

James Scanlon  
Provost

**TO:**

**STRATION, AND**

**FROM: AUBREY FOWLER, SECRETARY TO ACADEMIC SENATE**

**RE: MEETING OF THE ACADEMIC SENATE  
WEDNESDAY, APRIL 6, 1994, 4:00 P.M.  
ARTS AND SCIENCES AUDITORIUM, ROOM 132, DEBARTOLO HALL**

**AGENDA**

1. Call to Order.
2. Approval of Minutes for March 2, 1994, meeting.
3. Elections and Balloting Committee Report.
4. Charter and Bylaws Committee Report.  
934-7 Change in Charges for Honors/ICP and University Outreach Committees.
5. Senate Executive Committee Report.  
Faculty Advisory Committee Report.
6. Reports of Other Senate Committees.\*
  - 934-8 Report from Academic Programs Committee.  
Physical Therapy Program
  - 934-9 No Report Attached.
  - 934-10 Report from Academic Programs Committee.  
Respiratory Care Program
  - 934-11 No Report Attached.
  - 934-12 Report from Academic Programs Committee.  
Change in BUTEC 699 Grading
  - 934-13 Report from Academic Programs Committee.  
Studio Art/Spatial Arts Program
  - 934-14 Report from Academic Programs Committee.  
Studio Art/Graphics Art Program
  - 934-15 Report from Academic Programs Committee.  
Histotechnology Track in Medical Laboratory Technology Program
  - 934-16 Report from Academic Programs Committee.  
Add 899 to Professional Writing and Editing Program
  - 934-17 Report from University Curriculum Committee.
  - 934-18 Integrated Technologies Committee.
  - 934-19 Academic Programs Committee.  
Dana School of Music Change of Hours
  - 934-20 Academic Programs Committee.  
Hospitality Management Change
  - 934-21 Academic Programs Committee.  
Dental Hygiene Program Change
  - 934-22 Academic Programs Committee.  
Dietetics Program Change
  - 934-23 Academic Programs Committee.  
Drafting and Technology Program Change.Oral Report from Academic Standards and Events Committee.
7. Unfinished Business.
8. New Business.
9. Adjournment.

**RECEIVED**

**APR 4 1994**

**OFFICE OF THE PROVOST**

\* Additional supporting documentation for Academic Program changes are available from the Academic Programs Committee or the Senate Chair. Contact Dr. Julia Gergits, English or Virginia Phillips, BIS if you want to review additional documentation.4

COVER SHEET TO BE ATTACHED TO ALL REPORTS SUBMITTED TO THE ACADEMIC SENATE

Date 3-10-94 Report Number (For Senate Use Only) 934-7

Name of Committee Submitting Report Charter and Bylaws

Committee Status: (elected chartered, appointed chartered, ad hoc, etc.) \_\_\_\_\_

elected

Names of Committee members: M. Beaubien, H. Earnhart, K. Feld, D. Hovey,  
D. O'Neill (on leave), D. Rost

Please write a brief summary of the report which the Committee is submitting to the Senate: (attach complete report)

Changes in charges of University Outreach and Honors Committees.

Do you anticipate making a formal motion relative to the report? yes

If so, state the motion: Move the approval of these two changes to the  
Academic Senate bylaws.

If there are substantive changes made from the floor in your committee recommendation, would the committee prefer that the matter be sent back to committee for further consideration? No

Other relevant data: \_\_\_\_\_

*Mary J. Beaubien*  
10/11

Proposed changes to Charter and Bylaws

- I. From March 3, 1994 minutes:  
Section 2 (d) (3) -addition

The Honors Program and Individualized Curriculum Program Committee shall have authority to approve an Honors section of any course currently listed in the YSU bulletin. Such approval shall not be subject to further approval by the Undergraduate Curriculum Committee.

Note: C & B Committee changed "University" to "Undergraduate" in the last line to correspond to official committee title. The rest is as approved by Senate.

- II. From January 12, 1994 minutes:  
Approved by Senate

University Outreach Committee  
"The Committee shall be responsible for making recommendations to the Academic Senate as to policy related to the development of University Outreach services and programs inclusive of non-credit, continuing education, credit instruction, adult recruitment, over sixty programs, and adult study travel programs."

- Recommended by Charter and Bylaws Committee Section 2 (e)  
(2) change

The committee shall be responsible for making recommendation to the Academic Senate as to policy related to the development of, and recruitment for, University Outreach services and programs inclusive of non-credit, continuing education, credit instruction, over sixty programs, and travel/study programs.

COVER SHEET TO BE ATTACHED TO ALL REPORTS SUBMITTED TO THE ACADEMIC SENATE

Date February 14, 1994 Report Number (For Senate Use Only) 934-8

Name of Committee Submitting Report Academic Programs Committee

Committee Status: (elected chartered, appointed chartered, ad hoc, etc.) \_\_\_\_\_

Appointed chartered

Names of Committee members: G. Claypool, M. DeLost, J. Gergits, J. Gill-Wigal  
R. Jones, A. Owens, J. Yemma, R. Foulkes (ex officio)

Please write a brief summary of the report which the Committee is submitting to the Senate: (attach complete report) Academic Programs has accepted the new Physical Therapy Program (Department of Allied Health)

Do you anticipate making a formal motion relative to the report? No

If so, state the motion: \_\_\_\_\_

If there are substantive changes made from the floor in your committee recommendation, would the committee prefer that the matter be sent back to committee for further consideration? Yes

Other relevant data: \_\_\_\_\_

Julia M. DeLoyst  
Chair



Academic Programs Division

PD#      Date Rec'd

Addition of a new program     X     (Complete B, C)

Deletion of an existing program \_\_\_\_\_ (Complete A, C)

Change in an existing program \_\_\_\_\_ (Complete A, B, C)

Program title B.S. in Physical Therapy Department Allied Health

-----  
A. Describe the requirements of the program as it currently exists. (Attach additional sheets if necessary.)

-----  
B. Describe the requirements of the proposed program. (Attach additional sheets if necessary.)

See attached.

-----  
C. Using many additional sheets as are necessary, provide a rationale and estimate how this addition/deletion/change of program will impact upon the resources of departments other than the one originating the form (e.g. enrollments, frequency of support-course offerings, staffing, budgets, equipment, duplicate courses, etc.).

See attached.

-----  
Signatures

Dept. Chairman Madeline M. Haggerty

Dean John J. Ferris

Program Div. Julia M. Kozlowski

Senate \_\_\_\_\_



Academic Programs Division

PD#            Date Rec'd

Addition of a new program \_\_\_\_\_ X \_\_\_\_\_ (Complete B, C)

Deletion of an existing program \_\_\_\_\_ (Complete A, C)

Change in an existing program \_\_\_\_\_ (Complete A, B, C)

Program title B.S. in Physical Therapy Department Allied Health

A. Describe the requirements of the program as it currently exists. (Attach additional sheets if necessary.)

B. Describe the requirements of the proposed program. Attach additional sheets if necessary.)

See attached.

C. Using many additional sheets as are necessary, provide a rationale and estimate how this addition/deletion/change of program will impact upon the resources of departments other than the one originating the form (e.g. enrollments, frequency of support-course offerings, staffing, budgets, equipment, duplicate courses, etc.).

See attached.

Signatures

Dept. Chairman Madeline M. Haggerty

Dean John J. Gemma

Program Div. \_\_\_\_\_

Senate \_\_\_\_\_

PROJECTED EXPENDITURES

	1994	1995	1996	1997
A. Personnel Costs				
1. New Faculty (includes fringe benefits)	\$ 58,050 PHYTH	**\$ 43,860 BIOL 58,050 PHYTH	\$ 50,310 PHYTH 48,860 BIOL 58,050 PHYTH	\$152,220
2. Limited Service	26,000 (50 WLH BIOL)	13,000 (25 WLH BIOL) 12,000 (22 WLH AH)	13,000 (25 WLH BIOL) 16,000 (30 WLH AH)	13,000 (25 WLH BIOL) 16,000 (30 WLH AH)
3. Student Help	\$ 2,700	2,700	2,700	2,700
4. Travel				
Professional Development	650	1,300	1,300	1,300
Instructional Travel		1,500	1,500	1,500
B. General Support Supplies, printing, Xerox, postage, phones, computers, office furniture for faculty, phone lines, cadavers	11,000	11,000	11,000	9,000
C. Equipment Costs				
1. Physical Therapy Laboratory Equipment		48,844	50,000	20,000
2. Audiovisuals, computer programs	2,000	2,000	2,000	2,000
3. Library Resources				
Journals	1,000	1,000	1,000	1,000
Reference Books	5,000	5,000	2,000	2,000
D. Operation & Maintenance				
1. Equipment maintenance and equilibration			500	1,000
E. Renovations				
1. Physical Therapy Laboratory, Storage Room and Dressing Rooms	183,000 - 200,000			
Cadaver Laboratory	243,000 - 300,000			
F. Miscellaneous Accreditation	5,000	1,200	1,200	1,200
<b>TOTALS</b>	<b>\$ 537,400 - \$</b>	<b>611,400 \$201,454</b>	<b>\$254,420</b>	<b>\$222,920</b>

\*Will be employed by Biology.

## SUMMARY

The mission statement recently approved by the Academic Senate defines the following goal:

"to review existing programs and selectively develop new undergraduate and graduate programs with a view toward enhancing the quality of educational offerings, serving diverse needs of the metropolitan community, and fostering connections within and beyond the University."

The college mission emphasizes a similar goal and The Department of Allied Health statement pledges to develop new programs "which would offer alternative career paths for students and meet the needs of area health care facilities."

Physical Therapy is a program of undisputed need. It has received outstanding support from the professional community and institutions planning to offer the necessary facilities for the students' clinical experience. This program will benefit the University, our students and the community.



## PHYSICAL THERAPY PROGRAMS

PROGRAM	INSTITUTION NAME	INSTITUTION TYPE		DEGREE OFFERED
PHYSICAL THERAPY	CENTRAL OHIO TECHNICAL COLLEGE	PUBLIC	2 YR	ASSOCIATE
	CUYAHOGA COMMUNITY COLLEGE	PUBLIC	2 YR	ASSOCIATE
	KENT STATE UNIVERSITY	PUBLIC	4 YR	ASSOCIATE
	OWENS TECHNICAL COLLEGE	PUBLIC	2 YR	ASSOCIATE
	SHAWNEE STATE UNIVERSITY	PUBLIC	4 YR	ASSOCIATE
	SINCLAIR COMMUNITY COLLEGE	PUBLIC	2 YR	ASSOCIATE
	STARK TECHNICAL COLLEGE	PUBLIC	2 YR	ASSOCIATE
	UNIVERSITY OF CINCINNATI	PUBLIC	4 YR	ASSOCIATE
	BCSUMCO	PUBLIC	4 YR	BACCALAUREATE
	CLEVELAND STATE UNIVERSITY	PUBLIC	4 YR	BACCALAUREATE
	THE OHIO STATE UNIVERSITY	PUBLIC	4 YR	BACCALAUREATE
	OHIO UNIVERSITY	PUBLIC	4 YR	BACCALAUREATE
	UT/MCO	PUBLIC	4 YR	BACCALAUREATE

YOUNGSTOWN STATE UNIVERSITY  
BACHELOR DEGREE PROGRAM IN PHYSICAL THERAPY  
(DRAFT)  
ADMISSION POLICY

Admission to the University provides students with the opportunity to complete diverse general degree courses required in the program and students may apply and compete for a position in the program. Admission to the University and completion of required courses does NOT guarantee admission to the program.

The entry level into physical therapy defines a generalist who has mastered a significant and appropriately varied portion of the body of knowledge and who has shown that(s) he is capable of practicing safely and appropriately with minimum supervision in the clinical setting.

To be eligible for admission to the Physical Therapy Program, students must meet the following criteria in addition to any university pre-college requirements. (Refer to the YSU Undergraduate Bulletin for basic High School admission requirements).

**A. PRE-COLLEGE COURSE REQUIREMENTS**

1. Pre-College Courses--High School Preparation (Grade of "C" or better required).

<u>COURSES</u>	<u>EQUIVALENT COLLEGE COURSES</u>
Algebra I	Math 509 and 501, or 508
Geometry	Math 511
Algebra II	Math 512 or 513
Trigonometry	Math 520
Biology	Biology 508/L
Chemistry	Chemistry 501
Physics	Physics 501

2. GED students must also complete courses equivalent to the above pre-college Math, Biology, Chemistry, and Physics with a "C" or better.

**B. PRE-PROFESSIONAL COLLEGE COURSES REQUIRED**

1. COMMUNICATION  
English Composition: 2 course sequence  
Verbal Communication: 1 course
2. HUMANITIES  
Philosophy, Ethics, and Critical Thinking
3. BEHAVIORAL AND/OR SOCIAL SCIENCES  
Psychology: 3 courses--general, abnormal, and developmental  
Sociology: 2 courses--Introduction and Gerontology  
Anthropology: 1 course
4. NATURAL SCIENCES  
Biology: 5 courses, 2 general, 1 mammalian anatomy, 1 human physiology, 1 coordinated body functions  
Chemistry: 2 course sequence with lab  
Physics: 2 course sequence with lab
5. STATISTICS OR QUANTITATIVE METHODS  
1 course

**C. PROVISIONAL ADMISSION TO PROFESSIONAL CURRICULUM  
(Physical Therapy Major)**

1. **Provisional Admission** will be for the Spring Quarter prior to Fall (**FULL ADMISSION**). The deadline for application to the restricted program is **March 1**, with all necessary records received by **April 1**.
2. All applicants must have completed or be enrolled in Pre-College and Pre-Professional coursework by the Spring Quarter.
3. Applicants must have a 3.0 overall GPA on a 4 point scale in all college coursework and a 3.2 GPA in all Pre-Professional Science courses (Biology, Chemistry, Physics).
4. Each applicants must complete (-----) hours of observation, volunteer, or work experience in a physical therapy department under the supervision of a license physical therapist. Experience should be in two different facilities. A clinician reference or references will be requested.
5. Additional requirements prior to entering the professional curriculum:
  - Immunity to Hepatitis B Virus
  - Negative Tuberculosis test results
  - current CPR certification

YOUNGSTOWN STATE UNIVERSITY  
PROPOSED B.S. IN PHYSICAL THERAPY

PRE-COLLEGE REQUIREMENTS (High School Credits)

REQUIRED EARNED MUST HAVE GRADES OF "C" OR BETTER IN:

GRADE DEFICIENCY MAKE-UP COURSE

4	English	ENGL 540 or 550*
1	Algebra I	MATH 509 & 510 or 508
1	Algebra II	MATH 512 or 513
1	Geometry	MATH 511
1	Trigonometry	MATH 520
1	Biology	BIOL 508/L
1	Chemistry	CHEM 501
1	Physics	PHYS 501
1	U.S. History	
1	Social Science (Including 1/2 U.S. Government)	
1	Science or Social Science	
2	Foreign Language (both in same language)	
1	Fine and Performing Arts (Music, Art, Drama)	
2	Other	
19	TOTAL (See advisor concerning deficiencies.)	

High school deficiencies must be made up and these hours DO NOT count toward graduation.

\*Course taken is determined by the English Placement Test.

FIRST YEAR

Fall Quarter

BIOL 506/L	Principles of Biology I	4 ( )
CHEM 505/L	For Allied Health Science I	4 ( )
ENGL 550	Composition I	4 ( )
PSYCH 560	General Psychology	4 ( )
		<u>16</u>

Winter Quarter

BIOL 507/L	Principles of Biology II	4 ( )
CHEM 506/L	For Allied Health Science II	4 ( )
ENGL 551	Composition II	4 ( )
SOCIO 500	Fundamentals of Sociology	4 ( )
		<u>16</u>

Spring Quarter

PHYS 501	Fundamentals of Physics I	4 ( )
PHYL 530	Critical Thinking	4 ( )
SPCH 550	Public Speaking	4 ( )
PSYCH (755, 756 or 757)	Developmental Psychology	4 ( )
	ACTIVITY	1 ( )
		<u>17</u>

SECOND QUARTER

Fall Quarter

BIOL 792/L	Introduction to Animal Physiology	5 ( )
PHYS 502/L	Fundamentals of Physics II	4 ( )
PHIL 600	Introduction to Philosophy	4 ( )
MATEC 605	Pharmacology	4 ( )
		<u>17</u>

Winter Quarter

SOCIO 703	Sociology of Aging	4 ( )
ANTHR 711	Cultural Anthropology	4 ( )
BIS 613	Microcomputer Applications	4 ( )
PSYCH 702	Abnormal Psychology	4 ( )
		<u>16</u>

Spring Quarter

BIOL 710L	Mammalian Anatomy	4 ( )
PHIL 825	Biomedical Ethics	4 ( )
MATH 714	Probability and Statistics	5 ( )
	ACTIVITY	1 ( )
	ACTIVITY	1 ( )
		<u>15</u>

Summer Quarter

BIOL 868	Gross Anatomy I	4 ( )
HPES 795	Kinesiology	4 ( )
PHYTH 700	Intro to Physical Therapy	4 ( )
		<u>12</u>

THIRD YEAR

Fall Quarter

BIOL 869	Gross Anatomy II	4 ( )
BIOL 832	Principles of Neurobiology	4 ( )
HPES 896	Physiology of Exercise	4 ( )
PHYTH 701	P.T. Procedures I	2 ( )
PHYTH 701L	P.T. Procedures I Lab	1 ( )
		<u>15</u>

Winter Quarter

BIOL 829	Neuroanatomy	4 ( )
PHYTH 703	Pathology	3 ( )
PHYTH 702	P.T. Procedures II	3 ( )
PHYTH 702L	P.T. Procedures II Lab	2 ( )
PHYTH 710	Physical Agents I	4 ( )
PHYTH 710L	Physical Agents I Lab	1 ( )
		<u>17</u>

Spring Quarter

PHYTH 711	Physical Agents II	4 ( )
PHYTH 711L	Physical Agents II Lab	1 ( )
PHYTH 704	Medical Science (Ortho)	3 ( )
AHLTH 806	Research Methodology for Health Sciences	4 ( )
PHYTH 720	Clinical Education I	3 ( )
AHLTH 801	Special Topics in Allied Health	2 ( )
		<u>17</u>

Summer Quarter

PHYTH 721	Clinical Education II (10 weeks)	8 ( )
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FOURTH YEAR

Fall Quarter

PHYTH 805	Medical Science (Neuro)	3 ( )
AHLTH 810	Management Skills for Health Care Supervisor	4 ( )
HPES 714	Fitness Management	4 ( )
PHYTH 830	Therapeutic Exercise I	2 ( )
PHYTH 830L	Therapeutic Exercise I Lab	1 ( )
PHYTH 822	Clinical Education III	2 ( )
		<u>16</u>

Winter Quarter

HPES 770	Physical Activity and Aging	3 ( )
PHYTH 831	Therapeutic Exercise II	2 ( )
PHYTH 831L	Therapeutic Exercise II Lab	1 ( )
PHYTH 823	Clinical Education IV (10 weeks)	4 ( )
AHLTH 720	Cardiopulmonary Stress Testing	4 ( )
		<u>14</u>

Spring Quarter

PHYTH 824	Clinical Education V	8 ( )
AHLTH 820	Directed Individual Research	2 ( )
AHLTH 801	Special Topics in Allied Health	2 ( )
		<u>12</u>

All courses in PHYTH, BIOL, CHEM, PHYSICS, and HPES must be completed with a minimum grade of "C." Students will be dismissed from the Physical Therapy Program if they receive an "F" in any PHYTH course or 6 hours of "D" grades in any PHYTH, CHEM,

## NEED FOR PHYSICAL THERAPY

In 1989, a study by the Institute of Medicine noted that "the growth in the number of jobs for allied health workers will substantially exceed the nation's average rate of growth for all jobs" (Allied Health Services cited in Allied Health Education 1991, p 8). Physical Therapy was mentioned as a field in which severe imbalances in demand and supply would occur. These imbalances were highlighted in a survey conducted by the American Hospital Association. Health care CEOs reported nearly 640 vacant physical therapy positions under active recruitment. The data indicated that it would take an average of 22.5 weeks to recruit a replacement (Data Watch, 1990. p 15). This dearth of physical therapists has had an impact on access to care. In Physical Therapy Today, Mark Lane, (1991) President of the Washington State Physical Therapy Association reported that the licensing board in that state was concerned that because of the shortage, Physical Therapy Assistants and other unqualified individuals were providing more than minor therapy. To alleviate the problem, the state association was working on an interim permit that would allow new graduates and those applying for reciprocity to perform patient evaluations while awaiting licensure exam results.

It came as no surprise that the 1992-93 Occupational Outlook Handbook predicted that the employment of physical therapists is expected to grow much faster than the average for all occupations through the year 2005. This growth can be attributed to several changes in society. Our elderly population will be in need of therapeutic services for chronic and

debilitating conditions. The baby-boom generation is an age where heart attacks and strokes are more likely, thus increasing the need for cardiac and physical rehabilitation. In addition, this need will continue to grow as a result of advances in medical technology which will save the lives of more trauma victims and newborns with severe birth defects. (p. 156). Nationally, the need for physical therapists is well documented.

In Ohio, special task forces for each of nine major allied health education disciplines were commissioned in 1983 by the Ohio Board of Regents in order to assess future needs of allied health occupations. Their charge was to review and analyze data gathered in a survey which included public, private and proprietary institutions that offer health education. The survey requested current and projected information concerning the number, level and location of educational programs offered, enrollments, graduates, accreditation status of programs, placement rate of graduates, applicant pool and student performance on licensure examinations. Responses from 100 institutions, describing more than 180 educational programs were received. The manpower and needs data was supplied by the Ohio Consortium for Allied Health Education (OCAHE).

Physical Therapy was one of the nine programs investigated. The OCAHE survey demonstrated that physical therapy was among the most selective based on the ratio of student admissions to total applications received. It was noted that placement of graduates of Physical Therapy Programs had been 100 percent, and remains so today.

The Task Force reported that the number of graduates in Dietetic Assisting, Dietetic Technicians, Medical Laboratory Technology and Physical Therapy (Baccalaureate), were inadequate to meet market needs. The data collected supported the need for further physical therapy program development in Ohio. Desired practitioner-to-population ratios for 1985 indicated a need to increase the number of graduates for Physical Therapy (Baccalaureate) practitioners by 55%. At the time of this report (completed in 1985), there were three accredited Baccalaureate programs in the state. Since that initial study only two physical therapy programs have been granted accreditation (See Appendix A). In addition, there has been no significant increase in the number of graduates from the Ohio physical therapy programs since their inception. The recommendation of the Task Force is as relevant in 1993 as it was in 1985.

The nearest program to the Youngstown State University area is Cleveland State University, with a class capacity of 36. Two years of college is pre-requisite to enrollment and the Bachelor of Science degree is awarded. The Program at Ohio State University accepts 60-70 students annually. It also requires two years of college course work as a pre-requisite to program entry. The program is approximately 21 months long and the students receive a Bachelor of Science degree. It is difficult to gain acceptance into these programs since only a limited number of students can be accommodated. Cleveland State normally receives 160 applications each year and Ohio State, 350. In a 1990 study, education program directors of select allied health programs in Ohio reported insufficient numbers of qualified applicants. This was not the case for physical therapy which

noted "an overabundance of qualified applicants." (Health Care Human Resources cited in Allied Health Education, 1991, p. 10). Presently at Youngstown State University approximately 306 undetermined students are seeking to complete the necessary requirements in order to be eligible for acceptance in other physical therapy programs.



EVIDENCE OF NEED IN IMMEDIATE YOUNGSTOWN STATE UNIVERSITY AREA

The general need for physical therapists appears to be as critical in the immediate Youngstown State University area as it is nationally and throughout the state. A short questionnaire was sent to area hospitals, orthopaedic surgeons and independent physical therapy practices (see Appendix B). Of the 35 sent, 19 (54%) were returned. The respondents indicated an average of 5 physical therapists on staff. They reported 19 vacancies presently and anticipated 27 vacancies in the next year. The majority indicated that they would have difficulty filling the vacancies. On a scale of 1 to 5 representing "not difficult" to "very difficult" in locating replacement therapists, 3.5 was the average response. Twenty five potential sites for students' clinical education were identified from our survey.

The nearest physical therapy program to the Youngstown State University campus is located at Cleveland State University and the number of students that can articulate in that program is quite limited. Normally, any health educational program requiring clinical hospital experience is limited by the number of students who can be adequately supervised. It seems apparent that the need for physical therapists exceeds the number of graduates provided by the programs in operation in the state and especially by the program nearest Youngstown State University.

Members of the American Physical Therapy Association in our area are aware of the need for additional practitioners and have sent letters in support of a new program.

In Spring 1993, President Cochran recommended that a Task Force made up of area health professionals make recommendations regarding present and future degree programming offered by the College of Health and Human Services. Based on national data and the input of its members, the Task Force strongly supported the development of a physical therapy program in its final report.

Program justification is based on the need to respond to:

- I Community need for such a program as expressed by area hospital personnel and Physical Therapy practitioners.
  
- II The high level of interest expressed by high school and college age students from the Youngstown area. Many of these students are classified as undetermined majors seeking to complete as many required courses as they can before applying to other universities having Physical Therapy Programs. The students in the undetermined major following this option number approximately 306.
  
- III Interest expressed by students of other universities through the large number of inquiries received weekly.
  
- IV Physical Therapy is subject to the stringent standards of the American Physical Therapy Association Commission on Accreditation which demands high professional standards for all practitioners, careful documentation and record keeping and vastly improved in-service training. Youngstown State University and area health care institutions can supply the didactic and clinical resources necessary to meet accreditation standards.

V As a greater part of our population live into old age and federal and state standards become even more explicit, it appears inevitable that Physical Therapy will be required in extended care facilities and nursing homes. The population age 75 and older which requires the majority of health services will increase 35 percent by 2005 (Occupational Outlook Quarterly, p. 20).

VI Employment opportunities have expanded to include private practice, industry, community health agencies, sports medicine complexes, government agencies and educational institutions.

The above mentioned trends, which will continue into the next century, support the development of a physical therapy program in the Youngstown area.

## NATURE OF REQUEST

A preliminary prospectus for a Bachelor of Science in Physical Therapy was submitted to the Ohio Board of Regents last Spring. The proposal was reviewed by the Regents' Advisory Committee for Public Baccalaureate Programs and the University has been given permission to develop a full institutional proposal. The students will complete two years of foundation courses in science and general studies (pre-professional phase) followed by two years and two summers of professional courses (professional phase). It is anticipated that the pre-professional phase of this program will be in place by Fall 1994 and the professional phase by Fall 1995.

A consultant, Mr. Frank Pierson, was hired to assist in the planning process. Mr. Pierson was the former Director of the Physical Therapy Program at the Ohio State University. On October 13, 1993, he met with the following individuals on the Y.S.U. campus: John Yemma, Ph.D., Anthony E. Sobota, Ph.D., Louis N. Harris, Ed.D., Anthony Whitney, Ph.D., Robert A. Farr, Jr., P.T., Sally Kenney, M.S. in Ed., Harry Patrick, M.S. in Ed., and Madeleine Haggerty, Ph.D. A variety of topics such as curriculum, facilities, faculty, equipment and other resources were discussed. Mr. Pierson then met with Mr. Dan Wathen, the Athletic Trainer and toured the facilities available in Stambaugh. He also visited the Physical Fitness Room and the Cardiovascular Laboratory in Beeghley, representative classrooms and the Media Center. He subsequently submitted a consultation report outlining his recommendations.

ADVISORY COMMITTEE

An Advisory Committee was appointed to receive the input of the communities of interest in the development of these programs. The group has already met and their expertise was most valuable in curriculum planning. Additional meetings are scheduled to discuss all aspects of physical therapy education.

The membership consists of the following individuals:

Mr. Michael Cicchillo

Vice President of Professional Service

Western Reserve Care System - North Unit

500 Gypsy Lane

Youngstown, OH 44501

Mr. Robert A. Farr, Jr., P.T.

Director, Outpatient Rehab and Physical Therapy Services

Western Reserve Care System

Youngstown, OH 44501

Louis Harris, Ed.D.

Director, Respiratory Care Program

UNIVERSITY

Mr. C. Frits Hunsel, P.T.  
Director, Rehabilitative Service  
Trumbull Memorial Hospital  
P.O. Box 1269  
1350 E. Market Street  
Warren, OH 44482-1269

Mrs. Sally Kenney  
Academic Advisor  
College of Health and Human Services  
UNIVERSITY

Lynn Mikolich, M.D.  
St. Elizabeth Hospital Medical Center  
P.O. Box 1790  
Youngstown, OH 44501

Mr. Patrick Ranalli, P.T.  
Youngstown Physical Therapists, Inc.  
5550 Market Street - Suite #127  
Youngstown, OH 44512

Anthony Sobota, Ph.D.  
Chairman, Department of Biological Sciences  
UNIVERSITY

L. Anthony Whitney, Ph.D.

Professor

Department of Human Performance & Exercise Science

UNIVERSITY

Madeleine Haggerty, Ph.D.

Chairperson, The Department of Allied Health

UNIVERSITY

John J. Yemma, Ph.D.

Dean, College of Health and Human Services

UNIVERSITY

#### ADMINISTRATIVE ARRANGEMENTS

This program will be housed in The Department of Allied Health within the College of Health and Human Services which presently has Associate Degree programs in Dental Hygiene, Medical Assisting, Medical Laboratory Technology, Emergency Medical Technology and Respiratory Care and Baccalaureate programs in Allied Health and Medical Technology.

#### ENROLLMENT

Presently in the College of Health and Human Services, approximately 306 undetermined students are seeking to complete the necessary requirements to be eligible for acceptance in other Physical Therapy Programs. With the implementation of Y.S.U.'s pre-professional phase, this enrollment is

expected to increase as students compete for acceptance into the professional phase. It is likely that students from other areas of Ohio and its contiguous states will apply to Y.S.U.'s Physical Therapy Program as there are many well qualified applicants who are unable to obtain enrollment in existing programs. Twenty-four students will be accepted each year into the professional phase. See appendix C for Draft of Admissions Policy. Students not accepted will be apprised of alternative programs such as athletic training and cardiopulmonary rehabilitation.

### FACILITIES

It is anticipated that several classrooms in Cushwa Hall which will be vacated by Departments moving to new locations will be remodeled. One large laboratory will be required for a class of twenty-four students. The laboratory should be at least 30' x 30' so that 13 treatment tables, wall hanging mat platforms (hinged tables) and several pieces of small movable equipment can be accommodated. A dedicated classroom for twenty-four students and a storage room for equipment should adjoin the laboratory. In the laboratory sequence, students will practice on each other. This necessitates dressing rooms with shower facilities and lockers for male and female students. A cadaver laboratory (40' x 30') will be constructed in the basement of Cushwa Hall. This laboratory will be large enough for eight tables. Partitions with self-contained air conditioned units will separate each table. The facility will be renovated to meet state and national safety regulations. The University architect is in the process of drawing plans and determining the cost of the new facilities. See section on support courses.



At least four faculty offices in Cushwa Hall will be assigned to the program. Two will be used by full-time faculty and two by limited service. Desks, file cabinets, bookcases and computers will be purchased for these instructors.

Clinical courses will be taught off-campus in local hospitals and various health care settings. Nursing homes, home health care facilities, and rehabilitation centers are examples of affiliation sites in the private sector. The letters of support from area professionals indicate that these types of affiliation sites are available.

#### EQUIPMENT

Some existing facilities in Stambaugh and Beegley will be used for student demonstrations. The whirlpools and exercise equipment in Stambaugh can be used in courses addressing orthopedic evaluation and program planning. Aquatics therapy can be demonstrated and practiced in the swimming pool and the physical fitness room and cardiovascular laboratory which belong to the Department of Human Performance and Exercise Sciences will be used to demonstrate basic exercise for the prevention and treatment of disabilities and for cardiovascular evaluations. See Appendix D for list of available equipment.

## LIBRARY RESOURCES

Funds have been requested from the University Library Committee discretionary fund to begin acquiring textbooks and journals specific to this discipline. Considering the esoteric nature of the subject matter, eight to ten thousand dollars will be needed to purchase new publications.

The physical therapy consultant has recommended a list of reference books and journals to be purchased with program implementation. See Appendix E.

## SUPPORT COURSE OFFERINGS

A consultant hired to assist in the development of the Physical Therapy Program, noted in his report that one of the strengths of Y.S.U. was, "excellent pre-professional courses available on campus in most areas and some upper division courses that could be used in the professional phase". In the development of the curriculum, existing Y.S.U. courses were included whenever possible.

Students seeking admission into the program will be required to complete course work in Communications, Humanities, Social Science and Natural Sciences. Since a number of specific biology, chemistry and physics courses are required, additional sections of these laboratories may need to be offered. See Appendix F.

In the professional phase of the program, students are required to complete courses in Human Anatomy which would include cadaver dissection. In consultation with the Chairman of The Department of Biology and Dean John Yemma, it has been decided that a faculty member qualified to teach Human Anatomy and addition sections of the required biology classes would need to be hired. A cadaver laboratory will be housed in the basement of Cushwa Hall. Dr. Anthony Sobota and the University architect are working with the Northeastern Ohio College of Medicine to determine the cost and procedures in setting up this laboratory. Funding for this project is included in the University's request to the State Board of Regents in the Capital Improvement Request.

## FACULTY

Two new faculty positions have been requested. One individual will be hired in the first year as the Program Coordinator and would be responsible for developing the curriculum, purchasing equipment, audio-visual and teaching resources, identifying additional faculty, teaching didactic and/or clinical courses and preparing the accreditation self-study. The Commission on Accreditation in Physical Therapy Education requires that an institution seeking accreditation for a developing program employ a coordinator to plan and implement the program. A completed Declaration of Intent to apply for Accreditation must be submitted no later than six months prior to enrollment of the first class of students in the professional phase of the program.

The second faculty member would assist the Program Coordinator in the planning and implementation of the program. The individual's primary responsibility would be to coordinate the students clinical experience, and to develop the related clinical courses and evaluation system.

The number of courses, laboratory contact hours and student to faculty ratios requires two full time faculty members. Degree requirements for both positions require a minimum of a Bachelor's Degree in Physical Therapy and Master's Degree in the appropriate area.

A faculty member qualified to teach Human Anatomy and additional sections of the required biology classes would also need to be hired.

COVER SHEET TO BE ATTACHED TO ALL REPORTS SUBMITTED TO THE ACADEMIC SENATE

Date February 14, 1994 Report Number (For Senate Use Only) 934-10

Name of Committee Submitting Report Academic Programs Committee

Committee Status: (elected chartered, appointed chartered, ad hoc, etc.) \_\_\_\_\_

Appointed Chartered

Names of Committee members: G. Claypool, M. DeLost, J. Gergits, J. Gill-Wigal  
R. Jones, A. Owens, J. Yemma (admin) and R. Foulkes (ex officio)

Please write a brief summary of the report which the Committee is submitting to the  
Senate: (attach complete report) Committee accepted the program change  
for Respiratory Care (adding a four-year program which will eventually  
replace the existing two-year one)

Do you anticipate making a formal motion relative to the report? No

If so, state the motion: \_\_\_\_\_

If there are substantive changes made from the floor in your committee recommendation,  
would the committee prefer that the matter be sent back to committee for further  
consideration? Yes

Other relevant data: \_\_\_\_\_

Susan R. Gergits  
Chair



Academic Programs Division

PD#      Date Rec'd

Addition of a new program \_\_\_\_\_ (Complete B, C)

Deletion of an existing program \_\_\_\_\_ (Complete A, C)

Change in an existing program   x   (Complete A, 3, C)

Program title B.S. in RESPIRATORY CARE Department ALLIED HEALTH

-----  
A. Describe the requirements of the program as it currently exists. (Attach additional sheets if necessary.)

See APPENDIX A

-----  
3. Describe the requirements of the proposed program. (Attach additional sheets if necessary.)

See APPENDIX B

-----  
C. Using many additional sheets as are necessary, provide a rationale and estimate how this addition/deletion/change of program will impact upon the resources of departments other than the one originating the form (e.g. enrollments, frequency of support-course offerings, staffing, budgets, equipment, duplicate courses, etc.).

See APPENDIX C

-----  
Signatures

Dept. Chairman *M. ...* Dean *J. ...*  
Program Div. *S. ...* Senate *J. ...*  
11/1/83

YOUNGSTOWN STATE UNIVERSITY  
COLLEGE OF HEALTH AND HUMAN SERVICES  
A.A.S. DEGREE - RESPIRATORY CARE - 1993-94

**PRE-COLLEGE REQUIREMENTS (High School Credits)**

REQUIRED	EARNED	MUST HAVE GRADES OF 'C' OR BETTER IN:	GRADE	DEFICIENCY	MAKE-UP COURSE
4		ENGLISH			ENGL 540 or 550*
1		ALGEBRA I			MATH 509 & 510 (or 508)**
1		ALGEBRA II or GEOMETRY			MATH 512 or 511
1		CHEMISTRY			CHEM 501
1		BIOLOGY			BIOL 551
1		U. S. HISTORY			
1		SOCIAL SCIENCE (Includes 1/2 Unit U. S. Government)			
7		OTHER			
17		TOTAL (See Advisor Concerning Deficiencies)			

High school deficiencies must be made up and these hours DO NOT count toward graduation.

\*Course taken is determined by the English Placement Test.

\*\*Students who have had Algebra I in high school may take only 510, 511 and 512.

NOTE: Credit in Algebra I, Algebra II and Geometry is highly recommended and is required of one wishing to pursue the BSAS Degree.

**FIRST YEAR**

**First Quarter (FALL)**

RESPC 501 Introduction to Respiratory Care	3 ( )
RESPC 501L Introduction to Respiratory Care Lab	1 ( )
CHEM 505 Chemistry for the Health Sciences I	4 ( )
BIOL 551 Physiology & Anatomy of Man I with Lab	4 ( )
BIOL 560 Paramedical Microbiology with Lab	5 ( )

17

**Second Quarter (WINTER)**

RESPC 502 Intro. to Resp. Care Equipment	3 ( )
RESPC 502L Intro. to Resp. Care Equipment Lab	1 ( )
CHEM 506 Chemistry for the Health Sciences II	4 ( )
BIOL 552 Physiology & Anatomy of Man II with Lab	4 ( )
ENGL 550 Basic Composition I	4 ( )

16

**Third Quarter (SPRING)**

RESPC 503 Respiratory Procedures I	3 ( )
RESPC 503L Respiratory Procedures I Laboratory	1 ( )
RESPC 507 Introduction to Pulmonary Disease	2 ( )
RESPC 606 Pulmonary Function & Blood Gas Analysis	3 ( )
RESPC 606L Pulmonary Func. & Bld. Gas Analysis Lab	1 ( )
MATEC 605 Introduction to Pharmacology	4 ( )
PHYS 506 Physics for the Health Sciences	4 ( )

18

**Fourth Quarter (SUMMER)**

RESPC 504 Clinical Practice I	5 ( )
RESPC 601 Respiratory Procedures II	3 ( )
RESPC 601L Respiratory Procedures II Lab	1 ( )
RESPC 604 Respiratory Procedures III	3 ( )
RESPC 604L Respiratory Procedures III Lab	2 ( )

14

**SECOND YEAR**

**Fifth Quarter (FALL)**

RESPC 602 Clinical Practice II	5 ( )
RESPC 603 Pathology for Respiratory Care	4 ( )
RESPC 609 Pediatric Respiratory Care	3 ( )
RESPC 610L Cardiopulmonary Diagnostics Laboratory	1 ( )

13

**Sixth Quarter (WINTER)**

RESPC 605 Clinical Practice III	5 ( )
RESPC 608 Clinical Specialties	4 ( )
PSYCH 560 Introduction to Psychology	4 ( )
SOCIO 500 Fundamentals of Sociology	4 ( )

17

**Seventh Quarter (SPRING)**

RESPC 607 Clinical Practice IV	5 ( )
MATEC 502 Medical Law and Ethics	4 ( )
HPE 590 Health Education	3 ( )

\*\*\*Elective (Non-Science, Non-Math, or Non-Technical) 3 ( )

15

**TOTAL PROGRAM HOURS**

**110**

**TOTAL CLINICAL HOURS IN PROGRAM**

**1000**

**A Grade of "C" or better is required for graduation in:**

- 1) All Respiratory Care Courses
- 2) BIOL 551/551L, BIOL 552/552L and BIOL 560/560L.
- 3) CHEM 505 and 506 or their equivalents
- 4) PHYS 506 or its equivalent
- 5) All Medical Assisting Courses

NOTE: An overall YSU grade point average of 2.00 must be maintained to continue in the program.

Once a student is accepted into the Respiratory Care Program, only two (2) curriculum course repetitions are permitted (i.e. one course twice or two courses once).

\*\*\*English 551 is highly recommended for those wishing to pursue the BSAS in Allied Health Degree.

Revised 5/29/93

**RESPIRATORY CARE WORKSHEET**

APPLICATION DATE: \_\_\_\_\_

NAME: \_\_\_\_\_ SOC. SEC. NO.: \_\_\_\_\_

UNIV. STATUS: \_\_\_\_\_ YSU GPA: \_\_\_\_\_

PROGRAM GPA: \_\_\_\_\_

<b>HIGH SCHOOL</b>					
ALG 1: _____	GEOM: _____	ALG 2: _____	BIO: _____	CHEM: _____	
509 _____	510 _____	511 _____	512 _____	551 _____	501 _____

<b>PROGRAM COURSES</b>					
COURSE	HOURS	GRADE	VALUE	QP	COMMENTS
BIO 551	4				
BIO 552	4				
BIO 560	5				
CHEM 505	4				
CHEM 506	4				
ENG 550	4				
HLTH 590	3				
MATEC 502	4				
MATEC 605	4				
PHYS 506	4				
PSYCH 560	4				
SOCIO 500	4				

WEIGHT FACTOR: \_\_\_\_\_

1= 0.083	4= 0.332	7= 0.581	10= 0.830
2= 0.166	5= 0.415	8= 0.664	11= 0.913
3= 0.249	6= 0.498	9= 0.747	12= 1.000

**GPA** \_\_\_\_\_  
**+ WEIGHT FACTOR** \_\_\_\_\_  
**= ACTUAL PGPA** \_\_\_\_\_



PRE-COLLEGE REQUIREMENTS (High School Credits)

REQUIRED EARNED MUST HAVE GRADES OF "C" OR BETTER IN:

GRADE DEFICIENCY MAKE-UP COURSE

4	English	ENGL 540 or 550*
1	Algebra I	MATH 509 & 510 or 508**
1	Algebra II	MATH 512
1	Geometry	MATH 511
1	Biology	BIOL 551
1	Chemistry	CHEM 501
1	U.S. History	
1	Social Science (Including 1/2 U.S. Government)	
1	Science or Social Science	
2	Foreign Language (both in same language)	
1	Fine and Performing Arts (Music, Art, Drama)	
2	Other	
17	TOTAL (See advisor concerning deficiencies.)	

High school deficiencies must be made up and these hours DO NOT count toward graduation.

\*Course taken is determined by the English Placement Test.

\*\*Students who have had Algebra I in high school may take only 510, 511, and 512.

FIRST YEAR

Fall Quarter

MATEC 501	Medical Terminology	4 ( )
CHEM 505	Chemistry for Allied Health Sciences I	4 ( )
BIOL 551	Physiology and Anatomy I	4 ( )
	Elective	4 ( )
		<u>16</u>

Winter Quarter

CHEM 506	Chemistry for Allied Health Sciences II	4 ( )
BIOL 552	Physiology and Anatomy II	4 ( )
ENGL 550	Composition I	4 ( )
PSYCH 560	Introduction to Psychology	4 ( )
		<u>16</u>

Spring Quarter

SOCIO 500	Fundamentals of Sociology	4 ( )
MATEC 502	Medical Law and Ethics	4 ( )
RESPC 501	Introduction to Respiratory Care	4 ( )
HSC 590	Health Education	3 ( )
		<u>15</u>

SECOND YEAR

Fall Quarter

RESPC 520	Respiratory Care Assessment I	3 ( )
MATEC 605	Introduction to Pharmacology	4 ( )
BIOL 560	Paramedical Microbiology	5 ( )
SPCH 550	Public Speaking	4 ( )
		<u>16</u>

Winter Quarter

ENGL 551	Composition II	4 ( )
PHIL 530	Critical Thinking	4 ( )
RESPC 502	Introduction to RESPC Equipment	4 ( )
SOCIO 703	Sociology of Aging	4 ( )
		<u>16</u>

Spring Quarter

BET 613	Microcomputer Applications	4 ( )
RESPC 503	Respiratory Procedures I	4 ( )
RESPC 620	Respiratory Care Assessment II	4 ( )
	HUMANITY ELECTIVE	4 ( )
		<u>16</u>

Summer Quarter

RESPC 621	Cardiopulmonary Disorders Activity	4 ( )
		1 ( )
		<u>5</u>

THIRD YEAR

Fall Quarter

AHLTH 705	Pharmacotherapeutics	4 ( )
AHLTH 808	Environmental Concerns for Health Care Practitioners	4 ( )
RESPC 701	Respiratory Procedures II	3 ( )
RESPC 709	Neonatal/Pediatric Respiratory Care	4 ( )
RESPC 699	Intro to Respiratory Care Clinics	1 ( )
		<u>16</u>

Winter Quarter

RESPC 708	Clinical Specialties	4 ( )
RESPC 710	Cardiopulmonary Neurodiagnostics	2 ( )
RESPC 700	Clinical Practice I	2 ( )
RESPC 750	Rehabilitation and Preventative Care	3 ( )
AHLTH 803	Current Issues in Health Care	4 ( )
		<u>15</u>

Spring Quarter

AHLTH 806	Research Methodology	4 ( )
RESPC 720	Mechanical Ventilation I	4 ( )
RESPC 702	Clinical Practice II	5 ( )
RESPC 730	Cardiopulmonary Stress Testing	3 ( )
		<u>16</u>

Summer Quarter

RESPC 725	Mechanical Ventilation II	4 ( )
RESPC 760	Clinical Practice III	4 ( )
		<u>8</u>

FOURTH YEAR

Fall Quarter

RESPC 830	Pulmonary Case Management	4 ( )
RESPC 825	Clinical Practice IV	4 ( )
AHLTH 812	Advanced Cardiac Life Support	3 ( )
AHLTH 731	Respiratory Service Management ACTIVITY	3 ( )
		<u>15</u>

Winter Quarter

	SOCIAL SCIENCE ELECTIVE	4 ( )
RESPC 826	Clinical Practice V	3 ( )
AHLTH 814	International Health Care Systems	3 ( )
AHLTH 801	Special Topics	3 ( )
	ACTIVITY	1 ( )
		<u>14</u>

Spring Quarter

AHLTH 825	Neonatal Advanced Life Support	2 ( )
AHLTH 830	Pediatric Advanced Life Support	2 ( )
AHLTH 820	Directed Individual Research	2 ( )
AHLTH 807	Epidemiology	4 ( )
RESPC 827	Respiratory Care Leadership Practicum	2 ( )
		<u>12</u>

## RATIONALE FOR CHANGE IN RESPIRATORY CARE PROGRAM

**Proposed degree: Bachelor of Science in Respiratory Care**

**Current degree: Associate in Applied Science**

**Major: Respiratory Care**

The profession of **Respiratory Care** has traditionally been made up of two basic levels, the respiratory therapy technician and the respiratory therapist. Technician programs offer certificates on completion while therapist programs provide **associate** or **bachelor** degrees. Respiratory therapists play a key role in the diagnosis and management of patients with cardiopulmonary disorders. Most of their work is involved in critical care areas responsible for the care of a wide range of patients including neonates, adult trauma, and patients with chronic lung disease. The role of the technician is far more limited. Within Ohio, practitioners are licensed to practice by the Ohio Respiratory Care Board. Of the 365 CAHEA accredited therapist and technician programs nationally, **only 25 offer a bachelor degree** on completion.

There are numerous reasons for the need to convert our respiratory care program from an Associate in Applied Science to the bachelor-degree level. It is felt by the program faculty and the **YSU Respiratory Care Advisory Committee** that future graduates will need additional skills in order to meet the enhanced challenges of the health care industry. There are few baccalaureate programs nationally, and only one within Ohio, that will be able to provide the "advanced practitioners" that the respiratory care profession will need. Additional educational preparation, beyond the associate degree level will also be needed to adequately prepare graduates for national board examinations that have already changed in response to our expanded job duties with the health care system.

In recently published proceedings of a national consensus conference on respiratory care education (**American Association for Respiratory Care** [1992], "Year 2001, Delineating the Educational Direction for the Future of Respiratory Care Education"), it was recommended that "the future [respiratory therapy] educational system require a minimum of an associate degree to enter practice". There are two levels of respiratory care education considered suitable to develop the competencies required for future respiratory care practitioners. The AAS degree will serve as the new entry-level point into the field while the bachelor degree prepared individual will be considered the "advanced practitioner". The recommendation to eliminate one-year certificate programs is based on the fact that future job roles will require an expanded scope of practice that cannot be achieved in less than two years of educational preparation.

The need to prepare individuals for expanded job roles was also identified in the Report of the **PEW HEALTH PROFESSIONS COMMISSION** (Healthy America: Practitioners for 2005) states that the nation must have practitioners with expanded abilities and new attitudes to meet society's evolving health care needs. The trend for an expanded job role for respiratory care practitioners has been clearly noted in the report on job practices developed by the **AMERICAN ASSOCIATION FOR RESPIRATORY CARE** (AARC [1992], "A study of respiratory care practices 1992"). An **OHIO SOCIETY FOR RESPIRATORY CARE** report, "Current Scope of Services-Respiratory Care Professions - State of Ohio 1992) also noted the expanded job role of respiratory care professionals.

In response to the expanded job role of the respiratory care professional, the **NATIONAL BOARD FOR RESPIRATORY CARE** (responsible for individual proficiency testing) has changed the content and matrix to both the entry-level and advanced-practitioner examinations to reflect the changing job roles. It is the opinion of the faculty and **YSU-Respiratory Care Advisory Committee** that the program must expand to better prepare graduates for the national registry (advanced-practitioner) examinations.

The respiratory care practitioner of the future will need to be **multicompetent and multicrodentialled**. The role of the practitioner will expand away from the traditional hospital setting into alternate sites such as skilled nursing facilities, public health agencies, sleep study laboratories, and home care settings. In-house hospital responsibilities will decrease in basic modalities while likely increasing in advanced diagnostics and critical care. The two-year trained individual will not be adequately prepared to meet the advanced challenges of the future. Only through offering baccalaureate-level educational programs can the needed competencies be presented adequately.

Based on clinical resources, approximately 25 students will be accepted annually. At the end of the first four years, total enrollment in the respiratory care program will be 80-90 majors. It is estimated that about 70% of the students will be full-time students. This program will likely draw more "traditional" students into the program than the current associate degree curriculum. This may tend to draw students from a wider service area which may in slightly impact students living on campus. The only program within the state is at The Ohio State University. A bachelor degree program is also offered (partly) in a Pittsburgh-based hospital in conjunction with Indiana University of Pennsylvania. The next nearest bachelor degree program in respiratory care is in Wheeling, West Virginia.

Current laboratory facilities, full-time faculty, and basic support services are adequate within the department to meet initial needs of the proposed program. There will be need for some additional funding for **part-time faculty** within the Allied Health Department.

There should be no negative impact on the resources of departments that were included in the expanded bachelor degree curriculum. Virtually all of the courses [from outside the department] that were added to the curriculum offer multiple sections, two or three quarters a year. The proposed curriculum would only require that the additional courses be offered once a year. No courses from other departments were deleted from the former associate degree curriculum.

## ACADEMIC CURRICULUM DIVISION

### DESCRIPTION OF SECTION D

The justification for individual courses relates to the rationale of the overall program which is presented in the attached Academic Programs Division materials. The descriptions of individual courses and the distribution of lecture, laboratory, and clinical hours was developed to meet accreditation requirements, recommendations of the program's **Advisory Committee**, as well as the future needs of the profession which have been well documented in national **professional publications**.

Qualified full-time faculty for new courses include Louis N. Harris Ed.D., RRT and Janet Boehm M.S., RRT. As with the current program, some specialty courses will be taught by carefully screened, highly qualified, limited service faculty selected from medical personnel in the area with appropriate academic and professional credentials. Physicians, respiratory therapists, and nurses have all been appointed as limited-service faculty for various specialized courses within the curriculum.

Existing laboratory facilities (both space allocation and equipment), audiovisual media, and traditional library resources are adequate and already in place.

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COVER SHEET TO BE ATTACHED TO ALL REPORTS SUBMITTED TO THE ACADEMIC SENATE

Date 2/22/94 Report Number (For Senate Use Only) 934-12

Name of Committee Submitting Report Academic Programs Committee

Committee Status: (elected chartered, appointed chartered, ad hoc, etc.) \_\_\_\_\_

Appointed Chartered

Names of Committee members: G. Claypool, M. DeLost, J. Gergits, J. Gill-Wigal  
R. Jones, A. Owens, and J. Yemma R. Foulkes, ex officio

Please write a brief summary of the report which the Committee is submitting to the Senate: (attach complete report) Committee approved Business Informaton  
Systems proposal to change BUTEC 699, Internship to credit/no credit.

Do you anticipate making a formal motion relative to the report? No

If so, state the motion: \_\_\_\_\_

If there are substantive changes made from the floor in your committee recommendation, would the committee prefer that the matter be sent back to committee for further consideration? yes

Other relevant data: \_\_\_\_\_

W. M. Kasper  
Chair

**YOUNGSTOWN STATE UNIVERSITY CURRICULUM PROPOSAL for  
CURRICULUM DIVISION of ACADEMIC PROGRAMS & CURRICULUM DIVISION**

UCD # <b>94-008</b>	Date Rec'd <b>1-12-94</b>	IR Code
------------------------	------------------------------	---------

School Williamson College of Business Department Business Information Systems

Course Prefix BUTEC Course Number 699

Course Title Internship

Chair's Signature *Robert F. Rogers* Date 4-28-93 Telephone 3336

- Change (Complete A, B, C, D, E)  
 Add (Complete B, C, D, E)  
 Delete (Complete A, C, E)

**A** To delete or change an existing course, attach a clear photocopy of its description in the current Bulletin and list the page number.

699. Internship. Supervised internship in a cooperating selected field of your major area of specialization. Practical application of classroom theory. Prereq.: minimum of 2.50 GPA, sophomore standing and permission of faculty committee. Also student will work seven hours per week at an approved business location for one quarter hour credit.

1-4 a.n. p. 85

**B** To add or change a course, provide its description precisely as it is to appear in the Bulletin. Be succinct.

699. Internship. An opportunity to apply classroom theory to on-the-job work experience related to the student's major area of specialization. Participants engage in three activities during the quarter: work at an approved site, complete a related project, and attend bi-weekly seminars. Prerequisite: sophomore in good standing and permission of internship coordinator. One hour of credit may be earned for approximately 6-7 hours of participation per week.

**C** Yes  or No  this course is (to be) cross-listed with \_\_\_\_\_ (Department & Course Number)

Cross-listing to supplement  Cross-listing with joint responsibility

All cross-listed courses must be identified as such in the description of all courses involved — Check B above.

**D** Justify the course proposal, using additional sheets if necessary. Qualified faculty must be listed for a new course. Assurances must be provided that library resources and/or physical plant facilities are or will be available.

This new description more accurately describes the requirements of the internship program. It also incorporates the CR/NC grading option which is a more appropriate method of measuring performance in the internship program.

Course Workload: variable WH

**E** Yes  or No  this proposal will affect another Department in the University. If yes, explain \_\_\_\_\_

Signatures	Approval	Disapproval	Date
School/College Curr. Comm. <u><i>Robert F. Rogers</i></u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>5-12-93</u>
Dean <u><i>James ...</i></u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>5/12/93</u>
University Curr. Div.	<input type="checkbox"/>	<input type="checkbox"/>	_____
Academic Senate	<input type="checkbox"/>	<input type="checkbox"/>	_____



COVER SHEET TO BE ATTACHED TO ALL REPORTS SUBMITTED TO THE ACADEMIC SENATE

Date March 14, 1994 Report Number (For Senate Use Only) 934-13

Name of Committee Submitting Report Academic Programs

Committee Status: (elected chartered, appointed chartered, ad hoc, etc.) \_\_\_\_\_

Appointed Chartered

Names of Committee members: G. Claypool, M. DeLost, J. Gergits, J. Gill-Wigal,  
R. Jones, A. Owens, J. Yemma, and R. Foulkes (ex officio)

Please write a brief summary of the report which the Committee is submitting to the  
Senate: (attach complete report) Academic Programs Committee accepts the  
proposed changes to the Studio Art/Spatial Arts Program.

Do you anticipate making a formal motion relative to the report? No

If so, state the motion: \_\_\_\_\_

If there are substantive changes made from the floor in your committee recommendation,  
would the committee prefer that the matter be sent back to committee for further  
consideration? Yes

Other relevant data: \_\_\_\_\_

Julia M. Kessler  
Chair



Academic Programs Division

PD# \_\_\_\_\_ Date Rec'd \_\_\_\_\_

<input type="checkbox"/> Addition of a new program (Complete B, C) <input type="checkbox"/> Deletion of an existing program (Complete A,C) <input checked="" type="checkbox"/> Change in an existing program (Complete A,B,C) Program title <u>Studio Art/Spatial Arts Program</u> Department <u>Art</u>
---

A. Describe the requirements of the program as it currently exists. (Attach additional sheets if necessary.)

See attached (current program titles: Studio Art/Ceramics, Studio Art/Sculpture)

B. Describe the requirements of the proposed program. (Attach additional sheets if necessary.)

See attached (new program title: Studio Art/Spatial Arts)

C. Using as many additional sheets as are necessary, provide a rationale and estimate how this addition/deletion/change of program will impact upon the resources of departments other than the one originating the form (e.g. enrollments, frequency of support-course offerings, staffing, budgets, equipment, duplicate courses, etc.).

This program change will not require any change in the resources of the Art Department. It is being redesigned to meet accreditation standards of NASAD (National Association of Schools of Art and Design) which requires 65% of the coursework be in the major area. Consolidating these two areas of emphases will better accomodate student enrollment patterns, as well.

Signatures:

Department Chairperson [Signature]

Dean [Signature]

Program Division [Signature]

Senate \_\_\_\_\_

MEMORANDUM

To: Program Committee  
From: Mike Moseley, Art  
Subject: Spatial Arts Program  
Date: 11 February 1994

The following represents a change in the program title for the B.F.A Studio Art emphasis of Ceramics and Sculpture to Studio Art/Spatial Arts.

The changes are precipitated by the accreditation process currently underway for the Art Department, but also represent a more accurate description of what happens in three-dimensional programming at YSU. Both the Ceramics and Sculpture programs are currently overseen by one full-service faculty member with the support of limited service faculty.

NASAD (National Association of Schools of Art and Design) has determined that studies in the major area should total 65 % of the curriculum. Currently, the Ceramics and Sculpture programs total 63 % of the curriculum. By combining them, the curriculum will match the accreditation standards (to 66% of the curriculum), as well as better accommodate the needs of students.

These changes will not impact either the faculty or the physical resources of the department. In addition, they should not impact upon any other program in the University but represent a refined, strengthened program in three-dimensional art.



**BASIC COURSES: 14 q.h.**

Dept	Cat#	Title	q.h.	grade
English	550	Composition 1	4	
English	551	Composition 2	4	
H&PE	590	Health Education	3	

Dept	Cat#	Title	q.h.	grade
H&PE				
H&PE				
H&PE				

**AREA COURSES: 46 q.h.**  
168X

- The required minimums and maximums in each area are listed. Consult *Course Requirements-General* in *YSU Bulletin* for complete information.

**Social Studies: 16-22 q.h.**

- Course work in a minimum of two departments.

Dept	Cat#	Title	q.h.	grade

Dept	Cat#	Title	q.h.	grade

**Humanities: 8-18 q.h.**

- Course work in a minimum of two departments.
- REQUIRED: Art 523 and PHIL 710

Dept	Cat#	Title	q.h.	grade
Art	523	Survey of Western Art 3	4	
PHIL	710	Aesthetics	4	

Dept	Cat#	Title	q.h.	grade

**Science/Mathematics: 12-22 q.h.**

- At least 8 q.h. must be taken in science.

Dept	Cat#	Title	q.h.	grade

Dept	Cat#	Title	q.h.	grade

**GENERAL ELECTIVES: 8-9 q.h.**

Dept	Cat#	Title	q.h.	grade

Dept	Cat#	Title	q.h.	grade



**BASIC COURSES: 14 q.h.**

Dept	Cat#	Title	q.h.	grade
English	550	Composition 1	4	
English	551	Composition 2	4	
H&PE	590	Health Education	3	

Dept	Cat#	Title	q.h.	grade
H&PE				
H&PE				
H&PE				

**AREA COURSES: 46 q.h.**

- The required minimums and maximums in each area are listed. Consult *Course Requirements-General* in YSU *Bulletin* for complete information.

**Social Studies: 16-22 q.h.**

- Course work in a minimum of two departments.

Dept	Cat#	Title	q.h.	grade

Dept	Cat#	Title	q.h.	grade

**Humanities: 8-18 q.h.**

- Course work in a minimum of two departments.
- REQUIRED: Art 523 and PHIL 710

Dept	Cat#	Title	q.h.	grade
Art	523	Survey of Western Art 3	4	
PHIL	710	Aesthetics	4	

Dept	Cat#	Title	q.h.	grade

**Science/Mathematics: 12-22 q.h.**

- At least 8 q.h. must be taken in science.

Dept	Cat#	Title	q.h.	grade

Dept	Cat#	Title	q.h.	grade

**GENERAL ELECTIVES: 7-8 q.h.**

Dept	Cat#	Title	q.h.	grade

Dept	Cat#	Title	q.h.	grade

## Spatial Arts

## BFA

Art 500	Intro to Visual Art	1 q.h.
Art 501	Drawing 1	3
Art 502	Design 1	4
Art 503	Design 2	4
Art 504	Design 3	4
Art 521	Survey of Western Art 1	4
Art 522	Survey of Western Art 2	4
Art 600	Theory of Art	3
Art 601	Drawing 2	3
Art 602	Expressive Drawing 1	3
Art 606	Painting 1	4
Art 611	Woodblock & Monoprinting (4)	
OR		4
Art 612	Silk Screen (4)	
Art 701	Life Drawing	3
Art 705	Expressive Drawing 2	3
Art 725	Ceramics 1	4
Art 726	Ceramics 2	4
Art 810	Ceramics 3	4
Art 811	Ceramics 4	4/8*
Art 730	Sculpture 1	4
Art 731	Sculpture 2	4
Art 812	Sculpture 3	5/10*
Art 800	Studio Problems	
	Ceramics or Sculpture	5
Art 808	Twentieth Century Art to 1945	4
Art 809	Twentieth Century Art from 1945	4
Art History/Studio electives (upper division)		10
Art Minor**		21
TOTAL		124/125

\*Either 811 or 812 must be repeated once (for a total of 8/10 hours).

\*\*The major must total 124 hours. If a non-art minor is selected the additional 21 hours in the major must be studio coursework.





**BASIC COURSES: 14 q.h.**

Dept	Cat#	Title	q.h.	grade
English	1	Composition 1	4	
English	2	Composition 2	4	
H&PE	1	Health Education	3	

Dept	Cat#	Title	q.h.	grade
H&PE				
H&PE				
H&PE				

**AREA COURSES: 48 q.h.**

- The required minimums and maximums in each area are listed. Consult *Course Requirements-General* in *YSU Bulletin* for complete information.

**Social Studies: 16-22 q.h.**

- Course work in a minimum of two departments.

Dept	Cat#	Title	q.h.	grade

Dept	Cat#	Title	q.h.	grade

**Humanities: 8-18 q.h.**

- Course work in a minimum of two departments. • **REQUIRED:** Art 523 (4 q.h.) and Art 600 (3 q.h.)

Dept	Cat#	Title	q.h.	grade
Art	523	Survey of Western Art 3	4	
Art	600	Theory of Art	3	

Dept	Cat#	Title	q.h.	grade

**Science/Mathematics: 12-22 q.h.**

- At least 8 q.h. must be taken in science.

Dept	Cat#	Title	q.h.	grade

Dept	Cat#	Title	q.h.	grade

**GENERAL ELECTIVES: 5 q.h.**

Dept	Cat#	Title	q.h.	grade

Dept	Cat#	Title	q.h.	grade

COVER SHEET TO BE ATTACHED TO ALL REPORTS SUBMITTED TO THE ACADEMIC SENATE

Date March 14, 1994

Report Number (For Senate Use Only) 934-14

Name of Committee Submitting Report Academic Programs

Committee Status: (elected chartered, appointed chartered, ad hoc, etc.) \_\_\_\_\_

Appointed Chartered

Names of Committee members: G. Claypool, M. DeLosr, J. Gergits, J. Gill-Wigal,  
R. Jones, A. Owens, J. Yemma, and R. Foulkes (ex officio)

Please write a brief summary of the report which the Committee is submitting to the Senate: (attach complete report) Academic Programs accepts the changes in  
the Studio Arts/Graphic Arts Program.

Do you anticipate making a formal motion relative to the report? No

If so, state the motion: \_\_\_\_\_

If there are substantive changes made from the floor in your committee recommendation, would the committee prefer that the matter be sent back to committee for further consideration? Yes

Other relevant data: \_\_\_\_\_

Julia M. Kuyts  
Chair



Academic Programs Division

PD# \_\_\_\_\_ Date Rec'd \_\_\_\_\_

<input type="checkbox"/> Addition of a new program (Complete B, C) <input type="checkbox"/> Deletion of an existing program (Complete A,C) <input checked="" type="checkbox"/> Change in an existing program (Complete A,B,C) Program title <u>Studio Art/Graphic Design Program</u> Department <u>Art</u>
---

A. Describe the requirements of the program as it currently exists. (Attach additional sheets if necessary.)

See attached.

B. Describe the requirements of the proposed program. (Attach additional sheets if necessary.)

See attached.

C. Using as many additional sheets as are necessary, provide a rationale and estimate how this addition/deletion/change of program will impact upon the resources of departments other than the one originating the form (e.g. enrollments, frequency of support-course offerings, staffing, budgets, equipment, duplicate courses, etc.).

This program change will require the restructuring of Advertising Art and Professional Writing curriculums to include appropriate courses. The addition of English 743 will result in an increased enrollment in that course within three years as the new curriculum is implemented.

Signatures:

Department Chairperson [Signature]

Dean [Signature]

Program Division [Signature]

Senate \_\_\_\_\_



**M E M O R A N D U M**

Youngstown State University / Youngstown, Ohio 44555-3627

Department of Art

To: Curriculum/Program Committee  
From: Susan Russo, Chairperson, Art Department  
Date: 18 January 1994  
Subject: Graphic Design Program Changes

(216) 742-3627

The field of graphic design has been in a state of extreme flux for the last decade. Beginning in 1984, with the invention and immediate success of the Macintosh computer as a desktop design tool, the field has been revolutionized by computers. The changes that are obvious today are still transitional, as photography and the printing industries adapt to absorb new technology. What this means for the education of graphic design and advertising students is clear: programs with any professional validity must be in a constant mode of change as well, to reflect the field. At the same time, students still need to have a basic grounding of design, layout, typography and illustration which will provide the structure upon which computer skills are built.

The substantial changes presented in the following curriculum sheets represent an effort to keep the graphic design program contemporary with the field as it is practiced and to meet the standards of the Art Department accrediting agency, the National Association of Schools of Art and Design.

The changes fall into several categories:

- Changes in the course descriptions of previously existing classes to incorporate additional computer graphics technology and additional credit hours (3 to 4 qh) to effect that change. Because the changes were so many and so comprehensive, we felt it would be beneficial to students to utilize new catalog numbers for the new courses. Students who are already in the program will be provided with substitutions for courses they may have left to take (see attached).

- Additional courses added to the program to reflect the complex nature of this field. These additions will keep YSU's program competitive with other universities and provide the students with the training and background necessary to gain employment as graphic designers.

- Because of the increasingly technical component of the field, we are requesting that the minor be absorbed into the major field so that students will have the mandatory computer skills necessary to compete. Most graphic design students typically would have a minor in computer graphics anyway, since they recognize how important this area is to their future employment. If a student chooses to complete an additional minor (the most common after computer graphics being advertising or photography) that is certainly possible but it would not impact the total required major/minor hours necessary to graduate with the professional BFA degree in graphic design.

- The introductory course, previously Art 623, is now divided into two courses, one more theoretical core course for students entering the field (Art 655), and one as an overview class for Art Education and General Studio students (Art 618).

Course rotations and the impact on workload are evident in the following charts.



**BASIC COURSES: 14 q.h.**

Dept	Cat#	Title	q.h.	grade
Englist	2	Composition 1	4	
Englist	1	Composc 2	4	
H&PE	0	Health Education	3	

Dept	Cat#	Title	q.h.	grade
H&PE				
H&PE				
H&PE				

**AREA COURSES: 48 q.h.**

• The required minimums and maximums in each area are listed. Consult Course Requirements-General in YSU Bulletin for complete information.

**Social Studies: 16-22 q.h.**

• Course work in a minimum of two departments.

Dept	Cat#	Title	q.h.	grade

Dept	Cat#	Title	q.h.	grade

**Humanities: 8-18 q.h.**

• Course work in a minimum of two departments. • REQUIRED: Art 523 (4 q.h.) and Art 600 (3 q.h.)

Dept	Cat#	Title	q.h.	grade
Art	523	Survey of Western Art 3	4	
Art	600	Theory of Art	3	

Dept	Cat#	Title	q.h.	grade

**Science/Mathematics: 12-22 q.h.**

• At least 8 q.h. must be taken in science.

Dept	Cat#	Title	q.h.	grade

Dept	Cat#	Title	q.h.	grade

**GENERAL ELECTIVES: 5 q.h.**

Dept	Cat#	Title	q.h.	grade

Dept	Cat#	Title	q.h.	grade

**Graphic Design Curriculum Draft 1.19.94**

**YEAR 1**

Art 500 Intro	1 qh
Art 501 Drawing 1	3
Art 502 Design 1	4
Art 503 Design 2	4
Art 504 Design 3	4
Art 521 Survey 1	4
Art 522 Survey 2	4
Art 523 Survey 3	4
(BIS 520 Typewriting/Keyboarding 2qh)	
Art 550 Computer Graphics for the Artist	4
	total 32 qh

**YEAR 3**

Art 650 Computer Graphics 2	4 qh
Art 728 Illustration	4
Art 755 Graphic Design 2 (Type & Image)	4
<hr/> <i>PORTFOLIO REVIEW</i> <hr/>	
Art 756 Typography 2 (Expressive Typography)	4
Art 757 Identity Systems	4
English 743 Technical Communication	4
Art 758 Informational Graphics	4
Art 780 Photography 1	4
Art 782 Photography 3	4
Art 749 Graphic Design History	4
	total 40 qh

**YEAR 2**

Art 655 Graphic Design 1	4 qh
Art 656 Typography 1	4
<hr/> <i>ADVISORY PORTFOLIO REVIEW</i> <hr/>	
Art 650 Computer Graphics 2	4
Art 657 Desktop Publishing	4
Art 601 Drawing 2	4
Art 602 Expressive Drawing	4
Art 606 Painting 1	4
Art 612 Silk Screen	4
Art 600 Theory	3
	total 35 qh

**YEAR 4**

Art 725/730 Ceramics or Sculpture	4 qh
Art 830 Pre-Press Production	4
Art 841 3-Dimensional Graphics	4
Art 842 Publication Design	4
Professional Practices	
800 Studio Problems OR	} 3+3
840 Internship	
Art 845 Business Skills	4
Art 846 Senior Portfolio/Seminar	4
Art History Electives (2)	8
	total 38 qh

145 hours (excluding typewriting) (deleting Art 705 and Art 701 from current curriculum)

**\*This includes the 21 qh for a minor.**

50 University requirements

**195 hours for graduation plus any additional electives**



COVER SHEET TO BE ATTACHED TO ALL REPORTS SUBMITTED TO THE ACADEMIC SENATE

Date March 11, 1994 Report Number (For Senate Use Only) 934-15

Name of Committee Submitting Report Academic Programs

Committee Status: (elected chartered, appointed chartered, ad hoc, etc.) \_\_\_\_\_

Appointed chartered

Names of Committee members: G. Claypool, M. DeLost, J. Gergits, J. Gill-Wigal,  
R. Jones, A. Owens, J. Yemma, R. Foulkes (ex officio)

Please write a brief summary of the report which the Committee is submitting to the Senate: (attach complete report) Academic Programs accepts the proposal for a Histotechnology Track in the Medical Laboratory Technology Program.

Do you anticipate making a formal motion relative to the report? No

If so, state the motion: \_\_\_\_\_

If there are substantive changes made from the floor in your committee recommendation, would the committee prefer that the matter be sent back to committee for further consideration? Yes

Other relevant data: \_\_\_\_\_

Judith M. Knight  
Chair

Youngstown State University  
Academic Programs Division

PD= \_\_\_\_\_ Date Rec'd \_\_\_\_\_

Addition of a new program XX (Complete B,C)  
Deletion of an existing program \_\_\_\_\_ (Complete A,C)  
Change in an existing program \_\_\_\_\_ (Complete A,B,C)

Program title Histotechnology track  
in Medical Laboratory Technology Department Allied Health  
-----

A. Describe the requirements of the program as it currently exists.  
(Attach additional sheets if necessary.)

-----  
B. Describe the requirements of the proposed program. (Attach additional sheets if necessary.)

Please see attached documentation and curriculum. The Histotechnology Program is an alternative track in the MLTEC-AD Program.

-----  
C. Using as many additional sheets as are necessary, provide a rationale and estimate how this addition/deletion/change of program will impact upon the resources of departments other than the one originating the form (e.g. enrollments, frequency of support-course offerings, staffing, budgets, equipment, duplicate courses, etc.).

Please see attached documentation.

-----  
Signatures

Department Chairperson Dr. M. Haggart

Dean John DeFemmo Prog. Div. Sub. M. Karsitz

4/1/89

Page 405.1

**OHIO BOARD OF REGENTS**  
**Request for Preliminary Approval**

Youngstown State University  
Name of Campus

requests preliminary approval of the  
Administrator for Two-Year Campuses  
of the Ohio Board of Regents to:

Develop proposal for a new two-year ASSOCIATE DEGREE program.

Title of Program: \_\_\_\_\_

Offer a MAJOR under an associate degree program already approved for this campus.

Title of Program: Medical Laboratory Technology

Title of Major: Histotechnology

Offer a one-year program.

Title of Program: \_\_\_\_\_

Cooperating Campus: \_\_\_\_\_

\_\_\_\_\_  
Signature of Campus Official Making Request

\_\_\_\_\_  
Date of Request

Return to: Director, Two-Year Campus Programs  
Ohio Board of Regents  
30 East Broad Street, 36th Floor  
Columbus, Ohio 43266-0417

-----  
Date Distributed to Two-Year Campus Leadership: \_\_\_\_\_

OBR STAFF ACTION:

- Approved
- Denied
- Held for further consideration
- Comments/Conditions \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
Director, Two-Year Campuses

\_\_\_\_\_  
Date

Ohio Board of Regents  
Operating Manual for Two-Year  
Campus Programs

Format/  
Preliminary Approval

4/1/89

Page 405.2

I. Why is this proposed addition to the curriculum necessary?

Area health care leaders have expressed the need for an accredited, University based histotechnician program. A survey sent to histotechnology laboratories in the tri-county area as well as Akron, Canton and Cleveland indicated the need for additional registered laboratory technicians.

In addition, the Clinical Laboratory Improvements Amendment of 1988 has established the Associate Degree as the minimal entry level for histotechnicians. This will require those with "on the job training" to attain a degree. The only other accredited Ohio histotechnology program is located in Columbus.

II. Is this program/major currently offered by any postsecondary institution (public, private, or proprietary) within a thirty mile radius of the requesting campus?

A. Yes  No

B. If yes, name of institution: \_\_\_\_\_

C. If yes, why should an additional program in the area be initiated?

III. Preliminary estimate of additional costs which would be incurred by the addition of this program/major, taking into account the costs of new faculty, equipment, remodeling, and other instructional and indirect costs:

No additional resources are required.

IV. Preliminary estimate of headcount enrollments:

	19 <u>9</u> 4 - 19 <u>9</u> 5	19 <u>9</u> 5 - 19 <u>9</u> 6
First Year Students	5 - 10	10 - 15
Second Year Students		5 - 10
Total	5 - 10	15 - 25

## Introduction

The Allied Health Department of Youngstown State University offers programs in Medical Assisting Technology, Respiratory Care, Emergency Medical Technology, Dental Hygiene, Medical Technology and Medical Laboratory Technology. These programs were developed in response to a community need and have been very successful in training well qualified professionals. As we move into the next century, higher education must continue to be responsive to the changes and challenges that face the health care professions. A recent Department of Labor Report indicates that from 1990 to 2005 the health care industry will grow 44% and account for 17% of the total employment growth in the nation. This same report noted that there will be a 26% growth for clinical laboratory technicians.

In the last year, a member of the Medical Laboratory Technology Advisory Committee indicated that a need existed in our community for a University based Histotechnology Program. The Clinical Laboratory Improvement Amendments of 1988 has set the Associate Degree as the entry level for histotechnicians. This will require those individuals with "on the job training" to acquire a degree. In addition, a survey sent to histotechnology laboratories in the tri county area noted a projected need for these technicians. The respondents indicated that new technology and increasing workload accounted for the shortage. Twenty four of the twenty five returned surveys noted difficulty in recruiting registered histotechnicians.

The 1993 Task Force on Health Careers and Professions made up of area health care leaders and Youngstown State University officials was charged with making recommendations regarding programs in the newly formed College of Health and Human Services. In their discussions the need for a Histotechnician Program was noted and the hospitals affirmed their support and cooperation in the development of clinical sites for these students.

The Allied Health Department is requesting approval to offer a Histotechnology Major under the existing Medical Laboratory Technology Program. The core requirements for this curriculum are already in place and no additional resources will be required. Students will receive an Associate in Applied Science Degree.

## PROPOSAL FOR HISTOTECHNOLOGY TRACK IN MEDICAL LABORATORY TECHNOLOGY PROGRAM

### I. Nature of Request

- A. Indicate the type of program being requested (new degree and/or new degree program).

Histotechnology Program  
Associate in Applied Science

- B. Indicate the location of the proposed program (e.g., main campus, off-campus site).

The Histotechnology Program will be housed in the Allied Health Department which offers Associate Degrees in Medical Laboratory Technology, Dental Hygiene, Respiratory Care, Medical Assisting Technology, and Emergency Medical Technology, and Baccalaureate degrees in Medical Technology and Allied Health. The clinical experience will be obtained at various affiliated hospitals and private laboratories.

### II. Objectives for the Proposed Program

- A. State the general and specific educational objectives of the program.

The Program will provide the tri-state area with highly qualified and board eligible histotechnicians to meet a growing shortage. The Clinical Laboratory Improvement Amendments of 1988 (CLIA 88) has established the Associate Degree as the minimum entry level for a histotechnician. This degree will also provide an opportunity for employed histotechnicians without a degree to take Youngstown State University courses to meet these new federal requirements.

- B. Describe how this program will help achieve the goals and objectives of your institution in terms of its role and mission.

An associate degree in histotechnology will provide students interested in the clinical laboratory field with an additional career alternative to medical technology, medical laboratory technology, and cytotechnology.

See attached College Mission Statement.

- C. Describe any unique characteristics or resources which make it particularly appropriate for your institution to offer the proposed program.

No additional courses will be added. The core requirements are in place. No new faculty are requested and the education coordinator only requires a contractual agreement with the University (the Program Director will be Maria Delost). The

Needs Assessment Survey indicates a need for histotechnicians; in addition area and regional hospitals have expressed a need for registered histologic technicians. There are six area hospitals which qualify as clinical internship sites.

Histotechnician AAS  
Curriculum

All Biology, Chemistry and MLTEC courses must be completed with a minimum grade of C.

Students are permitted to repeat a maximum of 8 hours of coursework. Any student receiving over 8 hours of D or F in Biology, Chemistry, MLTEC or histotechnology courses will be dismissed from the Program.

Total Hours = 99    Total Technical Hours = 48

Curriculum

FALL - 1st Quarter

MLTEC 501	Introduction to Medical Technology	3
MLTEC 501L	Introduction to Medical Technology Lab	1
ENGL 550	Composition I	4
BIOL 506/506L	Principles of Biology I with Lab	4
CHEM 505/505L	Chemistry for Allied Health Sciences with Lab	4
		16

WINTER - 2nd Quarter

MATEC 501	Medical Terminology	4
BIOL 507/507L	Principles of Biology 2 with Lab	4
BIOL 508/508L	Principles of Biology 3 with Lab	4
CHEM 506/506L	Chemistry for Allied Health Sciences with Lab	4
		16

SPRING - 3rd Quarter

BIOL 713	Histology	4
MLTEC 787/787L	Diagnostic Microbiology	2+2
MATEC 502	Medical Law & Ethics	4
SOCSC Elective		4
CSCI 530	Computer Literacy	4
or BET 613	Microcomputer Applications	4
		16



SUMMER - 4th Quarter

ENGL 551	Composition 2	4
SOCSC Elective		4
HPE 590	Health Education	3
BIOL 837	Cytology and Techniques	<u>4</u>
		15

Possible Alternative BIOL:

BIOL 703/703L	Clinical Immunology with Lab	2+1
---------------	------------------------------	-----

FALL - 5th Quarter

*MLTEC 610	Histotechnician Practicum 1	12
------------	-----------------------------	----

WINTER - 6th Quarter

*MLTEC 620	Histotechnician Practicum 2	12
------------	-----------------------------	----

SPRING - 7th Quarter

*MLTEC 630	Histotechnician Practicum 3	12
------------	-----------------------------	----

Total Program Hours: 99

MLTEC 610 Histotechnician Practicum 1:

Assignment to Histotechnician clinical affiliate. Histologic procedures include instrumentation, cell structure, fixatives, processing and sectioning of tissues. Forty hours of clinical experience per week. Prereq. Successful completion of the first four quarters of Histotechnician curriculum. 12 qh

MLTEC 620 Histotechnician Practicum 2:

Assignment to Histotechnician clinical affiliate. Histologic procedures include general staining methods, and nuclear, cytoplasmic, nervous tissue, connective tissue, and muscle fiber stains. Forty hours of clinical experience per week. Prereq: Successful completion of MLTEC 610. 12 qh

MLTEC 630 Histotechnician Practicum 3:

Assignment to a clinical affiliate. Histologic procedures involving microorganisms immunochemistry, DNA/RNA probes, electron microscopy, flow cytometry, and special techniques. Forty hours of clinical experience per week. Prereq.: Successful completion of MLTEC 620 with a minimal grade of C. 12 qh

## COLLEGE OF HEALTH AND HUMAN SERVICES

### MISSION

The Mission of The College of Health and Human Services is to transmit knowledge, develop critical thinking and serve society through holistic, integrative and quality programs at the associate, bachelor's and master's levels. The College extends the frontiers of knowledge through research, public service and instruction that addresses community, regional, and national and international needs.

The environment of the College is conducive to effective teaching and learning, realization of the potential of each student through a combination of academic coursework and field/clinical experiences, and the professional development of faculty.

Emphasis is placed upon providing opportunities to develop high standards of professional ethics and personal value systems. The expectation is that students will achieve a high level of professional competence which enables them to address society's everchanging demands for health care and human services.

### GOALS

To accomplish this mission, the college will:

- .Maintain and update existing associate, bachelor's and master's programs
- .Research and implement appropriate programs to accommodate societal mandates for qualified health and human service professionals
- .Maintain and upgrade existing laboratories
- .Provide state-of-the-art facilities for new and expanding programs, particularly a wellness center and a model intergenerational day care facility
- .Promote collaborations in research, service, and instruction in such areas as gerontology, day care, developmental disabilities, rehabilitation, acute and chronic illness, nutrition, environmental concerns, law enforcement, health promotion and family life education
- .Provide courses which contribute to general education of University students by addressing their basic human needs
- .Support the professional growth and development of faculty

COVER SHEET TO BE ATTACHED TO ALL REPORTS SUBMITTED TO THE ACADEMIC SENATE

Date March 11, 1994

Report Number (For Senate Use Only) 934-16

Name of Committee Submitting Report Academic Programs Committee

Committee Status: (elected chartered, appointed chartered, ad hoc, etc.) \_\_\_\_\_

Appointed chartered

Names of Committee members: G. Claypool, M. DeLost, J. Gergits, J. Gill-Wigal,  
R. Jones, A. Owens, J. Yemma, R. Foulkes (ex officio)

Please write a brief summary of the report which the Committee is submitting to the Senate: (attach complete report) Academic Programs accepts the English Department's addition of English 300 to the Professional Writing and Editing Program.

Do you anticipate making a formal motion relative to the report? No

If so, state the motion: \_\_\_\_\_

If there are substantive changes made from the floor in your committee recommendation, would the committee prefer that the matter be sent back to committee for further consideration? Yes

Other relevant data: \_\_\_\_\_

*John M. DeLoe*  
Chair



**Academic Programs Division**

PD# \_\_\_\_\_ Date Rec'd 3/1/94

<input type="checkbox"/> Addition of a new program (Complete B, C) <input type="checkbox"/> Deletion of an existing program (Complete A,C) <input type="checkbox"/> Change in an existing program (Complete A,B,C) Program title <u>Professional Writing and Editing</u> Department <u>English</u>
---

A. Describe the requirements of the program as it currently exists. (Attach additional sheets if necessary.)

See attached sheet

B. Describe the requirements of the proposed program. (Attach additional sheets if necessary.)

See attached sheet

Approval of ENGL 899 Professional Writing Senior Project will add 2 q.h. to the total hours required for the Professional Writing and Editing major.

C. Using as many additional sheets as are necessary, provide a rationale and estimate how this addition/deletion/change of program will impact upon the resources of departments other than the one originating the form (e.g. enrollments, frequency of support-course offerings, staffing, budgets, equipment, duplicate courses, etc.).

See attached sheet

Signatures:

Department Chairperson Sandra H. Stephenson

Program Division Susan M. Hunter Senate \_\_\_\_\_

To: English Department, Undergraduate Curriculum Committee  
From: Professional Writing & Editing Committee  
Subject: A Proposal for English 399. *Senior Project*

In addition to course requirements, students majoring in Professional Writing and Editing must successfully complete a comprehensive project. At present, students receive no academic credit for fulfilling this requirement. By granting academic credit for the senior project, the University would recognize the extensive work undertaken by the students, and student transcripts would reflect this accomplishment.

### Course Description

The senior project has a twofold purpose:

- To demonstrate that the student has mastered the skills of writing, editing, and document design.
- To demonstrate to a potential employer the student's ability to accomplish professional work.

The project may respond to University or community needs, may be suggested by a faculty member, or may be based on work the student has done as an employee or intern. Normally, the senior project—which may take any form appropriate to its audience and purpose while maintaining professional and academic standards—takes two academic quarters to complete. Students work with an advisor and two close readers, each of whom is a [faculty] member of the Professional Writing and Editing Committee of the Department of English. When their work is finished, students explain and discuss their projects with the entire PW&E Committee in a formal and professional presentation for the committee's assessment and approval.

### Rationale

Since its inception, the senior project requirement has given PW&E majors the opportunity to apply knowledge gained in course work to "real-world" needs. Past projects have ranged from writing and designing an instruction manual for the University's data processing department, to a major revision of United Way literature, to developing and producing a directory of multicultural film and videotape for faculty use, to writing a computer manual for the Allen-Bradley Co.

During the two quarters the students work on their projects, they generally spend more than 100 hours meeting the requirement. Yet other than the satisfaction of a job well done and a letter from the PW&E committee, the students receive no academic recognition of their accomplishments.

The English Department would not be the first to offer a credit course for students' individual projects. Similar courses include—

- Computer Science 390. *Computer Projects*. Individualized study of a topic in computer science culminating in a written report and an oral presentation. May be repeated up to 10 quarter hours. 2–5 q.h.
- Physical Geography 320. *Special Problems in Physical Geography*. An in-depth study of a specific problem in physical geography. The problem is dependent upon the student's interest and competence, availability of faculty supervision and departmental equipment. Maximum credit four hours. 1–4 q.h.
- Mathematics 396. *Mathematics Projects*. Individualized study of a topic in mathematics culminating in a written report and an oral presentation. May be repeated once with the approval of the department chairperson. 2 q.h.
- Finance 371. *Small Business Enterprise*. Students work with actual problems faced by small businesses under faculty supervision. Problems are defined, analyzed and researched. Recommendations are developed and presented to clients for evaluation. 4 q.h.

A similar credit course offered in the Department of English would reaffirm the value of work students are already doing and provide the department and the University with a formalized measure of assessment.

### Catalog Description

English 399. *Senior Project*. Individualized research, analysis, and development of a project that incorporates audience-appropriate writing, design, and/or editing and culminates in a useable high-quality product. Taken in successive quarters during the student's final undergraduate year. Prereq.: senior standing in Professional Writing and Editing. 1+1 q.h.

COVER SHEET TO BE ATTACHED TO ALL REPORTS TO BE SUBMITTED TO THE ACADEMIC SENATE

Date March 22, 1994 Report Number (For Senate Use Only) 934-<sup>17</sup>

Name Of Committee Submitting Report: University Curriculum Committee

Committee Status: (elected chartered, appointed chartered, ad hoc, etc.)

Appointed Charter

Names of Committee Members: S. Ausmann, B. Bowers, J. Campbell, H. Chen, R. Foulkes, J. Gergits, M. Haggerty, S. Rippberger, H. Yiannaki

Please write a brief summary of the report the committee is submitting to the Senate (attach complete report): The following proposals have been approved by the UCC and circulated through the proper channels, and there are no objections.

Do you anticipate making a formal motion relative to the report? No

If so, state the motion: \_\_\_\_\_

If there are any substantive changes made from the floor in your committee recommendation, would the committee prefer that the matter be sent back to the committee for further consideration? \_\_\_\_\_

Other relevant data: \_\_\_\_\_

RS  
Chairman (please initial)

94-001 Health And Human Services (Add)  
669 *Principles of Motor Learning.* The study of physiological principles relevant to motor learning. Focus on how motor skills are acquired through practice and/or experiences. One hour lecture and two hour lab per week. Prereq.: HPES 595 and 5 activities including HPES 549. 2 q.h.

94-003 Health And Human Services (Add)  
612 *Medical Records Management.* Includes medical record administration in order to create, maintain, protect, and preserve records. Emphasis will be on the development and maintenance of appropriate filing systems and ethical and legal requirements and restrictions of medical records. Prereq.: MATEC 501, MATEC 502. 3 q.h.

94-004 Health And Human Services (Add)  
614 *Medical Office Procedures.* Fundamentals in patient reception, appointment scheduling, communication techniques, office management systems, and preparation of an office policy manual. 3 Hours lecture, 6 hours of assignments per week. Prereq.: OSA 523, MATEC 501, MATEC 502. 4 q.h.

94-005 Health And Human Services (Change)  
704L *Clinical Internship I.* Eighteen hours per week of practical application of skills in affiliate hospitals and private laboratories. Prereq.: Completion of five previous quarters of MLTEC curriculum grade of 'C' or better and a minimal 2.5 GPA. 3 q.h.

94-006 Health And Human Services (Change)  
705L *Clinical Internship II.* Thirty hours per week of practical application of skills in an affiliate hospital and private laboratories. Prereq.: Completion of the previous six quarters of MLTEC curriculum with a grade of 'C' or better and a minimal 2.5 GPA. Taken currently with MLTEC 706. 5 q.h.

94-007 Arts And Sciences (Add)  
650 *Introduction to Undergraduate Research.* An introduction to the methods of chemical research under the direction of a faculty member. May include literature searching and analysis, instructional laboratory development, and/or original basic or applied research. May be repeated to a maximum of six q.h. Prereq. or concurrent: Chem. 516 or equivalent and approval of department chair. 1 - 2 q.h.

94-008 Williamson College of Business (Change)  
699 *Internship.* An opportunity to apply classroom theory to on-the-job work experience related to the student's major area of specialization. Participants engage in three activities during the quarter: work at an approved site, complete a related project, and attend bi-weekly seminars. Prerequisite: sophomore in good standing and permission of internship coordinator. One hour of credit may be earned for approximately 6-7 hours of participation per week. Grading will be CR/NC. 1-4 q.h.

94-013 College of Health And Human Services (Change)  
501 *Introduction to Respiratory Care.* The scope of the respiratory care field including the role in health care industry, key personnel and organization and basic therapeutic procedures. Three hours lecture and three hours lab. Prereq.: Acceptance into the Respiratory Care Program. 4 q.h.

94-014 College of Health And Human Services (Change)  
502 *Introduction to Respiratory Care Equipment.* An in-depth study of major equipment classifications and application to clinical respiratory care. Three hours lecture and three hours laboratory. Prereq.: RESPC 501. 4 q.h.

94-015 College of Health And Human Services (Change)  
503 *Respiratory Procedures I.* Appropriate use of selected respiratory procedures. Three hours lecture and three hours lab. Prereq.: RESPC 502. 4 q.h.

94-016 College of Health And Human Services (Add)  
520 *Respiratory Care Assessment I.* Techniques used in evaluating patients with cardiopulmonary disorders. Two hours lecture and two hours lab. Prereq.: RESPC 501. 3 q.h.

94-017 College of Health And Human Services (Add)  
620 *Respiratory Care Assessment II.* Advanced techniques in the assessment of cardiopulmonary disorders. Three hours lecture two hours lab. Prereq.: RESPC 520. 4 q.h.

94-018 College of Health And Human Services (Add)  
621 *Cardiopulmonary Disease.* Review of cardiopulmonary disorders encountered by respiratory care practitioners. Prereq.: RESPC 620 or permission of instructor. 4 q.h.

94-019 College of Health And Human Services (Add)  
699 *Introduction to Respiratory Care Clinics.* Orientation to hospital and department policies, including exposure to and practice with basic respiratory care procedures. Five hours a week in clinics. Prereq.: RESPC 621. 1 q.h.

94-020 College of Health And Human Services (Add)  
700 *Clinical Practice I.* Application of Respiratory Care modalities. Includes basic aerosols, O<sub>2</sub>, BPH, and lung inflation therapy and assessment. Ten hours a week. Prereq: RESPC 699. 2 q.h.

94-021 College of Health And Human Services (Add)  
701 *Respiratory Procedures II.* Airway management techniques, basic EKG recognition, and other critical care procedures. Two hours lecture and three hours lab. Prereq.: RESPC 620. 3 q.h.

94-022 College of Health And Human Services (Add)  
702 *Clinical Practice II.* Application of respiratory care modalities. Includes basic procedures, PFT, and orientation to neonatal and adult critical care. Twenty-five hours a week. Prereq.: RESPC 700. 5 q.h.

94-023 College of Health And Human Services (Add)  
710 *Cardiopulmonary Neurodiagnostics.* Theory and practice in setting up and evaluating advanced EKGs. Also included will be Holter and EEG evaluation. One hour lecture and two hour lab. Prereq.: RESPC 708 or permission of instructor. 2 q.h.

94-024	College of Health And Human Services	(Add)
708	<i>Clinical Specialties for Respiratory Care.</i> Fundamentals of hemodynamic monitoring, management of burn patients, and assessment of neurotrauma. Three hours lecture and three hours lab. Prereq.: RESPC 701.	4 q.h.
94-025	College of Health And Human Sciences	(Add)
709	<i>Neonatal/Pediatric Respiratory Care.</i> Respiratory care applications in neonatal/pediatric settings. Three hours lecture and three hours laboratory. Prereq.: RESPC 701	4 q.h.
94-026	College of Health And Human Services	(Add)
750	<i>Rehabilitation and Preventive Pulmonary Care.</i> Demonstration of the multidisciplinary nature of a pulmonary rehabilitation program. Also included is their role of the respiratory care practitioner in preventive care activities. Prereq.: RESPC 701.	3 q.h.
94-027	College of Health And Human Services	(Add)
830	831. <i>Pulmonary Case Management.</i> Pathology as it relates to care of patients with pulmonary disorders. Prereq.: RESPC 725.	4 q.h.
94-028	College of Health And Human Services	(Change)
730	<i>Cardiopulmonary Stress Testing.</i> A study of the basic physiologic response to exercise and the clinical significance of stress testing. Relationships of test results and disease process are also discussed. Prereq.: RESPC 708 or permission of the instructor.	3 q.h.
94-029	College of Health And Human Services	(Add)
720	<i>Mechanical Ventilation I.</i> Basic theory and application of mechanical ventilation on critical care areas. Two hours lecture and three hours lab. Prereq.: RESPC 708.	3 q.h.
94-030	College of Health And Human Services	(Add)
725	<i>Mechanical Ventilation II.</i> Advance theory and application of mechanical ventilation. Includes home care ventilators. Three hours lecture and three hour lab. Prereq.: RESPC 720.	4 q.h.
94-031	College of Health And Human Sciences	(Change)
731	<i>Respiratory Therapy Management.</i> A study of the basic managerial process, organizational concepts, budgeting, quantitative planning, decision-making, and issues of control as they relate to the manager of the hospital-based respiratory care department. Prereq.: RESPC 725.	3 q.h.
94-032	College of Health And Human Services	(Add)
760	<i>Clinical Practice III.</i> Application of respiratory care modalities. Includes critical care skills, advanced assessment and diagnostics for pediatric and adult patients. Twenty hours a week. Prereq.: RESPC 702.	4 q.h.
94-033	College of Health And Human Services	(Add)
825	<i>Clinical Practice IV.</i> Application of respiratory care modalities. Includes critical care skills and long-term ventilator care in skilled nursing facilities. Twenty hours per week. Prereq.: RESPC 760.	4 q.h.
94-034	College of Health And Human Services	(Add)
826	<i>Clinical Practice V.</i> Application of respiratory care modalities. Includes specialty rotations with cardiopulmonary diagnostics, home care companies and public health agencies. Fifteen hours per week. Prereq.: RESPC 825.	3 q.h.
94-035	College of Health And Human Services	(Add)
827	<i>Respiratory Care Leadership Practicum.</i> Clinical experience with respiratory care professionals primarily involved in managerial or educational settings. Ten hours clinics per week. Prereq.: RESPC 826.	2 q.h.
94-036	College of Health And Human Services	(Add)
830	<i>Pediatric Advanced Life Support.</i> Critical care skills as they apply to objectives of the American Heart Association's PALS program for initial certification or rectification. One hour lecture and two hours lab. Prereq.: AHLTH 812, pediatric critical care experience, or permission of the instructor.	2 q.h.
94-037	College of Health And Human Services	(Add)
825	<i>Neonatal Advance Life Support.</i> Critical care skills as they apply to the objectives of American Heart Association's NALS program for initial certification or rectification. One hour lecture and two hours lab. Prereq.: AHLTH 812, neonatal ICU and/or labor and delivery services experience, or permission of the instructor.	2 q.h.
94-038	College of Health And Human Services	(Delete)
501L	<i>Introduction to Respiratory Care Laboratory.</i> Familiarization with equipment, basic patient-care techniques, and departmental designs; visits to hospitals. Must be taken concurrently with RESPC 501. Three hours of laboratory.	1 q.h.
94-039	College of Health And Human Services	(Delete)
502L	<i>Introduction to Respiratory Care Equipment Laboratory.</i> Practice in the use and maintenance of the equipment discussed in RESPC 502. Must be taken concurrently with RESPC 502. Three hours of Laboratory.	1 q.h.
94-040	College of Health And Human Services	(Delete)
503L	<i>Respiratory Procedures I Laboratory.</i> Integration of theory and patient-care skills in a simulated clinical setting. Three hours of laboratory a week. Must be taken concurrently with RESPC 503.	1 q.h.
94-041	College of Health And Human Services	(Add)
700	<i>Introduction to Physical Therapy.</i> Basic information and concepts related to physical therapy as a professional (history, current organizational structure, future direction); use of support personnel; direct referrals; problem solving; documentation; legal issues; introduction to ethics. Four hours of lecture a week. Prereq.: Admission to Physical Therapy Program.	4 q.h.



- 94-042 College of Health And Human Services (Add)  
701 *Physical Therapy Procedures I.* Introduction to patient care and physical therapy techniques and procedures related measurement and evaluation (vital signs, muscle strength, range of motion, cardiopulmonary function); basic body mechanics and message. Two hours of lecture a week. Prereq.: PHYTH 700. 2 q.h.
- 94-043 College of Health And Human Services (Add)  
701L *Physical Therapy Procedures I Lab.* Practicing techniques of measuring and evaluating vital signs, muscle strength, range of motion, and cardiopulmonary function., application of message techniques. Three hours of laboratory a week. Prereq.: PHYTH 700. 1 q.h.
- 94-044 College of Health And Human Services (Add)  
702 *Physical Therapy Procedures II.* Introduction to patient care and physical therapy related to basic gait training, transfers, wheelchair mobility, restoration of range of motion and strength: evaluation of musculoskeletal function (joint mobility, dysfunction). Three hours of lecture a week. Prereq.: PHYTH 701. 3 q.h.
- 94-045 College of Health And Human Services (Add)  
702L *Physical Therapy Procedures II Lab.* Practice in techniques of joint mobility, use of wheelchairs and ambulation aids, range of motion, strength. Six hours of laboratory a week. Prereq.: PHYTH 701L. 2 q.h.
- 94-046 College of Health And Human Services (Add)  
703 *Pathology.* Study of disease mechanics and response to disease and trauma in humans; concepts and principles in wound repair, degenerative disease, tumors, metabolic and circulatory disorders. Three hours of lecture a week. Prereq.: PHYTH 700. 3 q.h.
- 94-047 College of Health And Human Services (Add)  
710 *Physical Agents I.* Principles and concepts of the use of heat, light, water, and sound to treat various or conditions; application of principles gained in physics; physiological effects, indications and contradictions of the agents listed. Four hours of lecture a week. Prereq.: PHYTH 702. 4 q.h.
- 94-048 College of Health And Human Services (Add)  
710L *Physical Agents I Lab.* Practice in the use and application of physical therapy equipment (ultrasound, deep heat, superficial heat, hydrotherapy, traction). Three hours of laboratory work a week. Prereq.: PHYTH 702L. 1 q.h.
- 94-049 College of Health And Human Services (Add)  
711 *Physical Agents II.* Principles and concepts of the use of electricity to treat various disorders or conditions, application of principles gained in physics; physiological effects, indications and contraindications. Four hours of lecture a week. Prereq.: PHYTH 710. 4 q.h.
- 94-050 College of Health And Human Services (Add)  
711L *Physical Agents II Lab.* Practice in the use and application of physical therapy equipment (EMG, low volt/high volt, biofeedback, NVC, TENS, MENS, US/ES combined). Three hours of laboratory a week. Prereq.: PHYTH 710L. 1 q.h.
- 94-051 College of Health And Human Services (Add)  
704 *The Musculoskeletal System.* Lectures and case presentations related to disorders or conditions affecting the musculoskeletal system (fractures, soft tissue injuries, growth disorders, metabolic disorders, integumentary system disorders); presentation of the medical, surgical and physical therapy interventions. Three hours of lecture a week. Prereq.: PHYTH 703. 3 q.h.
- 94-052 College of Health And Human Services (Add)  
720 *Clinical Education I.* preparation for the initial supervised, directed clinical education experience in the hospital, clinic, independent practice, or other site; expectations of the student, documentation and communication skills, basic record keeping, professional behavior. Three hours of lecture a week. Prereq.: PHYTH 710. 3 q.h.
- 94-053 College of Health And Human Services (Add)  
721 *Clinical Education II.* Patient care supervised by a licensed physical therapist at an approved clinical site; application of techniques and procedures presented in class. Forty clinical hours a week. Prereq.: PHYTH 720. 8 q.h.
- 94-054 College of Health And Human Services (Add)  
805 *The Neuromuscular System.* Lectures and class presentation related to disorders or conditions affecting the neuromuscular system (central and peripheral nerve injuries, brain trauma, chronic and progressive neuromuscular diseases); presentation of the medical, surgical, and physical therapy interventions. Three hours of lectures a week. Prereq.: PHYTH 704. 3 q.h.
- 94-055 College of Health And Human Services (Add)  
822 *Clinical Education III.* Preparation for the terminal clinical education experience (clinical decision making, problem solving, licensure requirements, ethical dilemmas, other clinical issues). Two hours of lecture a week. Prereq.: PHYTH 721. 2 q.h.
- 94-056 College of Health And Human Services (Add)  
823 *Clinical Education IV.* Application of theory, and procedures gained from classes; supervised and directed clinical education experience designed to expose the student to various patient conditions, treatment, applications, problem solving, clinical decision making and administrative procedures. Twenty clinical hours a week. Prereq.: PHYTH 822. 4 q.h.
- 94-057 College of Health And Human Services (Add)  
824 *Clinical Education V.* The terminal supervised and directed clinical education experience designed to provide the student with complex clinical problem solving/decision making experiences related to ongoing patient care. Forty clinical hours a week. Prereq.: PHYTH 823. 8 q.h.

94-058 College of Health And Human Sciences (Add)  
830 *Therapeutic Exercise I.* Presentation of principles and concepts related to the physical therapy management of musculoskeletal disorders or conditions based on normal function. Two hours of lecture a week. Prereq.: PHYTH 711. 2 q.h.

94-059 College of Health And Human Services (Add)  
830L *Therapeutic Exercise I Lab.* Practice in techniques and procedures designed to prevent, relieve, or minimize the effects of disease, developmental abnormalities, trauma or dysfunction of the musculoskeletal system (endurance training, strengthening, stretching, joint mobilization, relaxation, posture correction). Three hours of laboratory a week. Prereq.: PHYTH 711L. 1 q.h.

94-060 College of Health And Human Services (Add)  
831 *Therapeutic Exercise II.* Presentation of principles and concepts related to the physical therapy management of neuromuscular disorders or conditions based on normal function. Two hours of lecture a week. Prereq.: PHYTH 830. 2 q.h.

94-061 College of Health And Human Services (Add)  
831L *Therapeutic Exercise II Lab.* Practice in techniques and procedures to prevent, relieve or minimize the effects of disease, developmental abnormalities or trauma or dysfunction to the neuromuscular system (cardiopulmonary function, rehabilitation of the brain damaged and the traumatized spinal cord repaired). Three hours of laboratory a week. Prereq.: PHYTH 830L. 1 q.h.

94-062 College of Engineering And Technology (Add)  
717 *Sensor Fundamentals.* Basic principles of sensor such as electro-chemical, -mechanical, -optical, and -thermal transducers. Signal conditioning and smart sensors. Application in process control and environmental systems. Prereq.: Math 705, and either Physics 611 or ELEGR 714. 4 q.h.

94-063 College of Engineering And Technology (Add)  
817 *Sensor Design And Application.* Design and application for measurement and control; includes electro-chemical, -mechanical, -optical, and -thermal transducers. Signal conditioning and smart sensors. Prereq.: ELEGR 704 and ELEGR 707. 4 q.h.

94-064 College of Engineering And Technology (Delete)  
626 *Job Analysis And Evaluation.* The fundamentals and techniques of job analysis, job description, job specification, and wage determination. Management wage and salary systems, merit increases, objective performance appraisal. Establishing and using charts and graphs in system administration. Mechanics of establishing complete systems. Prereq.: INEGR 625. 4 q.h.

94-065 College of Engineering And Technology (Change)  
724 *Engineering Economy.* The analysis and evaluation of factors that affect the economic success of engineering projects. Topics include interest, depreciation, cost classification, comparison of alternatives, make-buy decisions, replacement models, and after tax analysis. Prereq.: Math 673, ISEGR 642. 4 q.h.

94-066 Williamson College of Business Administration (Delete)  
511 *Administrative Procedures For Medical Assistants.* Fundamentals in patient reception, appointment scheduling, mail handling, records creation and filing, office systems and management practice. Four hours lecture, six hours practicum per week in an assigned office. Prereq.: BIS 523 and BIS 505 or ENGL 550. 4 q.h.

94-067 Williamson College of Business Administration (Delete)  
712 *Records Management For Medical Assistants.* Includes electronic filing, micrographics, information management and interactive processing. For medical assisting majors only. Prereq.: BIS 513 or permission of instructor. 3 q.h.

94-068 Williamson College of Business Administrative (Change)  
814 *Federal Taxation of Business.* Study of current federal income tax law applying to proprietorships, corporations, S corporations, and partnerships. Course work includes fundamentals of researching tax law and preparing business tax returns. Prereq.: "C" or better in ACCTG 813. 4 q.h.

94-069 College of Arts and Sciences (Change)  
762 *Eastern Europe And Foreign Affairs.* Study of foreign policies of Russia and other European states, emphasizing issues of regional security and political economy. Prereq.: POLIT 660. 4 q.h.

94-070 College of Arts and Sciences (Change)  
741 *Russian Politics.* Study of politics in the Russian Federal Republic, emphasizing the crisis of the Communist-era rule and development of post-Communist reform politics. Prereq.: POLIT 640 or permission of the instructor. 4 q.h.

94-071 College of Arts and Sciences (Change)  
825 *Selected Topics in Journalism.* Study of approaches to special aspects of journalism not covered in depth in other journalism courses. may be repeated once with change in topic. Prereq.: JOURN 622 or any 600-level English literature course. Also listed as ENGL 825. 4 q.h.

94-072 College of Arts and Sciences (Change)  
655 *Introduction to Film Study.* Principles of film study and interpretation of films through written analysis. Prereq.: ENGL 551. 4 q.h.

94-073 College of Arts and Sciences (Delete)  
506 *Principles of Biology I.* A laboratory course for students who need biology for entrance into various professional schools; including chemical and physical foundations of biology, structure and function of cells, cellular organelles and structure and function of plants. High school chemistry of equivalent recommended. Three hours lecture and two hours laboratory a week. 4 q.h.

94-074 College of Arts and Sciences (Delete)  
507 *Principles of Biology II.* A laboratory course of study including the structure and function of animals. Required of all biology majors. Three hours lecture and two hours laboratory a week. 4 q.h.

- 94-075 College of Arts and Sciences (Delete)  
508 *Principles of Biology III.* A laboratory course of study including genetics, evolution, taxonomy and the diversity of organisms. Required of all biology majors. Three hours lecture and two hours laboratory a week. 4 q.h.
- 94-076 College of Arts and Sciences (Add)  
612 *Principles of Biology IV.* A lecture and laboratory course which examines ecological concepts and compares the structure and function of plants. Three hours lecture and two hours laboratory a week. Either 611 or 612 is required of all Biology majors. Prereq.: Biology 509 and 510 or permission of instructor. 4 q.h.
- 94-077 College of Arts and Sciences (Add)  
611 *Principles of Biology III.* A lecture and laboratory course comparing the structure and function of animals. Three hours lecture and two hours laboratory a week. Either 611 or 612 is required of all Biology majors. Prereq.: Biology 509 and 510 or permission of instructor. 4 q.h.
- 94-078 College of Arts and Sciences (Add)  
510 *Principles of Biology II.* A lecture course with laboratory for students majoring in Biology or related disciplines. Topics will include principles of evaluation, diversity, phylogeny, and systematic. Required of all Biology majors. Three hours lecture and two hours laboratory a week. Prereq.: Biology 509. 4 q.h.
- 94-079 College of Arts and Sciences (Add)  
509 *Principles of Biology I.* A lecture course with laboratory for students majoring in Biology or related disciplines. Topics will include chemical and physical foundations of life, structure and function of cells, cellular organelles, metabolism, cell division, inheritance and basic molecular biology. High school chemistry or equivalent recommended. Required of all Biology majors. Three hours lecture and two hours laboratory a week. 4 q.h.
- 94-091 College of Fine And Performing Arts (Change)  
515 *Survey of Non-Western Art 1.* A survey of the arts of Africa, Oceania, and Pre-Columbian Americas. 4 q.h.
- 94-092 College of Fine and Performing Arts (Add)  
516 *Survey of Non-Western Art 2.* Survey of the art of the Far East including India, China, Korea, Japan, and Southeast Asia. 4 q.h.
- 94-093 College of Fine and Performing Arts (Add)  
831 *Early Christian and Byzantine Art.* Christian art from its origins to about 500 AD in the Latin West and to 1453 in the Greek East. Includes architecture, painting, sculpture, and the luxury arts. Stresses change in art as part of social and religious developments. Prereq.: Art 522 and Art 630 and Junior standing or consent of the instructor. 4 q.h.
- 94-093.1 College of Fine and Performing Arts (Delete)  
751 *Early Christian and Byzantine Art.* Christian art from its origins to about 500 AD in the Latin West and to 1453 in the Greek East. Includes architecture, painting, sculpture, and the luxury arts. Stresses change in art as part of social and religious developments. Prereq.: Art 522 or consent of the instructor. 4 q.h.
- 94-094 College of Fine and Performing Arts (Add)  
832 *Early Medieval Art.* Irish, English, and continental European art of the Migration period (Franks, Visigoths, etc.), Hiberno-Saxon, Carolingian, Anglo-Saxon, Viking, Ottoman cultures (about 500 to 1100 AD). Includes jewelry, painting, sculpture, and architecture. Interaction between Celtic, Germanic, and Mediterranean cultures. Prereq.: Art 522 and Art 630 and Junior standing or permission of the instructor. 4 q.h.
- 94-094.1 College of Fine and Performing Arts (Delete)  
752 *Early Medieval Art.* Irish, English, and continental European art of the Migration period (Franks, Visigoths, etc.), Hiberno-Saxon, Carolingian, Anglo-Saxon, Viking, Ottoman cultures (about 500 to 1100 AD). Includes jewelry, painting, sculpture, and architecture. Interaction between Celtic, Germanic, and Mediterranean cultures. Prereq.: Art 522 or consent of the instructor. 4 q.h.
- 94-095 College of Fine and Performing Arts (Add)  
833 *Late Medieval Art.* Romanesque and Gothic architecture, painting, sculpture, and luxury arts (about 1100 to 1500 AD). Examines the great cathedrals and other arts as aspects of pilgrimage and feudalism, reflecting new developments in Christianity. Prereq.: Art 522 and Art 630 and Junior standing or consent of the instructor. 4 q.h.
- 94-095.1 College of Fine and Performing Arts (Delete)  
753 *Late Medieval Art.* Romanesque and Gothic architecture, painting, sculpture, and luxury arts (about 1100 to 1500 AD). Examines the great cathedrals and other arts as aspects of pilgrimage and feudalism, reflecting new developments in Christianity. Prereq.: Art 522 or consent of the instructor. 4 q.h.
- 94-095.2 College of Fine and Performing Arts (Delete)  
740 *Northern Renaissance.* Origin of northern Renaissance styles of painting, architecture, and the minor arts in Flanders and Northern Europe, 1300 to 1500. Prereq.: Art 523 or consent of the instructor. 4 q.h.
- 94-096 College of Fine And Performing Arts (Change)  
701 *Life Drawing.* Students will develop sound composition based upon accuracy of observation of the human figure. Understanding of proportion and the detailed study of skeletal and muscular systems will be addressed. One hour of lecture and five hours of lab per week. Prereq.: Art 601. 4 q.h.
- 94-097 College of Fine and Performing Arts (Change)  
550 *Computer Graphics for the Artist I.* To provide a fundamental understanding of microcomputer hardware and software in a two-dimensional design context. Students will be expected to operate a computer and its peripheral devices to generate visual images. Two hours lecture, four hours lab. Prereq.: Art 503. 4 q.h.

- 94-098 College of Fine and Performing Arts (Add)  
618 *Graphic Design Fundamentals*. A lecture and studio overview of graphic design in communication, the history of graphic design and the utilization of visual communication in a variety of areas such as publications, corporate identity, computer graphics, and advertising. **Not applicable for graphic design or advertising art major**. Two hours lecture and Four hours lab. Prereq.: Art 501, 502, and 503. 4 q.h.
- 94-099 College of Fine and Performing Arts (Change)  
650 *Computer Graphics for the Artist II*. An advanced application of the computer to visual composition with the addition of type forms to images. Students will solve various visual problems on both IBM and Macintosh platforms. Two hour lecture and Four hours lab. Prereq.: Art 550. 4 q.h.
- 94-100 College of Fine and Performing Arts (Add)  
655 *Graphic Design 1*. The basic concepts of design theory including layout and organization of space, the elements of visual communication (typography, images), the use of graphic tools excluding the computer, and the process of presentation from thumbnails through comprehensives must achieve a "B" grade or better to progress in core. Two hours lecture and Four hours lab. Prereq.: Art 501, 502, and 503. 4 q.h.
- 94-101 College of Fine and Performing Arts (Add)  
656 *Typography 1*. The basic concepts of letter forms including classification, anatomy, legibility, readability, and specification. Study incorporates use of headlines, sub headlines, text, and visual dynamics. Must achieve a "B" grade or better to progress in core. Two hours lecture and four hours lab. Prereq.: Art 550 or equivalent, Art 655. 4 q.h.
- 94-102 College of Fine and Performing Arts (Add)  
657 *Desktop Publishing for the Designer*. Introduction to the computer as a design tool with emphasis on image capturing and manipulation, type usage, and page layout. The design focus will be one the interaction between type and images. Two hours lecture and four hours lab. Prereq.: Art 550, 656. 4 q.h.
- 94-103 College of Fine and Performing Arts (Change)  
728 *Illustration*. Visual expression through various media, both electronic and traditional. Emphasis is on the problem-solving through the exploration of technique, creative process and the development of personal style. Two hours lecture and Four hours lab. Prereq.: Art 602, 657. 4 q.h.
- 94-104 College of Fine and Performing Arts (Add)  
755 *Graphic Design 2*. Type and image. A contribution of the design principles of Art 655, Graphic Design I with emphasis on the integration of type with photography and illustration in visual communication. Includes study of informational systems. Must achieve a "B" grade or better in class to proceed in core. Two hours lecture and four hours lab. Prereq.: Art 657, 728, 780. 4 q.h.
- 94-105 College of Fine and Performing Arts (Add)  
756 *Typography 2*. Expressive typography. The creative use of type in visual communications. Emphasis on interpretive, symbolic, and metaphorical solutions to typographic problems. "B" or better grade required in progress of core. Two hours lecture and four hours lab. Prereq.: Art 755. 4 q.h.
- 94-106 College of Fine and Performing Arts (Add)  
757 *Identity Systems*. Concentrated development of logos and their applications within identity systems. Emphasis on clear, creative integration of type and symbols within a range of uses. Two hours lecture and four hours lab. Prereq.: Art 756. 4 q.h.
- 94-107 College of Fine and Performing Arts (Add)  
758 *Informational Graphics*. The visual interpretation of data through typography and illustration includes charts, graphs, maps, and data presentation. Two hours lecture and four hours lab. Prereq.: Art 657, 728, and English 743. 4 q.h.
- 94-108 College of Fine and Performing Arts (Add)  
830 *Pre-Press Production*. traditional and electronic production for printed materials, emphasizing pre-press software. Printing and paper specifications, as well as current printing technology will be addressed. One hour lecture and five hours lab. Prereq.: Art 657, 756. 4 q.h.
- 94-109 College of Fine and Performing Arts (Add)  
841 *Three-Dimensional Graphics*. The application of graphic design concepts to three-dimensional problems in packaging, environmental graphics, signage and exhibition design. Two hours lecture and four hours lab. Prereq.: Art 504, 757. 4 q.h.
- 94-110 College of Fine and Performing Arts (Add)  
845 *Business Skill for the Artist*. Focus is on preparation for the business world, galleries and museums as well as on obtaining free lance work. Content covers legal issues, taxes, and copyrights as well as portfolios preparation, and professional practices. Prereq.: permission of the instructor. 4 q.h.
- 94-111 College of Fine and Performing Arts (Add)  
846 *Senior Portfolio/Graphics Seminar*. Portfolio development including self-promotion materials. Preparation for Senior Show. Course also includes seminars on current issues in graphic design. Prereq.: Art 842. 4 q.h.
- 94-112 College of Fine and Performing Arts (Delete)  
623 *Graphic Design 1*. Introduction to art in advertising such as trademarks, symbols, letterheads, logotypes, posters, billboards, magazine ads, packaging, illustration, and television commercials. Creative thinking emphasized along with techniques and media necessary for producing ideas visually. One hour of lecture and Five hours of lab per week. The student is advised to take Art 611. Prereq.: Art 503. 3 q.h.
- 94-113 College of Fine and Performing Arts (Delete)  
624 *Graphic Design 2*. Techniques and tools used in the production of layouts in design and illustration. Emphasis on type, perspective use of grid for reductions, enlargements, distortions, and exact renderings. Limitations are placed on color, expenses and deadlines. One hour of lecture; five hours of lab. Students are advised to take Art 611. Prereq.: Art 623. 3 q.h.

- 94-114 College of Fine and Performing Arts (Delete)  
625 *Graphic Design 3.* Problem-solving experiences and practice and its uses. Designing types and using established type styles to create purely typographic layouts. One hour of lecture; five hours lab. Students are advised to take Art 780. Prereq.: Art 624. 3 q.h.
- 94-115 College of Fine and Performing Arts (Delete)  
626 *Airbrush.* Lecture and lab in airbrush operation and techniques. Technical and visual knowledge relating airbrush and its applications to expressive art forms, painting and illustration. One hour lecture; five hours lab. Prereq.: Art 624 or 606. 3 q.h.
- 94-116 College of Fine and Performing Arts (Delete)  
746 *Desktop Publisher for the Designer.* Graphic design based on desktop publishing software and hardware. Emphasis on page layout, type designed and scanned images. Prereq.: Art 550 or Art 727 or permission of instructor. Six hours lab per week. 4 q.h.
- 94-117 College of Fine and Performing Arts. (Delete)  
716,717 *Interior Design 1,2.* Study of furnishings, new designs, and textiles. Applications of these and experiences from Art 503 to rooms and other interior. Six hours of lab per week. Prereq.: Art 503, Art 716 is a prerequisite to Art 717. 3+3 q.h.
- 94-118 College of Fine and Performing Arts (Delete)  
718 *Advanced Interior Design.* A studio approach to the exploration of commercial and residential design from the vantage point of the professional designer, including problem solving in the commercial marketplace and methods and materials used in the field. Includes field trips to designer showrooms. Prereq.: Art 717. 3 q.h.
- 94-119 College of Fine and Performing Arts (Delete)  
727 *Graphics Design 4.* Creative approach to two-dimensional design, visually expressing advertisements for promotional brochures, self-mailers, logotypes, symbology, and trademarks. Special problems using die-cuts, folding, and binding will be covered. Proper labeling in the use crop marks, register marks and color overlays will be emphasized. One hour of lecture, five hours lab. Students are advised to take Art 721 and 781. Prereq.: Art 625. 3 q.h.
- 94-120 College of Fine and Performing Arts (Delete)  
729 *Graphic Design 6.* Three-dimensional graphic design and its application to packaging, point of purchase displays, environmental graphics, signage systems and exhibition design. Work will be executed in two or three dimensional formats. One hour of lecture, 5 hours of lab. Prereq.: Art 625. 3 q.h.
- 94-121 College of Fine and Performing Arts (Delete)  
775 *Calligraphy.* An in-depth study of the use of the pen to create various letter forms. Traditional lettering techniques are explored, as well as innovative and contemporary applications of hand-lettered typography. Six hours lab per week. Prereq.: Art 625. 3 q.h.
- 94-122 College of Fine and Performing Arts (Delete)  
776 *Pastel Illustration.* Traditional and contemporary application of pastels to the art of illustration. Emphasis is placed on the development of personal application of this media. Six hours labs per week. Prereq.: Art 601 or 602. 3 q.h.
- 94-123 College of Fine and Performing Arts (Change)  
761 *Art Strategies for Preschool and Kindergarten Teachers.* Art strategies for Preschool and Kindergarten teachers. Designed for the prekindergarten associate and the Kindergarten validation. program with an emphasis on establishing attitudes and philosophies through classroom experiences. Two hours of lecture and four hours of laboratory per week. Prereq.: Art 662 or permission of the instructor. 4 q.h.
- 94-124 College of Fine and Performing Arts (Change)  
801 *Seminar.* Discussions of problems for the prospective teacher which involves plant facilities, tools, and supplies. Planning individual exhibits on site and campus. Assembly of comprehensive portfolio review. Required of all art education students and must be taken currently with 843 student teaching. Two hours of lab. 1 q.h.
- 94-125 College of Fine and Performing Arts (Change)  
731 *Sculpture 2.* Problems dealing with form in space. Exploration and application of various contemporary materials, techniques, and ideas. Eight hours of lab per week. Prereq.: Art 730. 4 q.h.
- 94-125.1 College of Fine and Performing Arts (Add)  
813 *Northern Renaissance Art.* Painting, sculpture, and graphic arts of Germany, France, and the Netherlands. Examines the work of Jan van Eyck, Hieronymus Bosch, Albrecht Durer and others. Prereq.: Art 706; or Art 523 and Junior standing; or consent of the instructor. 4 q.h.
- 94-126 College of Fine and Performing Arts (Change)  
722 *Photo Silk Screen.* Experiments in various photo silk screen methods of printmaking. Two hours of lecture and six hours of lab per week. Prereq.: Art 612. 4 q.h.
- 94-127 College of Fine and Performing Art (Change)  
870 *Advanced Printmaking.* Advance methods in selected printmaking discipline. May be repeated for a maximum of eight hours of credit. Eight hours of lab per week. Prereq.: Art 734 or 735 or 821 or 824. 4 q.h.
- 94-128 College of Fine and Performing Arts (Change)  
503 *Design 2.* An exploration of fundamental color relationships as a basis for visual organization. Two hours of lecture and four hours of lab per week. Prereq.: Art 502. 4 q.h.
- 94-129 College of Fine and Performing Art (Change)  
501 *Drawing 1.* A foundation course concerned with developing prescriptive and motor skills in fundamental mediums. Problems restricted to the two dimensional format that stress the visual organization of line, shape, and value. One hour of lecture and five hours of lab per week. 4 q.h.

- 94-130 College of Fine and Performing Arts (Change)  
601 *Drawing 2.* A continuation of Drawing 1 with more emphasis on spatial organization. Wider attention to the process and techniques as well as pictorial content. One hour of lecture and five hours of lab per week. Prereq.: Art 501 and 502. 4 q.h.
- 94-131 College of Fine and Performing Arts (Change)  
602 *Drawing 3.* Course work intended to provide a wider and more unusual format in the drawing process. Students will be introduced to concepts and philosophical ideas. Use of color dynamics and different experimental materials as well as increased scale and gesture action. One hour of lecture and five hours of lab per week. Prereq.: Art 601. 4 q.h.
- 94-132 College of Fine and Performing Arts (Change)  
705 *Drawing 4.* A continuation of drawing 3 with more complexity in pictorial relationships. Further expansions of conceptual solutions and more personal imagery. Attention to more in-depth exploration of the drawing process. One hour of lecture and five hours of lab per week. Prereq.: Art 602. 4 q.h.
- 94-133 College of Fine And Performing Arts. (Add)  
856 *Communication Training and Development.* Designed to teach students various methodologies available to assess communications in organizations. Based on results of assessments, students will design appropriate communication training programs. Prereq.: SPCH 798, SPCH 756, SPCH 757. 4 q.h.
- 94-137 College of Fine and Performing Arts (Change)  
858 *Practicum in Speech Communication Research.* Experience in designing, validating and/or using methods and instruments of quantitative and qualitative research appropriate to the study of human communication. Prereq.: SPCH 798; or equivalent research course and permission of the instructor. 1-4 q.h.
- 94-138 College of Fine and Performing Arts (Change)  
670 *Oral Interpretation.* The development of skills necessary for oral interpretation of various types of literature- prose, poetry, and drama. Though trough analysis of each literary work and communication of the work to an audience. Prereq.: Sophomore standing. 4 q.h.
- 94-139 College of Fine and Performing Arts (Add)  
720 *Current Issues in Telecommunication.* An examination of contemporary issues in telecommunications. The course will focus on social, economic, and technological questions. Prereq.: Speech 682 and 683 with a grade of C or better. 4 q.h.
- 94-140 College of Fine and Performing Arts (Add)  
725 *Implementing Telecommunication Systems.* The course examines implementation from planning to evaluation of telecommunication systems in business and social systems. Specific planing and evaluation techniques are emphasized. Prereq.: Speech 682 and 683 with a grade of C or better. 4 q.h.
- 94-141 College of Fine and Performing Arts (Add)  
883 *Telecommunication Industries and Public Policy.* A study of the relationship between the telecommunication industry and public policy. The course will focus on industrial organization and examine public policy. The course will focus on industrial organization and examine how public policy is formulated. Prereq.: SPCH 783. 4 q.h.
- 94-142 College of Fine and Performing Arts (Delete)  
583 *Audio History of Broadcast Programming.* A historical examination of the development of radio as an entertainment and art form from its earliest stages as a curiosity to the present day. Selections from 250 recorded broadcasts highlight programming trends. Satisfies the University's area requirement in Humanities. 4 q.h.
- 94-143 College of Fine and Performing Arts (Delete)  
681 *Communication Strategies for Electronic Media.* Designed for those who might like to use electronic media. This course explores ways of gaining access to newscast and other forms of programming. Practice in basic productions, media interviews, and related skills. Not for Telecommunication Studies Majors. 4 q.h.
- 94-144 College of Fine and Performing Arts (Add)  
665 *Theater Graphics.* Introduce students to the theory and practice of translating ideas and concepts into standard graphic convictions. Practical experience with basic drafting tools and materials; exercises in scale, propotion, and perspective, introduction to computer-assigned drafting for theater. Recommended for students planning to take Scene Design or Stage Lighting. Prereq.: Speech 561 or 661 or permission of the instructor. 4 q.h.
- 94-148 College of Fine and Performing Arts (Change)  
*(Courses for Applied Music).* All changes and reductions in credit hours received for applied music private lessons. Course descriptions remain unchanged except for the credit hours indicated. Pages 236-243 of the Bulletin are attached with all changes of credit hours noted.
- 94-150 College of Arts and Sciences (Add)  
610 *Map Use and Interpretation.* A survey of how maps are used to depict physical and cultural landscapes. Topics include map elements and how to read different map types. 4 q.h.
- 94-153 College of Arts and Sciences (Change)  
604 *Food Microbiology.* Role of microbes in food preservation, fermentation, spoilage, sanitation, and food poisoning. Two hours lecture, four hours laboratory a week. For Human Ecology majors only. Prereq.: One four hour laboratory science course. 4 q.h.

- 94-155 College of Arts and Sciences (Add)  
 860 *Seminar - Special Topics in Social Work.* Study of selected topics in social work theory, methods and research. May be taken for credit three times with different topics. Prereq.: Junior standing or permission of the instructor. 4 q.h.
- 94-157 College of Fine and Performing Arts (Change)  
*(All Ensembles)* Course descriptions remain unchanged. An added section is being requested for each to enable student to register for 0 credit hours. The complete listing and requested changes are on page 2. 0 q.h.

THE FOLLOWING THREE COURSE PROPOSALS (ALL DELETIONS) WERE APPROVED DURING THE 1990-91 YEAR BUT WITHHELD FROM FINAL SENATE APPROVAL BY THE DEPARTMENT. THEY ARE BEING SUBMITTED AT THIS TIME.

- 91-046 College of Arts and Sciences (Delete)  
 500 *Introduction to World History.* A study of unifying historical themes and personalities through the ages. Not applicable to the History Major. 4 q.h.
- 91-047 College of Arts and Sciences (Delete)  
 655 *History of Western Civilization 1.* The development of western culture from its earliest appearance in the Near East until 1715. 4 q.h.
- 91-047 College of Arts and Sciences (Delete)  
 656 *History of Western Civilization 2.* The development of western culture from 1715 to the present. HIST 655 is not a prerequisite. 4 q.h.

COVER SHEET TO BE ATTACHED TO ALL REPORTS SUBMITTED TO THE ACADEMIC SENATE

Date March 22, 1994 Report Number (For Senate Use Only) 934-18

Name of Committee Submitting Report Integrated Technologies Committee

Committee Status: (elected chartered, appointed chartered, ad hoc, etc.)  
appointed chartered

Names of Committee Members: Richard Goldthwait, Walter Mathews, Howard Pullman, Dean Cicarelli, Floyd Jackson, Robert Hogue, Patricia McCarthy, David Robinson, David Genaway, Sheri Zander, Ram Kasuganti, Philip Munro, Dean Sutton, Thomas Doctor, Joan Sommett, Jeff Hoxworth, and Steve Duchene

Please write a brief summary of the report which the Committee is submitting to the Senate (attach complete report): \_\_\_\_\_

Integrated Technologies Committee recommendation concerning the  
'electronic campus'

Do you anticipate making a formal motion relative to the report? Yes  
If so, state the motion: \_\_\_\_\_

Motion to approve the recommendations of the report.

If there are substantive changes made from the floor in your committee recommendation, would the committee prefer that the matter be sent back to committee for further consideration? Yes

Other relevant data: \_\_\_\_\_

R. G. C.  
Chairman (please initial)

Senate 89-90/covlet.sen



## Report from the Integrated Technologies Committee

for the

April 1994 meeting of the Academic Senate

### 1. Introduction

This report contains specific recommendations of the Integrated Technologies Committee (ITC) in regard to computing, communications and multimedia technologies. Please refer to the attached "Statement of Interpretation of Committee Charge" for the general goals and function of the ITC.

### 2. Background

Several noteworthy technology-related developments have occurred at YSU in the past year. The 1.06 million dollars, received last year from the state for computing and instructional technologies, was appropriated at the end of 1993. A portion of this money is being used to purchase 213 486 personal computers, 64 of which will go to computer labs in Meshel Hall. The majority of the remaining 486 machines will go to faculty. Additionally, 22 Macintosh computers, mainly "Quadra" computers, are being funded from the 1.06 million dollars. Seventy-eight thousand dollars has been reserved for equipment to support Computer and Information Science programs and 22,500 dollars has been allocated to Geography to assist in purchasing equipment for computer based instruction. These actions are consistent with recommendations in the 1993 ITC Senate report.

In early December, the ACM Peer Review Team visited YSU to review the status of computing and network services at YSU. Their written report "A Peer Review of Youngstown State University Computing and Network Resources" and the "companion" report, put together by the Computer Center "Observations, Comments, and Recommendations by the Computer Center" have significantly influenced the policy recommendations of this year's ITC report.

Recently (see minutes of the March 2 Senate meeting) President Cochran announced to the Senate that the administration's goals for an electronic campus include the goal of a fiber optic network. The state has committed 1.8 million dollars in this biennium toward the first phase of a fiber optic network which would provide appropriate linkages between the main academic/administrative buildings on campus. It is expected that in the next biennium the state will appropriate approximately 1.4 million dollars to assist in connecting classrooms and offices to each other with fiber optic cable. (Installing a fiber optic network was a recommendation in the 1993 ITC report to the Senate.)

Administrative plans also call for the decentralization of the general purpose computing labs which are currently in Meshel Hall and open to the student body. At least one general purpose computing laboratory, with appropriate hours of operation and operating staff, is to be located in each college. A two-tier fee structure for computer-based courses is being considered to help maintain the labs and the network.

The administration has made it clear that input from the ITC is welcomed with regard to development of a comprehensive computing, communications, and multimedia technology plan. In his March 2 address to the Senate, the president commented that "[First], it will be the responsibility of the Integrated Technologies Committee to determine what we want in computer availability and what we need in terms of support of computing." Since making this statement, the President has reaffirmed his wish that the ITC function in an advisory role to the administration. In practice this will mean that one or more administrative representatives will participate in future ITC meetings.

While the ITC enthusiastically welcomes the opportunity for more direct input into the administrative planning process, it recognizes that it will have an increased obligation to keep the Senate membership informed as to new developments and to promote policies that have clear Senate approval. To achieve this, the ITC may find it necessary to submit shorter policy recommendations for Senate approval more frequently throughout the academic year.

### 3. Network development and implementation.

In this report and in last year's report, the ITC stressed the importance of campus-wide use and support of technology. Other committees have made similar recommendations in the past. Central to the realization of this goal is the establishment of a well-defined and adequately supported Network Services unit on campus. (See Peer Review Report Recommendations #10 and 15.) Tasks in network development include (but are not limited to) installation of fiber optic cable, formation of local area networks (LANS), connection of PC's to the network, installation of software for operating the network, and upgrading the current off campus cable (OARNET) to a higher speed T1 line. The Network Services unit would then provide on going maintenance and administration of the electronics and software. The ITC also recommends that student computer access cards be implemented and that software node identification be administered so that site licensing for software can be made less expensive.

Without clear lines of direction for the planning and coordination of network services, the much needed campus wide network will be even more difficult to create.

4. Computer Center staffing.

Recommendations for enhancing network services and other aspects of technology will require consideration of increased staffing in the Computer Center. (Ref. PRP, Problem #1.) The ITC recommends that the administration review staffing levels in the Computer Center to determine how many additional positions are needed and in what areas they are needed for academic support. Creation and filling of these positions should be given a high priority, with the goal of filling at least some positions by September 1994.

5. Upgrading of PC labs.

The ITC notes and commends recent decisions to upgrade several PC labs. Continued upgrades will be needed in order to bring YSU's microcomputer labs into a competitive position relative to other universities. (The condition of YSU's PC labs was also discussed in the Peer Review Report; see Problem #23.) The ITC supports proposals to provide general purpose computing laboratories, open to the student body, in each of the main academic buildings on campus. The essential requirements of such labs need to be reviewed and minimum standards set.

6. Encourage e-mail and electronic information transfer by administrators & faculty.

One of the important advantages of a campus-wide network is the ability for electronic mail. The ITC believes that an effort to make training and assistance available should be coincident with the planning and installation of the campus wide network. Once the network is installed, university administrators should take the lead in the daily use of e-mail and electronic information transfer. Faculty and staff should be strongly encouraged to use e-mail and a community news network.

7. Advisory committees and ITC role.

One of the recommendations of the Peer Review Report is the establishment of two advisory committees: a Computing and Communications Technology Committee and an Advisory Computing Committee for Administrative Systems. While the ITC supports the principle of these committees, it feels that the ITC already contains the necessary experience and coverage to fulfill the role of the CCTC. Accordingly, the ITC recommends that the function of the proposed CCTC be assigned to the existing ITC of the Senate, while consideration should still be given to the formation of the other advisory committee recommended by the Peer Review Report.

8. Funding sources.

The ITC recommends that a system for funding be developed and maintained with the proceeds earmarked for the purchase, installation, and maintenance of computing, communication, and multimedia hardware and software. If the current fee cap is removed or if cost reductions can be made in other areas of the University budget, a university-wide technology fee should be assessed (see Peer Review Report recommendation #21 on p. 13 and item #7 on p. 18).

## Statement of Interpretation of Committee Charge

by

THE INTEGRATED TECHNOLOGIES COMMITTEE

The ITC interprets its charge, as found in the Academic Senate Bylaws (Article G, (1) and (2)), by our philosophy statement and list of activities which are found below. ITC feels compelled to actively participate in issues relating to the present and future state of electronic/instructional technology at YSU.

### PHILOSOPHY:

It is absolutely necessary for YSU to acquire and maintain up-to-date technologies for information acquisition, transmission, storage, and retrieval if YSU is to maintain a competitive position in the academic community. We enthusiastically encourage and support the use of existing technologies which improve classroom instruction, faculty and student research, and the administration of the university. We also support the research and development of new technologies at YSU for these purposes.

Our philosophy has been and should continue to be supported by specific activities. The activities listed below are examples of ITC's involvement in electronic/instructional technology at YSU.

### ACTIVITIES:

1. ITC provides policy recommendations to the Academic Senate.
2. Based on its Senate approved policies, ITC provides input for executive level planning, fund raising and resource allocation concerning the present and future state of electronic/instructional technologies at YSU.
3. ITC draws upon the expertise of its own members to help formulate and clarify its policy recommendations. As called for in the Senate Bylaws, ITC membership includes the Director of Computing, the Director of Media Services, and the University Librarian. Additionally, the ITC recommends (Senate Report from ITC - 1993) that a faculty member from Computer and Information Sciences be included on ITC. Participation by other campus technology and information specialists is also welcomed.
4. The ITC consults experts from outside of YSU, when deemed necessary, to provide additional expertise and assistance concerning complex technology issues.

5. The ITC strives to create feasible solution strategies to some of the technological problems facing YSU. The problem of financing technology is of on-going concern to ITC members.
6. The ITC will continue, as charged in the Bylaws, to report to the Academic Senate each year. The ITC reports are intended to raise consciousness of Senate members concerning technological issues and to summarize its policies. The reports should also summarize ITC activities and involvement in electronic/instructional technology issues for the past academic year.

COVER SHEET TO BE ATTACHED TO ALL REPORTS SUBMITTED TO THE ACADEMIC SENATE

Date March 17, 1994 Report Number (For Senate Use Only) 934-19

Name of Committee Submitting Report Academic Programs Committee

Committee Status: (elected chartered, appointed chartered, ad hoc, etc.)  
Appointed chartered

Names of Committee members: G. Claypool, M. DeLost, J. Gergits, J. Gill-Wigal,  
R. Jones, A. Owens, J. Yemma, and R. Foulkes (ex officio)

Please write a brief summary of the report which the Committee is submitting to the Senate: (attach complete report) The Academic Programs Committee accepts the Dana School of Music's proposed changes in credit hours for the courses in Applied Study for Performance Majors, Jazz and Bachelor of Arts, and Minor Instrument areas.

Do you anticipate making a formal motion relative to the report? No

If so, state the motion: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

If there are substantive changes made from the floor in your committee recommendation, would the committee prefer that the matter be sent back to committee for further consideration? Yes

Other relevant data: \_\_\_\_\_  
\_\_\_\_\_

Julia M. Gergits  
Chair



Academic Programs Division

PD# \_\_\_\_\_ Date Rec'd \_\_\_\_\_

Addition of a new program (Complete B, C)  
 Deletion of an existing program (Complete A,C)  
 Change in an existing program (Complete A,B,C)

Program title Jazz Studies, BA and BM in Performance Department Dana School of Music

A. Describe the requirements of the program as it currently exists. (Attach additional sheets if necessary.)

*Attached sheet lists all present levels of applied study and the requested changes (reductions).*

B. Describe the requirements of the proposed program. (Attach additional sheets if necessary.)

C. Using as many additional sheets as are necessary, provide a rationale and estimate how this addition/deletion/change of program will impact upon the resources of departments other than the one originating the form (e.g. enrollments, frequency of support-course offerings, staffing, budgets, equipment, duplicate courses, etc.).

Signatures:  
 Department Chairperson Joseph G. Givens Dean David J. ...  
 Program Division Julia ... Senate \_\_\_\_\_



**APPLIED STUDY FOR PERFORMANCE MAJORS:**

Courses: 607, 608, 609                      Current credit: 6 hrs each; 1½ hr lesson weekly.  
          707, 708, 709  
          807, 808, 809                      Proposed credit: 4 hrs each; 1 hr lesson weekly.

**APPLIED STUDY FOR JAZZ AND BACHELOR OF ARTS STUDENTS:**

Courses: 504, 505, 506                      Current credit: 4 hrs each; 1 hr lesson weekly.  
          604, 605, 606  
          704, 705, 706                      Proposed credit: 3 hrs each; 1 hr lesson weekly.  
          804, 805, 806

**APPLIED STUDY IN MINOR INSTRUMENT AREAS:**

Courses: 500A, 500B, 500C                      Current credit: 2 hrs each; ½ hr lesson weekly.  
          600A, 600B, 600C  
          700A, 700B, 700C                      Proposed credit: 1 hr each; ½ hr lesson weekly.  
          800A, 800B, 800C

**AREAS OF PRIVATE APPLIED STUDY AFFECTED BY THESE REQUESTS:**

Theory  
Baritone  
Bassoon  
Cello  
Clarinet  
Composition  
Flute  
Horn  
Guitar  
Harpsichord  
Oboe  
Organ  
Percussion  
Piano  
Saxophone  
String Bass  
Trombone  
Trumpet  
Tuba  
Viola  
Violin  
Voice



---

Youngstown State University / Youngstown, Ohio 44555-3636  
The Dana School of Music  
(216) 742-3636

March 10, 1994

*Academic Programs Division:*

*The faculty of The Dana School of Music has reevaluated credits given for applied music study (private lessons), and has requested changes in those credits, all of which are reductions of the credit levels currently given. The requested reductions move Dana's applied credits to levels in line with those of similar institutions and with recommendations of the National Association of Schools of Music. The newly requested credits reflect a more realistic role of applied study in the total curriculum of the student.*

*Differences in total hours on degree programs remain in the degree programs as free electives.*

*An attached page lists all reductions and all applied areas affected by these requested changes.*

*Respectfully submitted,*

A handwritten signature in black ink, appearing to read 'Wade Raridon'.

Wade Raridon

Chair, Dana Curriculum Committee

A handwritten signature in black ink, appearing to read 'Joseph Edwards'.

Joseph Edwards

Director, Dana School of Music

COVER SHEET TO BE ATTACHED TO ALL REPORTS SUBMITTED TO THE ACADEMIC SENATE

Date March 17, 1994 Report Number (For Senate Use Only) 934-20

Name of Committee Submitting Report Academic Programs Committee

Committee Status: (elected chartered, appointed chartered, ad hoc, etc.) \_\_\_\_\_  
Appointed chartered

Names of Committee members: G. Claypool, M. DeLost, J. Gergits, J. Gill-Wigal,  
R. Jones, A. Owens, J. Yemma, and R. Foulkes (ex officio)

Please write a brief summary of the report which the Committee is submitting to the  
Senate: (attach complete report) The Academic Programs Committee accepts  
the revision to the Hospitality Management Program.

Do you anticipate making a formal motion relative to the report? No

If so, state the motion: \_\_\_\_\_

If there are substantive changes made from the floor in your committee recommendation,  
would the committee prefer that the matter be sent back to committee for further  
consideration? Yes

Other relevant data: \_\_\_\_\_

J. M. Gergits  
/ chair



Academic Programs Division

PD#            Date Rec'd

Addition of a new program \_\_\_\_\_ (Complete B, C)

Deletion of an existing program \_\_\_\_\_ (Complete A, C)

Change in an existing program XXXXXXXXXX (Complete A, B, C)

Program title HOSPITALITY MANAGEMENT Department Human Ecology

-----  
A. Describe the requirements of the program as it currently exists. (Attach additional sheets if necessary.)

Please see Attachment A

-----  
B. Describe the requirements of the proposed program. (Attach additional sheets if necessary.)

Please see Attachment B

-----  
C. Using many additional sheets as are necessary, provide a rationale and estimate how this addition/deletion/change of program will impact upon the resources of departments other than the one originating the form (e.g. enrollments, frequency of support-course offerings, staffing, budgets, equipment, duplicate courses, etc.).

Please see Attachment C

-----  
Signatures

Dept. Chairman

Janice Elias

Dean

J. J. Jenkins

Program Div.

Guler M. Geyts

Senate

YOUNGSTOWN STATE UNIVERSITY  
DEPARTMENT OF HUMAN ECOLOGY

HOSPITALITY MANAGEMENT  
(A.A.S. DEGREE)  
1993 - 1994

GENERAL DEGREE REQUIREMENTS

MATH	506	Math of Business	5	__
ENGL	550	Composition 1	4	__
ENGL	551	Composition 2	4	__
PSYCH	560	General Psychology	4	__
HLTH	590	Health Education	3	__
SPCH	653	Small-Group Communication	4	__
			24	__

OTHER REQUIREMENTS

BUTEC	500	Survey of American Business	4	__
BUTEC	540	Principles of Mktg (BUTEC 500)	4	__
BUTEC	580	Elementary Acctg. Tech. 1	4	__
BUTEC	584	Hospitality Industry Acctg. (BUTEC 580)	4	__
BET	613	Microcomputer Applications	4	__
BET	706	Bus Law (BET 510 or BUTEC 500)	4	__
BET	720	Organizational Behavior (Sophomore standing)	4	__
			28	__

MAJOR REQUIREMENTS (Home Economics)

HMGT	500	Hospitality Industry	3	__
FNUTR	543	Personal Nutrition	2	__
HMGT	575	Travel and Tourism	3	__
HMGT	600	Front Office Procedures (BET 613)	4	__
FNUTR	606	Food Science (H.S. lab science course; MATH 509 or equiv.; FNUTR 552/L or high school food course)	4	__
FNUTR	606L	Food Science Lab (concurrent w/606)	2	__
FNUTR	609	Food Systems 1: Operations (HOME 550 or HMGT 500 and FNUTR 606/L)	4	__
FNUTR	610	Organization and Management	4	__
FNUTR	611	Food Systems 2: Production & Service (FNUTR 609)	2	__
FNUTR	611L	Food Systems 2: Lab (concur. w/611)	3	__
HMGT	615	Housekeeping, Security & Maintenance (BUTEC 500)	4	__
HMGT	625	Food & Beverage Management (FNUTR 606/L)	3	__
HMGT	645	Hospitality Sales & Mktg. (BUTEC 540)	4	__
HMGT	690	Hospitality Internship (HOME 500, HMGT 600, FNUTR 606/L)	2	__
HMGT	691	Hospitality Cooperative Work Exp. (HMGT 690 and 645 or 625)	3	__

47\_\_

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TOTAL CREDIT HOURS - 99

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- . Some courses offered only once a year; see your advisor for proper prerequisites and sequence of courses.
- . Must have "C" or better in each course of MAJOR, and GPA of 2.0 to be eligible for graduation.
- . Nonacademic credits cannot be counted as electives.

5/17/93

## YOUNGSTOWN STATE UNIVERSITY

## THE DEPARTMENT OF HUMAN ECOLOGY

## HOSPITALITY MANAGEMENT

(A.A.S. DEGREE)

1994 - 1995

GENERAL DEGREE REQUIREMENTS

SOCIO	500	Fundamentals of Sociology	4	—
OR				
PSYCH	560	General Psychology	(4)	—
ENGL	550	Composition 1	4	—
ENGL	551	Composition 2	4	—
HSC	590	Health Education	3	—
SFCH	652	Business & Prof'l Speaking	4	—
MAIH		Elective	4	—
			23	—

OTHER REQUIREMENTS

CIS	500	Data Processing Concepts	4	—
OR				
BIS	513	Business Computer Systems I	(4)	—
MGT	511	Introduction to Business	3	—
ACCTG	602	Financial Accounting	4	—
MGT	604	Legal Environment of Business	4	—
OR				
BIS	706	Business Law	(4)	—
MKTG	703	Fundamentals of Marketing	5	—
			20	—

MAJOR REQUIREMENTS (Human Ecology)

HNUT	500	Hospitality Industry	4	—
FNUTR	543	Personal Nutrition	2	—
HNEC	550	Home Prof'ion (EPT Placement in ENGL 550 or completion of ENGL 540)	2	—
FNUTR	552	Food Management	2	—
FNUTR	552L	Food Management Lab (concurrent with 552)	2	—
HNUT	575	Travel and Tourism	4	—
HNUT	600	Front Office Procedures (CIS 500 or BIS 513)	4	—
FNUTR	609	Food Systems 1: Operations (FNUTR 552/L or FNUTR 606/L)	4	—
FNUTR	610	Organization and Management	4	—
FNUTR	611	Food Systems 2: Production & Service (FNUTR 609)	2	—
FNUTR	611L	Food Systems 2: Lab (concurrent with 611)	3	—
HNUT	612	Hospitality Fiscal Control I (ACCTG 602)	4	—
HNUT	619	Housekeeping & Maintenance (MGT 511; HNUT 500)	3	—
HNUT	620	Hospitality Security (MGT 511; HNUT 500)	3	—
HNUT	625	Food & Beverage Management (FNUTR 609)	3	—
HNUT	645	Hospitality Marketing (MKTG 703; CIS 500 or BIS 513; HNUT 500 and 575)	4	—
HNUT	690	Hospitality Internship (HNUT 600, 619, 625; FNUTR 610, 611/L; CIS 500 or BIS 513); permit required	3	—
HNUT	691	Hospitality Cooperative Work Experience (HNUT 690); permit required	3	—
			56	—

TOTAL CREDIT HOURS - 99

- Some courses offered only once a year; see your advisor for proper prerequisites and sequence of courses.
- Must have "C" or better in each course of MAJOR, and GPA of 2.0 to be eligible for graduation.
- Nonacademic credits cannot be counted as electives.

1/24/94

## A.A.S. in HOSPITALITY MANAGEMENT

### Program Revision Rationale

Since its inception in 1989, the Hospitality Management program has experienced rapid, steady growth in number of majors, course enrollment, industry contacts, and state and national recognition. These facts, combined with changes in the industry, university and college reorganization and realignment, transfer to the program of faculty with business expertise, and advisory committee input has mandated program and course changes for improvement.

Reorganization and faculty transfer will improve our ability to integrate necessary business knowledge with industry applications. These changes will also allow students increased course offerings from which to choose and increase student contact with full-service Hospitality Management faculty.

This initial program revision also has been endorsed by the Hospitality Management Advisory Committee and by The Department of Human Ecology faculty. Industry professionals and the Ohio Hotel and Motel Association highly recommend students graduate with realistic industry work experience. These changes guarantee our students will do this.

The changes in the program are based upon faculty expertise and professional recommendations.



Youngstown State University / Youngstown, Ohio 44555-0001

To: Academic Programs and Curriculum Committees

From: Janice Elias, *JE* Chair, Human Ecology

Date: February 24, 1994

Subject: Academic Program and Curriculum Proposals

The Department of Human Ecology proposes the academic program and curriculum changes summarized below.

I. Revision of Hospitality Management academic program.

The proposed curriculum is designed to respond to recommendations of the Hospitality Management Advisory Committee and program faculty and to anticipated changes in the availability of support courses offered by the Department of Business Information Systems.

Changes include:

BUTEC 500 Survey of American Business 4 q.h. replaced by  
MGT 511 Introduction to Business 3 q.h.

BUTEC 540 Principles of Marketing 4 q.h. replaced by  
MKTG 703 Fundamentals of Marketing 5 q.h.

BUTEC 580 Elementary Accounting Tech I 4 q.h. replaced by  
ACCTG 602 Financial Accounting 4 q.h.

BUTEC 584 Hospitality Industry Accounting 4 q.h. replaced by  
HMGT 612 Hospitality Fiscal Control I 4 q.h.

Students need industry specific content and utilization of software. Mr. Campbell who is currently teaching BUTEC 584 in the Business Information Systems Department has been transferred to Human Ecology and will teach HMGT 612. BUTEC 584 has not been offered frequently enough to meet the scheduling needs of our students and has been taught primarily by limited service faculty.

BET 613 Microcomputer Applications 4 q.h. replaced by  
CIS 500 Data Processing Systems 4 q.h.  
or BIS 513 Business Computer Systems 4 q.h.

BET 706 Business Law 4 q.h. replaced by a choice of  
BIS 706 Business Law or MGT 604 Legal Environment of Business 4  
q.h.

MATH 506 Business Math 5 q.h. replaced by  
Math elective 4 or 5 q.h.

Students will be encouraged to choose the highest level math class appropriate for their skill level, career and educational goals.



SPCH 653 Small-Group Communication 4 q.h. replaced by  
SPCH 652 Business and Professional Speech 4 q.h.  
Speech 653 has been infrequently offered and program faculty and  
the advisory board members have recommended Speech 652 as more  
appropriate.

PSYCH 560 General Psychology 4 q.h. replaced by a choice of  
PSYCH 560 or SOC 500 Fundamentals of Sociology 4 q.h.  
This change is to increase choices for the student in the program.

FNUTR 606 and 606L Food Science 6 q.h. replaced by  
FNUTR 552 and 552L Food Management 4 q.h.  
Faculty have determined that the FNUTR 606 course must be targeted  
to the needs of students in the Dietetic Technology and Food and  
Nutrition program. The food chemistry emphasized in 606 is not  
necessary for students in Hospitality Management who need more  
emphasis on the economic, cultural, and aesthetic factors related  
to food production.

HMGT 615 Housekeeping, Security and Maintenance 4 q.h. deleted and  
split into two new courses:  
HMGT 619 Housekeeping and Maintenance 3 q.h and  
HMGT 620 Hospitality Security 3 q.h.  
Necessary content could not be adequately addressed in one course.

Deletion of:

BET 720 Organizational Behavior 4 q.h. The transfer of Robert  
Campbell from Business Information Systems to Human Ecology allows  
this course content to be integrated into other Hospitality  
Management courses, particularly the seminars which accompany the  
field-based courses and FNUTR 610 Organization and Management. We  
are currently developing a proposal for a 4-year degree in  
Hospitality Management and BET 720 would be part of the bachelor's  
program.

Addition of:

HMEC 550 Home Economics Profession 2 q.h.  
The addition of HMEC 550 is necessary to meet core program  
requirements for accreditation of the Department of Human Ecology  
by the American Home Economics Association.

One quarter hour added to HMGT 500 Hospitality Industry, HMGT 575  
Travel and Tourism, and HMGT 690 Hospitality Internship.  
Additional time is needed to adequately address the content. The  
additional hour in the Hospitality Internship is for additional  
student time in the experience.

Several prerequisites for courses in the program were revised to  
assure students have adequate preparation for successful completion  
of the program.

See attached Academic Program Proposal and related course proposals  
for: HMGT 500, 575, 600, 612, 615, 619, 620, 625, 645, 690, 691 and  
FNUTR 552, 552L and 609.

II. Slight modifications in Coordinated Program in Dietetics Academic Program. This involves no course proposals. See attached proposal.

III. Course proposals.

In addition to changes in courses required in the Hospitality Management Program as discussed above, changes in prerequisites are proposed for the courses listed below. These prerequisite changes will permit better program sequencing in the Dietetic Technology and Food and Nutrition programs.

FNUTR 603 Diet Therapy

FNUTR 618 Preclinical Skills

FNUTR 628 Practicum in Dietetic Technology

FNUTR 761 Nutrition and the Athlete

HMEC 850 Contemporary Issues

## ANNOUNCEMENT TWO TO B.I.S. STUDENTS

Because of proposed curriculum changes, spring quarter may be the last time the following courses are offered:

OSA 615, Information Processing Machines  
OSA 631, Shorthand 3  
OSA 624, Specialized Typewriting  
OSA 731, Specialized Dictation  
OSA 805, Office Practicum

BUTEC 540, Principles of Marketing  
BUTEC 560, Business Management Technology  
BUTEC 586, Financial Management  
BUTEC 640, Warehousing and Traffic Management  
BUTEC 641, Retail Merchandising  
BUTEC 648, Sales Management  
BUTEC 667, Small Business Management  
BUTEC 683, Cost Accounting  
BUTEC 684, Tax Accounting

You may want to plan your spring quarter schedules with this information in mind.

**Equivalent courses will continue to be available.**

Students may get a copy of this announcement at the BIS department office, Cushwa 3077.

## ANNOUNCEMENT ONE TO B.I.S. STUDENTS

Plans have been approved to discontinue offering the associate-degree programs in **accounting, management, and marketing**. Beginning fall quarter 1994 a new associate-degree program will be offered in the Williamson College of Business Administration through the departments of Accounting, Management, and Marketing. This associate-degree program will lead into the baccalaureate programs in Accounting, Management, and Marketing with no loss of credits. Curriculum sheets for the new programs will probably be distributed at some time during the summer. For information about these curricula, contact the advisors in Williamson Hall, Room 408.

It is not certain at this time whether the Business Information Systems Department will offer **accounting, management, and marketing** courses after summer quarter. Discussions are under way to decide which of the duplicate courses will be eliminated. Other BIS courses on your curriculum sheet, will, however, continue to be offered.

**Accounting, management, and marketing majors** have two choices beginning fall 1994:

- (1) Transfer to the new associate-degree program.
- (2) Continue in your present program.

If you decide to continue in your present program, substitutes may be needed for some of the courses listed. These will have to be approved by the BIS Department chairman, Dr. Boggess. You may call 742-3336 or come to Cushwa 3077 to make an appointment with her.

**The Office Services and Administration curricula will continue to be offered.**

Students may get a copy of this announcement at the BIS Department Office, 3077 Cushwa.

COVER SHEET TO BE ATTACHED TO ALL REPORTS SUBMITTED TO THE ACADEMIC SENATE

Date March 17, 1994 Report Number (For Senate Use Only) 93421

Name of Committee Submitting Report Academic Programs Committee

Committee Status: (elected chartered, appointed chartered, ad hoc, etc.) \_\_\_\_\_

Appointed chartered

Names of Committee members: G. Claypool, M. DeLost, J. Gergits, J. Gill-  
Wigal, R. Jones, A. Owens, J. Yemma, and R. Foulkes (ex officio)

Please write a brief summary of the report which the Committee is submitting to the Senate: (attach complete report) The Academic Programs Committee accepts the Dental Hygiene program changes (primarily changes in specific requirements--no overall changes in credit)

Do you anticipate making a formal motion relative to the report? No

If so, state the motion: \_\_\_\_\_

If there are substantive changes made from the floor in your committee recommendation, would the committee prefer that the matter be sent back to committee for further consideration? Yes

Other relevant data: \_\_\_\_\_

*Julie M. DeLofts*  
Chair

YOUNGSTOWN STATE UNIVERSITY  
INTER OFFICE MEMO

**TO:** The College of Health and Human Services Curriculum  
Committee

**FROM:** Maureen Vendemia *ms*

**DATE:** March 2, 1994

**SUBJECT:** Dental Hygiene Program Curriculum Changes

The Dental Hygiene Program has a total of 110 hours which includes Dental Hygiene 615, 601, 601L, 602L, and 603L. Dental Hygiene 615 (3 q.h.) is being deleted and the course content is being incorporated into existing Dental Hygiene 502, 503, 601 and 625. Dental Hygiene 604, 605, and 606 are being added to the program. These lectures/seminars will provide students with opportunities to discuss clinical procedures. The case study approach to problem solving will be emphasized. It is also anticipated that the seminars will improve analytical skills and decision making skills in regard to patient care. Each course will be one (1) quarter hour. This will not change the current total of program hours because Dental Hygiene 615 is three (3) quarter hours and is being deleted.

Dental Hygiene 601L, 602L and 603L are being deleted. Dental Hygiene 604L, 605L and 606L are being added to parallel the seminar courses (604, 605, 606) which must be taken concurrently. The Dental Hygiene 601, 602 and 603 course descriptions involve minor editorial changes.

The program is not being substantially changed; therefore, there will be no impact on enrollment, staffing, or other resources.

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Youngstown State University  
Academic Programs Division

PD# \_\_\_\_\_ Date Rec'd \_\_\_\_\_

Addition of a new program \_\_\_\_\_ (Complete B,C)

Deletion of an existing program \_\_\_\_\_ (Complete A,C)

Change in an existing program   X   (Complete A,B,C)

Program title Dental Hygiene Department Department of Allied Health

A. Describe the requirements of the program as it currently exists.  
(Attach additional sheets if necessary.)

The total program has 110 hours which includes Dental Hygiene 615, 601, 601L, 602L, 603L.

B. Describe the requirements of the proposed program. (Attach additional sheets if necessary.) Dental Hygiene 615 is being deleted and the course content is being incorporated into existing Dental Hygiene 502, 503, 601 and 625. Dental Hygiene 604, 605, and 606 are being added to the program. Each of these courses will be one (1) quarter hour. This will not change the current total of program hours because DENHY 615 is three (3) quarter hours and is being deleted. Dental Hygiene 601L, 602L and 603L are being deleted. DENHY 604L, 605L and 606L are being added to parallel the lecture/seminar courses 604, 605, 606 which must be taken concurrently. In addition, Dental Hygiene 601, 602 and 603 course descriptions involve minor editorial changes.

C. Using as many additional sheets as are necessary, provide a rationale and estimate how this addition/deletion/change of program will impact upon the resources of departments other than the one originating the form (e.g. enrollments, frequency of support-course offerings, staffing, budgets, equipment, duplicate courses, etc.).

These changes are being made in preparation for the next accreditation on-site visit in 1996.

The program is not being substantially changed. There will be no change in enrollment, staffing or other resources.

Signatures

Department Chairperson Andrzej Stogutny

Dean J. J. Ferrara

Prog. Div. Julia M. Dwyer

YOUNGSTOWN STATE UNIVERSITY  
THE COLLEGE OF HEALTH AND HUMAN SERVICES  
A.A.S. DEGREE - DENTAL HYGIENE - 1994-95

PRE-COLLEGE REQUIREMENTS (High School Credits)

REQUIRED	EARNED	MUST HAVE GRADES OF "C" OR BETTER IN:	GRADE	DEFICIENCY	MAKE-UP COURSE
4		ENGLISH			ENGL 540 or 550*
1		ALGEBRA I			MATH 509 and 510 or 508**
1		ALGEBRA II OR GEOMETRY			MATH 512 or 511
1		BIOLOGY			BIOL 551
1		CHEMISTRY			CHEM 501
1		U. S. HISTORY			
1		SOCIAL SCIENCE (Includes 1/2 Unit U. S. GOVERNMENT)			
7		OTHER			
17		TOTAL (See advisor concerning deficiencies)			

High school deficiencies must be made up. These hours DO NOT count toward graduation.

\*Course taken is determined by the English Placement Test.

\*\*Students who have had Algebra I in high school may take only 510, 511 and 512.

NOTE: Credit in Algebra I, Algebra II and Geometry is highly recommended and is required of one wishing to pursue the BSAS Degree.

**FIRST YEAR**

**Summer**

BIOL 551	Physiology & Anatomy of Man 1 with Lab	4 ( )
BIOL 552	Physiology & Anatomy of Man 2 with Lab	4 ( )
		<b>8</b>

**First Quarter**

DENHY 501	Dental Hygiene 1	3 ( )
DENHY 501L	Clinical Dental Hygiene 1	2 ( )
DENHY 520	Dental Anatomy	2 ( )
DENHY 520L	Dental Anatomy Lab	1 ( )
CHEM 505	Chemistry for the Health Sciences 1	4 ( )
ENGL 550	Basic Composition 1	4 ( )
		<b>16</b>

**Second Quarter**

DENHY 500	Dental-Medical Emergencies	2 ( )
DENHY 502	Dental Hygiene 2	2 ( )
DENHY 502L	Clinical Dental Hygiene 2	3 ( )
DENHY 530	Dental Radiology	2 ( )
DENHY 525	Oral Histology & Embryology	3 ( )
CHEM 506	Chemistry for the Health Sciences 2	4 ( )
ELECTIVE	(Humanities or Social Studies)	3 ( )
		<b>19</b>

**Third Quarter**

DENHY 503	Dental Hygiene 3	2 ( )
DENHY 503L	Clinical Dental Hygiene 3	3 ( )
DENHY 530L	Dental Radiology Lab	1 ( )
DENHY 535	General & Oral Pathology	3 ( )
BIOL 560	Paramedical Microbiology	5 ( )
HOMECEC 551	Normal Nutrition 1	4 ( )
		<b>18</b>

**SECOND YEAR**

**Fourth Quarter**

DENHY 601	Comprehensive Dental Hygiene Care	2 ( )
DENHY 604	Dental Hygiene 4 Seminar	1 ( )
DENHY 604L	Clinical Dental Hygiene 4	4 ( )
DENHY 611	Dental Materials	2 ( )
DENHY 611L	Dental Materials Lab	1 ( )
DENHY 620	Periodontics 1	2 ( )
PSYCH 560	Introduction to Psychology	4 ( )
		<b>16</b>

**Fifth Quarter**

DENHY 602	Pain Control	2 ( )
DENHY 605	Dental Hygiene 5 Seminar	1 ( )
DENHY 605L	Clinical Dental Hygiene 5	4 ( )
DENHY 625	Dental Public Health	3 ( )
DENHY 621	Periodontics 2	2 ( )
MATEC 605	Introduction to Pharmacology	4 ( )
		<b>16</b>

**Sixth Quarter**

DENHY 603	Dental Office Management	2 ( )
DENHY 606	Dental Hygiene 6 Seminar	1 ( )
DENHY 606L	Clinical Dental Hygiene 6	4 ( )
DENHY 626	Dental Public Health Clinical Experience	1 ( )
DENHY 641	Ethics and Jurisprudence	1 ( )
SOCIO 500	Fundamentals of Sociology	4 ( )
SPCH 550	Public Speaking	4 ( )
		<b>17</b>

**TOTAL PROGRAM HOURS**

**110**

The Dental Hygiene Program is designed to prepare dental hygienists for work in private practice, in public health, or in other health care settings. Upon completion of the two year program, which leads to the Associate in Applied Science Degree, graduates will be eligible to take the licensing examinations to be registered as a dental hygienist.

Dental Hygiene students must complete BIOL 551 and 551L, and BIOL 552 and 552L before the first quarter of the first year.

Grades of "C" or better are required in all Dental Hygiene, Chemistry, Biology and Medical Assisting courses. A student will be dismissed from the Dental Hygiene Program if they receive an "F" in any Dental Hygiene course or 6 hours of "D" grades in any Dental Hygiene, Chemistry, Biology or Medical Assisting courses. Students are permitted two repetitions for purposes of recalculation. An overall 2.0 grade point average must be maintained to continue in the program. Readmission into the program will be based on validation of knowledge through examination and available space in the class; students must have a 2.0 grade point average to be readmitted.

Revised 2/14/94



YOUNGSTOWN STATE UNIVERSITY  
COLLEGE OF HEALTH AND HUMAN SERVICES  
A.A.S. DEGREE - DENTAL HYGIENE - 1993-94

PRE-COLLEGE REQUIREMENTS (High School Credits)

REQUIRED	EARNED	MUST HAVE GRADES OF "C" OR BETTER IN:	GRADE	DEFICIENCY	MAKE-UP COURSE
4		ENGLISH			ENGL 540 or 550*
1		ALGEBRA			MATH 509 and 510 or 508**
1		ALGEBRA II or GEOMETRY			MATH 512 or 511
1		BIOLOGY			BIOL 551
1		CHEMISTRY			CHEM 501
1		U. S. HISTORY			
1		SOCIAL SCIENCE (Includes 1/2 Unit U. S. GOVERNMENT)			
7		OTHER			
17		TOTAL (See advisor concerning deficiencies)			

High school deficiencies must be made up. These hours DO NOT count toward graduation.

\*Course taken is determined by the English Placement Test.

\*\*Students who have had Algebra I in high school may take only 510, 511 and 512.

NOTE: Credit in Algebra I, Algebra II and Geometry is highly recommended and is required of one wishing to pursue the BSAS Degree.

FIRST YEAR

Summer

BIOL 551	Physiology & Anatomy of Man I with Lab	4 ( )
BIOL 552	Physiology & Anatomy of Man II with Lab	4 ( )
		8

First Quarter

DENHY 501	Dental Hygiene I	3 ( )
DENHY 501L	Clinical Dental Hygiene I	2 ( )
DENHY 520	Dental Anatomy	2 ( )
DENHY 520L	Dental Anatomy Lab	1 ( )
CHEM 505	Chemistry for the Health Sciences I	4 ( )
ENGL 550	Basic Composition I	4 ( )
		16

Second Quarter

DENHY 500	Dental-Medical Emergencies	2 ( )
DENHY 502	Dental Hygiene II	2 ( )
DENHY 502L	Clinical Dental Hygiene II	3 ( )
DENHY 530	Dental Radiology	2 ( )
DENHY 525	Oral Histology & Embryology	3 ( )
CHEM 506	Chemistry for the Health Sciences II	4 ( )
ELECTIVE	(Humanities or Social Studies)	3 ( )
		19

Third Quarter

DENHY 503	Dental Hygiene III	2 ( )
DENHY 503L	Clinical Dental Hygiene III	3 ( )
DENHY 530L	Dental Radiology Lab	1 ( )
DENHY 535	General & Oral Pathology	3 ( )
BIOL 560	Paramedical Microbiology	5 ( )
HOMECEC 551	Normal Nutrition I	4 ( )
		18

SECOND YEAR

Fourth Quarter

DENHY 601	Dental Hygiene IV	2 ( )
DENHY 601L	Clinical Dental Hygiene IV	4 ( )
DENHY 611	Dental Materials	2 ( )
DENHY 611L	Dental Materials Lab	1 ( )
DENHY 615	Dental Health Education	3 ( )
DENHY 620	Periodontics I	2 ( )
PSYCH 560	Introduction to Psychology	4 ( )
		18

Fifth Quarter

DENHY 602	Dental Hygiene V	2 ( )
DENHY 602L	Clinical Dental Hygiene V	4 ( )
DENHY 625	Dental Public Health	3 ( )
DENHY 621	Periodontics II	2 ( )
MATEC 605	Introduction to Pharmacology	4 ( )
		15

Sixth Quarter

DENHY 603	Dental Hygiene VI	2 ( )
DENHY 603L	Clinical Dental Hygiene VI	4 ( )
DENHY 626	Dental Public Health Clinical Experience	1 ( )
DENHY 641	Ethics and Jurisprudence	1 ( )
SOCIO 500	Fundamentals of Sociology	4 ( )
SPCH 550	Public Speaking	4 ( )
		16

TOTAL PROGRAM HOURS

110

The Dental Hygiene Program is designed to prepare dental hygienists for work in private practice, in public health, or in other health care settings. Upon completion of the two year program, which leads to the Associate in Applied Science Degree, graduates will be eligible to take the licensing examinations to be registered as a dental hygienist.

Dental Hygiene students must complete BIOL 551 and 551L, and BIOL 552 and 552L before the first quarter of the first year.

Grades of "C" or better are required in all Dental Hygiene, Chemistry, Biology and Medical Assisting courses. A student will be dismissed from the Dental Hygiene Program if they receive an "F" in any Dental Hygiene course or 6 hours of "D" grades in any Dental Hygiene, Chemistry, Biology or Medical Assisting courses. Students are permitted two repetitions for purposes of recalculation. An overall 2.0 grade point average must be maintained to continue in the program. Readmission into the program will be based on validation of knowledge through examination and available space in the class; students must have a 2.0 grade point average to be readmitted.

Revised 5/28/93

**DENTAL HYGIENE WORKSHEET**

APPLICATION DATE: \_\_\_\_\_

NAME: \_\_\_\_\_

SOC. SEC.NO. \_\_\_\_\_

UNIV. STATUS \_\_\_\_\_

YSU GPA: \_\_\_\_\_

PROGRAM GPA: \_\_\_\_\_

<b>HIGH SCHOOL</b>					
ALG 1: _____	GEOM: _____	ALG 2: _____	BIO: _____	CHEM: _____	
509 _____	510 _____	511 _____	512 _____	551 _____	501 _____

**WEIGHT  
FACTOR:**

<b>PROGRAM COURSES:</b>						
	COURSE	HOURS	GRADE	VALUE	QP	COMMENTS
.118	BIO 551	4				
.118	BIO 552	4				
.118	BIO 560	5				
.118	CHEM 505	4				
.118	CHEM 506	4				
.118	ENG 550	4				
.059	HOMECEC 551	4				
.059	MATEC 605	4				
.059	PSYCH 560	4				
.059	SOCIO 500	4				
.059	SPEECH 550	4				

\_\_\_\_\_ GPA \_\_\_\_\_

+ WEIGHT FACTOR \_\_\_\_\_

= ACTUAL PGPA \_\_\_\_\_

COVER SHEET TO BE ATTACHED TO ALL REPORTS SUBMITTED TO THE ACADEMIC SENATE

Date March 17, 1994 Report Number (For Senate Use Only) 934-22

Name of Committee Submitting Report Academic Programs

Committee Status: (elected chartered, appointed chartered, ad hoc, etc.) \_\_\_\_\_

Appointed chartered

Names of Committee members: G. Claypool, M. DeLost, J. Gergits, J. Gill-Wigal,  
R. Jones, A. Owens, J. Yemma, and R. Foulkes (ex officio)

Please write a brief summary of the report which the Committee is submitting to the Senate: (attach complete report) Academic Programs Committee accepts the changes in the Coordinated Program in Dietetics.

Do you anticipate making a formal motion relative to the report? No

If so, state the motion: \_\_\_\_\_

If there are substantive changes made from the floor in your committee recommendation, would the committee prefer that the matter be sent back to committee for further consideration? Yes

Other relevant data: \_\_\_\_\_

Jude M. Gergits  
Chair



Academic Programs Division

PD#            Date Rec'd

Addition of a new program \_\_\_\_\_ (Complete B, C)

Deletion of an existing program \_\_\_\_\_ (Complete A, C)

Change in an existing program xxx (Complete A, B, C)

Program title Coordinated Program in Department HUMAN ECOLOGY  
DIETETICS

-----  
A. Describe the requirements of the program as it currently exists. (Attach additional sheets if necessary.)

See attached curriculum sheet.

-----  
B. Describe the requirements of the proposed program. (Attach additional sheets if necessary.)

All requirements remain in place except:

- . Delete FNUTR 862L, Cultural Foods Lab (1 q.h.)
- . Add FNUTR 873, Nutrition and Aging (4 q.h.)
- . Delete HMEC 780, Consumer Economics as an acceptable alternate for CHFAM 731, Individual and Family Development

-----  
C. Using many additional sheets as are necessary, provide a rationale and estimate how this addition/deletion/change of program will impact upon the resources of departments other than the one originating the form (e.g. enrollments, frequency of support-course offerings, staffing, budgets, equipment, duplicate courses, etc.).

- . Content similar to FNUTR 862L can be obtained in other course exclusive to the CPD curriculum (FNUTR 858L, Foodservice Systems Management Lab and FNUTR 885, Practicum in Dietetics)
- . Addition of FNUTR 873 is in accordance with program goals.
- . Deletion of HMEC 780 as an acceptable alternate for CHFAM 731 is necessary to meet American Home Economics Association accreditation standards

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Signatures

Dept. Chairman

Jamie Elias

Dean

J. Korman

Program Div.

Julia M. Bergite

Senate

YOUNGSTOWN STATE UNIVERSITY / THE DEPARTMENT OF HUMAN ECOLOGY

COORDINATED PROGRAM IN DIETETICS (CPD)

CURRICULUM (YEARS 3 AND 4)

1994 - 1995

GENERAL REQUIREMENTS

*ENGL 550 Basic Composition 1	4	___
*ENGL 551 Basic Composition 2	4	___
*HSC 590 Health Education	3	___
HPES ( 3 activities )	3	___
*HUMANITIES (1 prior to entering CPD)	8	___

SCIENCE/MATHEMATICS

*CHEM 505/L Chem for AH Sciences 1	4	___
*CHEM 506/L Chem for AH Sciences 2	4	___
*BIOL 551/L Phys & Anatomy of Humans 1	4	___
*BIOL 552/L Phys & Anatomy of Humans 2	4	___
*BIOL 604/L Food Microbiology	4	___

SOCIAL STUDIES

*SOCIO 500 Fundamentals	4	___
*ECON 520 Principles of Economics 1	4	___
*PSYCH 560 General Psychology	4	___
*ANTHR 602 Introduction to Anthropology	4	___
*PSYCH 709 Psychology of Educ (PSYCH 560)	4	___

OTHER COURSES TO MEET DEGREE REQUIREMENTS

*CIS 500 Data Processing Concepts	4	___
*BUTECH 580 Elementary Acctg Tech 1	4	___
CHEM 705/L Nutritional Biochemistry (CHEM 506/L)	4	___

ELECTIVES..... 8  
 (Strongly suggested as electives prior to entering CPD, if possible, are:)

MATEC 501 Medical Terminology	
MATEC 605 Introduction to Pharmacology	(CHEM 502, BIOL 552 or concurrently)

Other suggested electives:

HMEC 771 Presentation Techniques (8 hrs. Dept. of Human Ecology credit)	ENGL 550, SPCH 550 or equivalent speech course)
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PREREQUISITES TO THE CPD APPEAR ON THE OTHER SIDE.

\*INDICATES COURSES WHICH ARE PREREQUISITES TO THE CPD AND MUST BE COMPLETED BEFORE ADMISSION TO THE PROGRAM.

TOTAL HOURS FOR DEGREE: 195-197

Y E A R 3

F A L L

FNUTR 750 Orientation to Dietetics	1	___
FNUTR 759 Normal Nutrition 2 (FNUTR 551; BIOL 552; CHEM 705)	4	___
FNUTR 759L Normal Nutrition 2 Lab (concurrent with 759)	3	___
MGT 725 Fundamentals (Junior Standing)	4	___
CHEM 705/L Nutritional Biochem (CHEM 506/L)	4	___
HPES Activity	1	___

W I N T E R

FNUTR 760 Clinical Nutr (FNUTR 603/L, 759)	4	___
FNUTR 760L Clinical Nutrition Lab (concurrent with 760)	3	___
MGT 750 Human Behavior in Organiz. (Jr Stand)	4	___
FOUND 872 Statistical Methods in Educ	3	___
HPES Activity	1	___

S P R I N G

FNUTR 860 Advanced Clinical Nutrition (FNUTR 760 or permission)	4	___
FNUTR 860L Advanced Clinical Nutrition Lab (concurrent with 860)	3	___
FNUTR 810 Exp Foods (FNUTR 606/L; CHEM 506/L)	3	___
FNUTR 810L Exp Foods Lab (concurrent w/810)	1	___
MGT 804 Human Resource Mgt. (MGT 725, 750)	4	___
HPES Activity	1	___

S U M M E R

HMEC 802 Research Meth/Homec (FOUND 872 or MATH 714)	2	___
HMEC 802L Research Methods in Homec Lab (concurrent with 802)	2	___
HUMANITIES.....	4	___

Y E A R 4 (1992-93)

F A L L

FNUTR 862 Food & Culture (CHFAM 731)	
FNUTR 872 Maternal & Child Nutrition (FNUTR 760)	___
FNUTR 872L Maternal & Child Nutrition Lab (concurrent with 872)	2
FNUTR 874 Community Nutrition (FNUTR 603/L)	2
FNUTR 87L Community Nutrition Lab (concurrent with 874)	2

W I N T E R

FNUTR 858 Foodservice Systems Mgt. (FNUTR 611/L)	6
FNUTR 858L Foodservice Systems Mgt. (concurrent with 858)	6
FNUTR 873 Nutrition and aging (FNUTR 760)	4

S P R I N G

HMEC 850 Contemporary Issues in Home Economics (HMEC 550; CHFAM 731; Jr. standing and 30 hours of Human Ecology courses)	2
FNUTR 885 Practicum in Dietetics (FNUTR 858L, 860L, Senior standing)	7

ELECTIVES..... 6-8

## HIGH SCHOOL REQUIREMENTS

(FOR STUDENTS GRADUATING FROM HIGH SCHOOL AFTER SEPTEMBER 1985)

ENGLISH	4 UNITS	
MATHEMATICS	3 UNITS	Specifically Algebra I and II, and Plane Geometry.
<u>SCIENCE</u>	3 UNITS	Including at least one unit of Biology, Chemistry, Earth Science, or Physics. One unit should be a laboratory course.
<u>SOCIAL SCIENCE</u>	2 UNITS	Specifically including one unit of U.S. History and one-half unit of U.S. Government.
O R		
<u>SCIENCE</u>	2 UNITS	Including at least one unit of Biology, Chemistry, Earth Science, or Physics. One unit should be a laboratory course.
<u>SOCIAL SCIENCE</u>	3 UNITS	Specifically including one unit of U.S. History and one-half unit of U.S. Government.
FOREIGN LANGUAGE	2 UNITS	One foreign language.
FINE & PERFORMING ART	1 UNIT	Specifically from the areas of music, art or drama.

(FOR STUDENTS GRADUATING FROM HIGH SCHOOL PRIOR TO SEPTEMBER 1985)

ENGLISH.....	3 UNITS
HISTORY, CIVICS.....	1 UNIT
ALGEBRA I.....	1 UNIT
ALGEBRA II or GEOMETRY.....	1 UNIT
BIOLOGY, CHEMISTRY or PHYSICS.....	1 UNIT
OTHER SUBJECTS.....	9 UNITS

- . Coursework taken to make up deficiencies does not count toward the degree.
- . Deficiencies must be made up during the first 90 q.h. of coursework taken at YSU.
- . At least one course per quarter must be taken to remediate deficiencies.
- . No upper division courses may be taken until deficiencies are remediated.

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 THE FOLLOWING COURSES ARE DEPARTMENT OF HUMAN ECOLOGY PREREQUISITED TO THE CPD AND MUST BE COMPLETED BEFORE ADMISSION TO THE PROGRAM.

HMEC 550	Home Economics Profession....	2	__
FNUTR 551	Normal Nutrition 1.....	4	__
FNUTR 551L	Nutrition Laboratory.....	2	__
FNUTR 603	Diet Therapy.....	4	__
FNUTR 603L	Diet Therapy Lab.....	1	__
FNUTR 606	Food Science.....	4	__
FNUTR 606L	Food Science Laboratory.....	2	__
FNUTR 609	Food Systems 1: Operations...	4	__
FNUTR 611	Food Systems 2: Production...	2	__
FNUTR 611L	Food Systems 2: Laboratory...	3	__
FNUTR 618	Preclinical Skills.....	3	__
CHFAM 731	Individual and Family Dev....	4	__

COVER SHEET TO BE ATTACHED TO ALL REPORTS SUBMITTED TO THE ACADEMIC SENATE

Date March 17, 1994 Report Number (For Senate Use Only) 934-23

Name of Committee Submitting Report Academic Programs Committee

Committee Status: (elected chartered, appointed chartered, ad hoc, etc.) \_\_\_\_\_

Appointed chartered

Names of Committee members: G. Claypool, M. DeLost, J. Gergits, J. Gill-Wigal, R. Jones, A. Owens, J. Yemma, and R. Foulkes (ex officio)

Please write a brief summary of the report which the Committee is submitting to the Senate: (attach complete report) Academic Programs accepts the changes in the Drafting and Technology program.

Do you anticipate making a formal motion relative to the report? No

If so, state the motion: \_\_\_\_\_

If there are substantive changes made from the floor in your committee recommendation, would the committee prefer that the matter be sent back to committee for further consideration? Yes.

Other relevant data: \_\_\_\_\_

Julie M. Gergits  
Chair



Academic Programs Division

PD# \_\_\_\_\_ Date Rec'd \_\_\_\_\_

<p>___ Addition of a new program (Complete B, C)</p> <p>___ Deletion of an existing program (Complete A,C)</p> <p>___ Change in an existing program (Complete A,B,C)</p> <p>Program title _____ Department _____</p>
--

A. Describe the requirements of the program as it currently exists. (Attach additional sheets if necessary.)

See Attached

B. Describe the requirements of the proposed program. (Attach additional sheets if necessary.)

See Attached

C. Using as many additional sheets as are necessary, provide a rationale and estimate how this addition/deletion/change of program will impact upon the resources of departments other than the one originating the form (e.g. enrollments, frequency of support-course offerings, staffing, budgets, equipment, duplicate courses, etc.).

See Attached

Signatures:  
 Department Chairperson W. Bann Dean G. Shutt  
 Program Division Julia M. Kurita Senate \_\_\_\_\_



Youngstown State University  
Academic Programs Division

Page \_\_\_\_\_ Date Rec'd \_\_\_\_\_

Addition of a new program \_\_\_\_\_ (Complete A, C)

Deletion of an existing program \_\_\_\_\_ (Complete A, C)

Change in an existing program X \_\_\_\_\_ (Complete A, B, C)

Program title Drafting & Design Technology Department School of Technology

- A. Describe the requirements of the program as it currently exists.  
(Attach additional sheets if necessary.)

See Attached

- B. Describe the requirements of the proposed program. (Attach additional sheets if necessary.)

See Attached

- C. Using as many additional sheets as are necessary, provide a rationale and estimate how this addition/deletion/change of program will impact upon the resources of departments other than the one originating the form (e.g. enrollments, frequency of support-course offerings, staffing, budgets, equipment, duplicate courses, etc.).

See Attached

Signature

Department Chairperson

W. Burch

Dean

Acad. Div.

A. EXISTING

Youngstown State University  
College of Applied Science & Technology

Last Update

DRAFTING AND DESIGN TECHNOLOGY  
Associate Degree Program

Effective FALL, 1992


NAME \_\_\_\_\_ DATE \_\_\_\_\_ SOC. SEC. # \_\_\_\_\_

FIRST YEAR

SECOND YEAR

First Quarter	Hrs.	Fourth Quarter	Hrs.
ET 505 Elements of Engr Technology.....	4 ( )	DDT 606 CAD Technology II.....	4 ( )
*MATH 513 Intensive Inter Algebra.....	4 ( )	CET 607 Solid Mechanics.....	4 ( )
MECH 501 Engineering Drawing.....	3 ( )	CET 617 Construction Methods & Matls....	3 ( )
**Social Studies Elective.....	4 ( )	CET 617L Constr Methods & Matls Lab....	1 ( )
	15 ( )	MET 630 Manufacturing Techniques.....	3 ( )
		MET 630L Manufacturing Tech Lab.....	1 ( )
			16 ( )

Second Quarter	Hrs.	Fifth Quarter	Hrs.
DDT 605 CAD Technology I.....	4 ( )	DDT 603 Piping & HVAC CAD.....	4 ( )
ENGL 550 Basic Composition I.....	4 ( )	DDT 608 Machine Elements.....	4 ( )
MATH 520 Trigonometry.....	4 ( )	CET 611 Specifications & Estimating....	4 ( )
Science Elective.....	4 ( )	Technical Elective from CET, MET, DDT, EET or CIS.....	4 ( )
	16 ( )		16 ( )

Third Quarter	Hrs.	Sixth Quarter	Hrs.
DDT 560 Statics & Properties of Matls...	4 ( )	DDT 613 Electronic & Elect CAD.....	3 ( )
DDT 602 Civil & Architect Drafting.....	4 ( )	CET 612 Structural Design & Drafting....	3 ( )
HPE 590 Health Education.....	3 ( )	CET 612L Struct Design & Drafting Lab....	1 ( )
***SPCH 651 Comm for Business & Professions	3 ( )	MET 620 Tool Design.....	3 ( )
**Social Studies Elective.....	4 ( )	Math/Science Elective.....	4 ( )
	18 ( )	**Social Studies Elective.....	4 ( )
			18 ( )

(Advisor initial if not req'd or completed)

EPT: EDUC 510A \_\_\_ EDUC 510B \_\_\_ ENGL 520 \_\_\_ ENGL 540 \_\_\_  
BS DEF: ENGL \_\_\_ MATH \_\_\_ SCI \_\_\_ SOC SCI \_\_\_  
FOR. LANG \_\_\_ FEPA \_\_\_

TOTAL CREDIT HOURS — 99

\*Or Math 512, Inter Algebra (5 q.h.) - same content as Math 513 with more contact hours.

\*\*Social Studies Elective - select courses from: geography (excluding physical geography), psychology, sociology, social science, economics, black studies, history, or political science.

\*\*\*Or SPCH 652 (4 q.h.)

TRANSFER CREDIT EVALUATION

(X) designates courses completed by Transfer Credit from \_\_\_\_\_.

Evaluated by \_\_\_\_\_, date \_\_\_\_\_, Total Q.H. (X) \_\_\_\_\_.

**DRAFTING & DESIGN TECHNOLOGY**

PROGRAM COORDINATOR: Mr. James C. Zupanic  
PHONE: (216) 742-3288  
ADVISORS: Mr. J. Zupanic  
DEPARTMENT OFFICE NO.: #3065 Cushman Hall  
ADMISSION REQUIREMENTS: Algebra I and Geometry with "C" or better.  
GPA of 2.00 for transfer students. Transfer students with less than the 2.00 GPA admission requirement are encouraged to schedule an appointment with the Program Coordinator (mentioned above).

DEPARTMENTAL REQUIREMENTS FOR THE ASSOCIATE DEGREE

1. No more than 4 q.h. of "D" are allowed in Associate Degree major courses. Major courses consist of ~~ET 505, DDT 560, DDT 602~~ and all courses offered by the Engineering Technology Department and thus these courses may not be taken using the CR-NC grading option. A "C" or better is required in the following major courses: ~~ET 505, DDT 560, DDT 602~~ ET 505, DDT 560, DDT 602.
2. Must earn an overall point average of 2.00, "C", or higher to apply for the degree.
3. Transfer students are required to complete at least 21 hours of major departmental courses at YSU in order to qualify for an Engineering Technology or Computer Information Systems degree.

\*\*\*\*\*

The curriculum shown on the reverse side identifies the courses you must complete, in their proper sequence, to qualify for the Associate Degree. Since courses are offered in approximately the same order in which they are listed, great care must be taken in arranging your schedule for any given quarter. You are strongly urged to seek an advisor's assistance in scheduling so that you can make efficient and orderly progress toward your goal.

COURSE SCHEDULING PROCEDURE

1. DAY STUDENT: As soon as you receive a permit to register by mail, stop in for an appointment with your advisor (24 hours in advance).
2. NIGHT STUDENT: As soon as you receive a permit to register by mail, stop in to schedule an appointment with an advisor.

B. PROPOSED

Youngstown State University  
College of Applied Science & Technology

Last Update

DRAFTING AND DESIGN TECHNOLOGY  
Associate Degree Program

Effective FALL, 1993


NAME \_\_\_\_\_ DATE \_\_\_\_\_ SOC. SEC. # \_\_\_\_\_

FIRST YEAR		SECOND YEAR	
First Quarter	Hrs.	Fourth Quarter	Hrs.
ET 505 Elements of Engr Technology.....	4 ( )	DDT 606 CAD Technology 2.....	4 ( )
*MATH 513 Intensive Inter Algebra.....	4 ( )	CET 607 Solid Mechanics.....	4 ( )
HFE 590 Health Education.....	3 ( )	CET 617 Construction Methods & Mats.....	3 ( )
**Social Studies Elective.....	4 ( )	CET 617L Constr Methods & Mats Lab.....	1 ( )
	15 ( )	MET 630 Manufacturing Techniques.....	3 ( )
		MET 630L Manufacturing Tech Lab.....	1 ( )
			16 ( )
Second Quarter	Hrs.	Fifth Quarter	Hrs.
DDT 605 CAD Technology 1.....	4 ( )	DDT 603 Piping & HVAC CAD.....	4 ( )
MET 515 Mechanics I.....	4 ( )	DDT 608 Machine Elements.....	4 ( )
MATH 520 Trigonometry.....	4 ( )	CET 611 Specifications & Estimating.....	4 ( )
Science Elective.....	4 ( )	Technical Elective from CET, MET, DDT, EET or CIS.....	4 ( )
	16 ( )		16 ( )
Third Quarter	Hrs.	Sixth Quarter	Hrs.
CET 604 Properties & Strength of Mats..	4 ( )	DDT 613 Electronic & Elect CAD.....	4 ( )
DDT 602 Civil & Architect Drafting.....	4 ( )	CET 612 Structural Design & Drafting.....	3 ( )
Engl 550 Basic Composition I.....	3 ( )	CET 612L Struct Design & Drafting Lab....	1 ( )
***SPCH 651 Comm for Business & Professions	3 ( )	MET 620 Tool Design.....	3 ( )
**Social Studies Elective.....	4 ( )	Math/Science Elective.....	4 ( )
	18 ( )	**Social Studies Elective.....	4 ( )
			19 ( )

(Advisor initial if not req'd or completed)

EFT: EDUC 510A \_\_\_ EDUC 510B \_\_\_ ENGL 520 \_\_\_ ENGL 540 \_\_\_  
 HS DEF: ENGL \_\_\_ MATH \_\_\_ SCI \_\_\_ SOC SCI \_\_\_  
 FOR. LANG \_\_\_ F&PA \_\_\_

TOTAL CREDIT HOURS - 100

\*Or Math 512, Inter Algebra (5 q.h.) - same content as Math 513 with more contact hours.

\*\*Social Studies Elective - select courses from: geography (excluding physical geography), psychology, sociology, social science, economics, black studies, history, or political science.

\*\*\*Or SPCH 652 (1 q.h.)

TRANSFER CREDIT EVALUATION

(K) designates courses completed by Transfer Credit from \_\_\_\_\_

Evaluated by \_\_\_\_\_, date \_\_\_\_\_, Total Q.H. (K) \_\_\_\_\_

Remarks: \_\_\_\_\_

DRAFTING AND DESIGN TECHNOLOGY  
SCHOOL OF TECHNOLOGY

MAY  
DROP  
60 ✓

- C. The subject matter covered in DD560 Statics and Strengths of materials is covered more thoroughly in the two course sequence of of MET 515 Mechanics I and CET Properties and Strengths of Materials. The Drafting and Design program originally used this two course sequence before DD560 was added to the curriculum. After several years of attempting to keep the material condensed within one course we have decided it would be better to switch back. Due to a larger student base for the two course sequence the availability of the courses to students will be improved. Currently, if a student misses the once a year offering of DD560 it results in a long delay in program completion because DD560 is a prerequisite of other courses. Due to another recent change DD605 overlaps substantially with ME501 resulting in an opportunity to switch to the two course sequence. The number of students in the program is small compared to the student base for ME501 so the effect will be minimal. An increased emphasis will be placed on recommending ME500 for students with weak backgrounds.