistant Professor of Nursing "Description and Rationale for Needs Assessment Survey to Explore Family Health Care Needs"	218.00
Dr. Azmi Kaya, Associate Professor of Mechanical Engineering, and Dr. Celal Batur, Visiting Associate Professor of Mechanical Engineering "Advanced Control of Heat Exchanger by Microprocessors and Simple Algorithms"	2,500.00
Mrs. Margery B. Koosed, Assistant Professor of Law Mr. Richard L. Aynes, Assistant Professor of Law "Anticipating Re-enactment of Death Penalty in Ohio and Research Thereon"	1,000.00
Dr. A. W. Gerhard Kunze, Associate Professor of Geology "Theoretical Study of Lithospheric Stress and Investigation of Crustal Structure near New Baltimore, Ohio"	183.00
Dr. David E. Kyvig, Associate Professor of History "Constitutional Amending in Twentieth-Century America"	853.00
Subtotal	<u>\$14,268.00</u>



APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 3/5/81, continued

PROJECTS APPROVED BY THE FACULTY RESEARCH COMMITTEE 1980-81 (second and final awards, spring semester 1981), continued

	Balance forward	\$14,268.00
Dr. R. Paul Merrix, Associate Professor of English		
"An Annotated Bibliography of Shakespeare's Sonnets and Poems: 1938-1981"		750.00
Dr. Daniel Nelson, Professor of History		
"Labor Revolution: The Emergence of the United Rubber Workers, 1933-42"		630.00
Dr. David H. O'Keeffe, Assistant Professor of Chemistry		
"Structure-Property Relationships of Rhizobium Cytochrome P-450"		1,800.00
Dr. F. Scott Orcutt, Associate Professor of Biology		
"Vocalizations and Hybridization in Black-capped and Carolina Chickadees"		1,200.00
Dr. Robert F. Savinell, Assistant Professor of Chemical Engineering		
"Electrosorptive Separation of Ethanol-Water Mixtures"		2,200.00
Dr. Ernst D. vonMeerwall, Professor of Physics		
"NMR Study of Diffusion in Anisotropic and Inhomogeneous Liquid Crystal, Biological, and Polymer Systems"		2,930.00
	Total	\$23,778.00

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Any comments concerning the contents of The University of Akron Chronicle may be directed to the Office of the President or to the Executive Director of University Relations and Communications.