

**ACADEMIC SENATE MINUTES**

**MAY 5, 1993**

**RECEIVED**

MAY 11 1993

OFFICE OF THE PROVOST

**CALL TO ORDER**

Virginia Phillips, Chair, announced a quorum and called the meeting to order at 4:01 p.m.

The Chair introduced Deborah Helt, who will serve as Student Secretary under the direction of the Chair for the May and June Senate meetings. Senators were asked to use the microphone and identify themselves to enable the secretary to accurately record the proceedings.

**MINUTES OF APRIL 7, 1993**

It was noted that there was an incorrect name in the minutes. The comments on the top of page 7 should be attributed to G. Mapley rather than W. Young.

**Motion to Approve Minutes**

D. Rost moved that the April 7 Minutes be adopted as corrected. The motion was seconded by S. Husain. Motion Passes.

**REMARKS BY CHAIR**

The remarks made at the April Senate meeting were a bit disconcerting. I think I heard that YSU is not a bona fide university and will not be one until we hire certain individuals into the highest positions. As a member of one of the groups mentioned, I feel compelled to respond.

Youngstown State University is a bona fide university. It is a good place for students to study to launch careers. Certainly it can become better; and with the recent changes in structure and staff, I am confident it has the potential to build even stronger and better programs. But we can be justifiably proud of who we are and what we do.

I personally know of two Williamson graduates with a major in accounting who passed the CPA examination on the first attempt. Another recently made the highest score on the CPA exam. Another Williamson accounting graduate is Manager for Auditing for the ECM and Pacific Rim for Eaton Corporation. My son and brother are both graduates from the Engineering College. My son recently competed successfully with other candidates from big name universities for an engineering position with Westinghouse; my brother is a manager of Engineering Services at Joy and has worked on many national projects. CAST (now dearly departed) graduates in the Information Processing area have been placed in positions from Los Angeles to Atlanta; from Cleveland to Dallas; a two-year graduate typically makes \$18,000 to \$30,000. In January, I talked to a former YSU Information Processing major who had an income that exceeded mine last year. Dana graduates enjoy a fine reputation -- I regularly enjoy the many fine musical and theater productions produced by faculty and students. This is not intended to slight the other colleges and programs. These are just instances of quality of which I have first-hand knowledge.

Our students have many outstanding characteristics. Throughout my tenure as a student and a faculty member, over 50 percent of our students have held part-time or full-time jobs. Currently, our

student population is about 30% nontraditional students--many have families and jobs and attend school -- part time or full time. When I was faced with the unexpected task of preparing the April Minutes, two of my nontraditional students willingly agreed to work until 10 p.m. on Thursday and again on Good Friday for another four hours to help get the job done. This is my typical experience with YSU students. They go the extra mile.

Youngstown State University can and should be proud of our heritage -- for the quality education we have provided area residents, many first-generation college students, that has prepared them to excel in their chosen careers.

Regarding the second point (that is, we will not be a bona fide university until the highest level positions have representation from minority groups), YSU will become a better university if we always select the most qualified individual who has the characteristics needed at a certain point in our history to fill any and all positions, regardless of gender, race, religion, or any other characteristic. All should be given an equal opportunity to compete for the positions; perhaps, we should even make an effort to attract individuals from groups who are not currently represented; however, the best qualified individual should always be chosen. Women do indeed take a step and a half back for every two steps forward when an incompetent and/or unqualified woman is hired into a position primarily because she is female. I want equality; but I do not want a position unless I meet the job qualifications and can perform capably -- and, hopefully, better than anyone else who applied. I am a professional educator and my desire is to work with professional educators to accomplish the mission identified for YSU. Gender should be of no importance.

### **MOTION TO CHANGE THE ORDER OF BUSINESS**

S. Husain moved to change the order of business to move Agenda Item 923-7 Academic Programs Committee Report under Unfinished Business so that it appears after the Senate Executive Committee Report. Motion seconded by W. Barsch.

The Chair noted the motion required a 2/3 majority to pass. Question called. Chair ruled the motion carried.

#### **Call for Division**

R. Tabak called for division. The count resulted in 47 votes for the motion and 9 votes against the motion. Motion Passes.

### **ELECTIONS AND BALLOTING COMMITTEE REPORT**

K. Feld reported. Senate elections are in progress. Elections are being conducted based on the University structure that is to become effective July 1, 1993. At-large Senator elections have been completed. A list of elected Senators is appended as Appendix A. The Elections and Balloting Committee report for June will contain a complete list of the results of all Senate elections.

## **CHARTER AND BYLAWS COMMITTEE REPORT**

M. J. Beaubien reported.

The proposed changes reflect changes made necessary by the changes in University structure.

### **Motion to Approve Recommended Changes to Bylaws 4 and 5**

M. J. Beaubien moved the changes to Bylaws 4 and 5 as found on page 3 of the Agenda. Motion seconded by B. Brothers. Motion Passes.

## **SENATE EXECUTIVE COMMITTEE REPORT**

There have been two Senate Executive Committee meetings since the last Senate meeting.

### **Actions approved and discussion items for the April 19 meeting**

- Duane Rost will be acting Vice Chair for the rest of the 1992-1993 Senate term.
- A student secretary for the Senate (Deborah Helt) will be handling secretarial duties under the supervision of the Chair.
- Minutes of future meetings will be abstracted unless a disk or paper copy of the text is submitted.
- Committee selection packet is to be mailed April 22 -- faculty asked only to identify Senate Committees - the administrative committee structure is under review and will be revised; it is expected that the revised list will be available near the end of the summer quarter. Another form for Administrative Committees will be distributed at the beginning of the fall term and the Senate Executive Committee will try to meet prior to the first Fall Senate meeting to make recommendations for selections to Administrative Committees. (My apologies to all department heads. A mailing list was requested at the same time as the faculty list; but it became obvious when the SEC started the appointment process that department heads had not received a scan sheet. The student secretary has been calling all department heads to compile a list of department head names to add to the computer generated list for faculty.)
- Senate Committee Chairs have been asked to forward a set of all minutes for the academic year so that I can make certain that the folders for the Chair and the Secretary are complete. The Library should also be getting a copy of all minutes. If you are chair of a committee and have not mailed copies of the minutes to the Library, please do so.
- Eliciting more student participation in Senate and Senate Committee activities was discussed; I've talked with nontraditional students and Centurions asking them to encourage students to volunteer their names to student government to serve on committees and/or to run for Student Senator seats.

Actions taken at the May 4 meeting

- o The Senate Committee appointment process was initiated. We plan to complete the process next Monday. Appointees will be notified by mail. Anyone who indicated a willingness to serve but not appointed will receive a letter asking them to respond to scan sheet request for administrative committees.

The Chair expressed her thanks to R. Jones who provided the program for the computer analysis of the scan sheets and who ran interference in an attempt to locate the printed results. Thanks were also expressed to John and Steve in Computer Center Production for their help in getting a second print out from the scan sheets on short notice after the original print out was "lost" in the university circulation process. The spirit of cooperation exhibited by the staff in helping the Chair resolve problems the past month is very much appreciated.

The deadline for June Senate Agenda is May 20. Please deliver items to Room 305 or 334 in Meshel Hall -- I am rarely in Cushwa Hall. If you mail it, send it to Virginia Phillips, Room 3077, Cushwa Hall. If you anticipate any problems meeting the deadline, please call the Chair at X1458.

Report from Faculty Advisory Committees to the Chancellor

D. Rost reported.

Several quotes were presented regarding the present debate on an increase in faculty undergraduate teaching work load. There must be successful efforts at getting the word out about the positives of higher education and there must be more data and more measurable results. The complete report (please read it -- it is important for everyone on campus) is found in Appendix B on page 15 of the Minutes. If anyone has questions, please contact Dr. Rost. He has 26 pages of notes and highlights of the meetings that have been held.

**ACADEMIC PROGRAMS COMMITTEE REPORT - ITEM 923-7**

The Chair noted that it would be necessary to have a motion to take from the table before discussion could proceed.

Motion to Take From the Table

F. Owen moved to take Item 923-7 from the table. The motion was seconded by D. Ruggles.  
Motion Passes.

Motion to Amend

D. Mincey moved to amend the original motion which was to change the name of the Civil Engineering Department to Civil and Environmental Engineering to include all program changes as found on the supporting documents in the April Agenda. Motion seconded. Motion to Amend Passes.

The Chair noted that discussion had taken place at the April Senate meeting and that Civil

Engineering and Physics would present summaries. Dr. Bakos and Dr. Martin will summarize for Civil Engineering. Dr. Young will summarize for Physics. Five minutes will be allotted for each department to summarize. The parliamentarian has ruled that the Civil Engineering summary should be presented first.

Dr. Bakos--There is no complaint with the Physics courses. The issue is not whether Physics is good or bad. We think that to change our curriculum to an Environmental option we have found a better solution. We have to walk a fine line between accreditation requirements and to try to keep our programs current and to attract new students. The Civil Engineering program has been accredited since 1950. We have one accrediting agency, ABET, to chastise and criticize. We have had a history of excellent relationships with our accrediting agency and we feel that we will continue to do so. All we are asking is your confidence to allow us to make choices with respect to our own curriculum.

Dr. Martin--A document was shown on the overhead projector (see Appendix C for a copy of the document). What we are proposing is to add basic science quarter hours to our curriculum and not to subtract. Dr. Young, at the April meeting, used the analogy of a house and said we're trying to build a bigger roof while eroding the foundation of our program. We do not consider adding basic science to be an erosion of our foundation; we're making the foundation stronger. Direct your attention to the screen. Please disregard the first half of page 21 of your Agenda; it is riddled with errors; this is the real story. We are not adding 16 hours; we are adding 8 hours of environmental courses. This is a modest but significant improvement in our program. Finally I'd like to point out that in my time at YSU I've been involved in the development of an Environmental Science minor and four proposed bachelor degree programs in environmental studies. I have worked with a dozen different departments. Never once do I recall Physics stepping forth to offer any suggestions on those programs. This leads me to question their sincerity in now coming forth to propose changes in our Environmental curriculum.

Finally, I feel that we have reached an absurd level when one department can start redesigning another department's curriculum for them. I urge you all to consider how you would feel if another department came in and tried to impose changes on your curriculum. If the Senate allows the Physics Department to dictate curriculum changes to Civil Engineering, then a very dangerous precedent will have been set.

Dr. Young--Several documents were shown on the overhead projector (see Appendix D for copies of the documents). Physics and Engineering here at Youngstown State University and throughout the United States have a close and special relationship and I trust that relationship will continue regardless of what course we decide on today. At the last meeting, Dean Sutton referenced changes made at schools where he had been employed. A search of the current bulletins of those schools show that all these schools have 12 or more quarter hours of Physics in their Engineering programs. The only program with less than 12 quarter hours is Agricultural Engineering at Michigan State University and even an agricultural engineer takes as much Physics as our Civil Engineers do here and more than will be required in the Environmental Engineering program. (Comparisons were presented between the content of physics courses and the questions found on the exams.) The test subject areas sound like the table of contents in a physics text book. Tables from the test manual use similar illustrations and tables as those found in Physics texts. A basic question is "Should Physics be taught by Engineering faculty or by Physics faculty?" On this campus, Biology takes 12 quarter hours of Physics; Chemistry takes 14; Geology takes 8, PreMed takes 12. All Engineering majors require 12 or more except for Civil Engineering. Now the Civil Engineering Department says they should be able to control their curriculum and normally I agree completely; but when you propose doing something which breaks drastically from tradition across

academia here in the state of Ohio and across the United States, then I think the question should be looked at in a different light than a normal curriculum problem.

Motion to Amend to add Physics 610 to the Course Requirements for the Environmental Program

R. Tabak moved to add Physics 610 to the list of required courses for the Environmental Program in Civil Engineering. The motion was seconded by W. Young.

J. Bakos--The Physics Department is telling us what courses we should have in our program. This sets a dangerous precedent. Why hasn't Physics complained to ABET about our programs during previous accreditation visits?

W. Young--You said I hadn't complained to ABET that you weren't taking enough Physics. I try to cooperate with you as much as possible and I'm not going to air our dirty linen in public. The one complaint I have made is that Engineering students don't take our labs. Apparently, some one did recommend students take more labs because you assigned us more.

D. Rost--I have a statement from Dean Sutton that he has asked me to read into the Minutes.

See Appendix E for the copy of the letter sent from Dean Sutton to the Academic Senate and read by Dr. Rost.

C. Pierce called the question. Chair ruled the Amendment to the Motion Defeated. R. Tabak called for division. The hand vote count resulted in 8 votes for and 48 votes against the amendment to the motion. Motion to Amend Defeated.

C. Pierce called the question. Motion Passes.

**UNIVERSITY CURRICULUM DIVISION COMMITTEE REPORT**

Dr. Haggerty, the Chair, has indicated there is no formal report. The courses are appended for your information as required by the Charter and Bylaws.

**HONORS AND ICP COMMITTEE REPORT**

T. Copeland reported.

There has been no major change in the Honors Program since 1983, and the changes that I am suggesting today will be quite minor. Even in June we do not anticipate making major alterations. We want to activate the current program and allow it to evolve under the direction of an administrator given release time for this work. We are in no way dissatisfied with Dean Sutton as Honors Director, but the amount of work required for a major overhaul is too great for any person—deans or committee members—to do on the side. Only someone whose job it is to direct the program's development—working with the committee—will be able to devote to this project the kind of time and energy that it requires.

Meanwhile, however, we have a serviceable program in place, and we can do some fine tuning today.

- I. What current honors program consists of (for the Baccalaureate degree): a minimum of 40 q.h. of Honors credit (not more than 20 q.h. per year)
  - A. Interdisciplinary work: at least 4 Honors Seminars, 2 required in upper division (601/2/3, 2 q.h. each; 701/2/3, 3 q.h. each)
  - B. Focused work in major (12 of the 40 hours)
  - C. Free distribution of other Honors hoursBoth B and C can be fulfilled by
  - Honors Courses: special sections of established courses, taught occasionally within some departments
  - Contract Honors Courses: regular courses in which the student and instructor agree on extra work, for the student to receive honors credit for the course(No senior project, no required distribution of the 7-8 hours not in the major)

In spite of the freedom this program permits, it has lain almost dormant. No one has received the Honors Degree since it was invented in 1983. Contract Honors courses have not fulfilled their promise, and there has been insufficient incentive to complete the program.

- II. What it will take to "activate" it
  - A. More courses
  - B. More students
  - C. A paid administrator
- III. What to do about it
  - A. Solicit new courses: The first duty of the Honors Director is to meet with chairs and request proposals for the Honors and ICP Committee to consider.
    1. Many more Honors Seminars, including some at 4 q.h. each, and including interdisciplinary courses, some team-taught by faculty from different departments
    2. Honors Courses
      - a. Basic skills courses, similar to the Critical Thinking and Study Skills course being offered in 1993-94 for the University Scholars.
      - b. Special sections of courses at all levels, in most departments. At present, very few departments offer any Honors sections at any level.
      - c. New lecture courses dealing with material at a level appropriate for Honors students. These may be either broadly inclusive or tightly focussed, depending on the subject.
    3. Independent study/experiential learning/directed readings: a format should be available for students to get academic credit for honors-level study outside the traditional classroom.
  - B. Get students into the program
    1. Another duty of Director: Recruitment
    2. Redefine eligibility to include first-quarter freshmen, not now eligible according to the YSU Bulletin.

Motion to Change Criteria for Entrance into the Honors Program

T. Copeland moved "In addition to the current criteria for entrance into the Honors Degree Program, the following rules will apply to first-quarter freshmen:

- a. University Scholars, who apply to the program as a condition of their scholarships, will be accepted automatically.
- b. Presidential Scholars will be accepted into the program automatically upon application.
- c. Students in both the top 15% of their graduating class and the top 15% of students taking the ACT or SAT will be accepted into the program automatically upon application.
- d. Students in either the top 15% of their graduating class or the top 15% of students taking the ACT or SAT will be encouraged to apply to the program. (The application will lead to an interview with the Honors Director, at which other relevant data such as a portfolio of work could be examined.)"

The motion was seconded by K. Feld. Motion Passes.

3. Additional prerequisites
  - Special Honors Degree is insufficient alone.
  - For starters, priority registration.

Motion for Early Enrollment for Honors Students

T. Copeland moved that "All students formally enrolled in the Honors Program may register for courses at the same time as athletes and students employed on campus."

Motion seconded by D. Ruggles. Motion Passes.

- C. In June we will report on the job description of the proposed director or directors of the Honors Program.

**UNIVERSITY SCHOLARS PROGRAM TASK GROUP REPORT**

Dr. Stephan reported for the Chair, G. Kombluth.

You have all heard about the new scholarships being offered here for the first time in 1993-94, giving entering students with high ACT scores full financial support. Many qualified students have applied for this program, and a full complement of 40 will be coming here in the Fall, augmented by some who did not receive the special scholarships but have nonetheless chosen YSU. They are coming here in the expectation that a fully functional University Scholars program will be available to them. Some have already registered for the Fall, under the EARLY Program.

At the end of January, a task group was formed by Provost Jim Scanlon to design and implement guidelines for such a program. Group members are Leslie Domonkos, Ronald Gould, Genevra Kornbluth, Howard Mettee, Daniel O'Neill, David Ruggles, and Sandra Stephan.



Our group was charged with developing complex guidelines in an extremely short time. As we have attempted to do so, we have been very conscious of our limited authority: not being a duly constituted committee of the Senate, we could not approve new courses or set in place any continuing program. We have therefore designed a set of guidelines that will have force for one year only (1993-94), that follow the established norms of current YSU programs as far as possible and that include only courses already listed in the YSU inventory.

Since our time was so limited, we were unable to call for proposals from the full faculty, and instead took informal suggestions from as many individuals as we could contact. This generated a list of courses that seemed well suited for exceptional students. We have organized that list to provide (during each quarter) courses in each of the major areas of study: humanities, social studies, and science/math. These courses are being offered to the University Scholars and other Honors students, generally in special sections so that teaching can be tailored for them. A schedule is appended to this report (see Appendix F). We hope that a general call for other course proposals will soon be circulated, to go through normal channels and establish a continuing curriculum.

Our recommendations for registration are as follows. University Scholars are to complete a basic course in Critical Thinking and Study Skills (Honors 601, originally developed for the BS/MD students), and English composition 550/551. No other specific courses are mandated, but students should take at least one special-section course from each area of the designated list (humanities, social studies, science/math). They will take a minimum of 26 hours in special courses during their first year. The remaining half of their hours may be taken in any YSU courses.

We have made several suggestions for other components of the University Scholars' first-year experience. These should include formal orientation, mentoring, service to the community, "co-curricular" activities such as a debate society or concert attendance. Concrete proposals will come before you over the next year, and we hope that you will help to refine and supplement our suggestions. We have sent a resumé of the 1993-94 arrangements to the Senate Committee on ICP/Honors, along with an outline of other ideas generated during our occasionally heated meetings, to be considered as they develop an ongoing program for the University Scholars. Summaries are also being sent to the Senate Committees on Planning, Programs, and Curriculum development. We welcome all comments from the university community at large.

It is our hope that the guidelines we have developed will provide incoming students with a positive introduction to YSU.

### **ACADEMIC PROGRAMS COMMITTEE REPORT**

The proposals found in the Addendum to the Agenda under Programs Committee are for your information. The proposals have been reviewed and approved according to the established University procedures.

Dr. Mincey will provide a short summary of the approved changes.

The mathematics component in the A.B. and B.S. programs in Mathematics has been increased from 52 to 54 credit hours. There is a minor change in the B.S. and B.A. degree programs in Geology. Changes were approved in the Home Economics Merchandising: Fashion and Interiors and Dietetic Technology programs.

**UNFINISHED BUSINESS**

None.

**NEW BUSINESS**

None.

**ADJOURNMENT**

C. Pierce moved the meeting be adjourned. Motion seconded by several Senators. The Chair declared the meeting adjourned at 5:30 p.m.

Minutes prepared by:

Deborah Helt, Student Secretary  
Virginia Phillips, Chair

# ATTENDANCE SHEET

Academic Senate, 1992-1993

DATE: May 5, 1993

## APPLIED SCIENCE AND TECHNOLOGY

At-Large

William Barsch  
 Maria Delost  
 Steven Gardner  
 Anthony Messuri  
 Virginia Phillips

WB  
 SRG  
 APM  
 T

Departmental

\*Kathlynn Feld, A. H.  
 \*\*Robert Campbell, B.E.T.  
 \*\*C. Allen Pierce, Crim. Justice  
 \*Donald Slanina, Eng. Technology  
 \*Janice Elias, Home Economics  
 \*\*Marsha Kuite, Nursing

Kef  
 RC  
 DS  
 DE  
 MK

## ARTS AND SCIENCES

At-Large

Samuel Floyd Barger  
 Fred Blue  
 Paul Dalbec  
 Hugh Earnhart  
 William Jenkins/Linda Tessier  
 Friedrich Koknat  
 Lowell Satre  
 Sandy Stephan  
 Ronald Tabak  
 John White

SB  
 FB  
 PD  
 HE  
 WJ  
 FK  
 LS  
 ST  
 RT  
 JW

Departmental

\*John Usis, Biology  
 \*\*James Mike, Chemistry  
 \*Taghi Kermani, Economics  
 \*\*Bege Bowers, English  
 \*Mary Loud, Foreign Languages  
 \*Thomas Maraffa, Geography  
 \*\*Ikram Khawaja, Geology  
 \*Richard Walker, Health & Physical Educ.  
 \*\*Martin Berger, History  
 \*Stephen Rodabaugh, Math and Comp. Sci.  
 \*\*Stanley Browne, Philosophy & Religion  
 \*William Sturuss, Physics and Astronomy  
 \*\*David Porter, Political Science  
 \*Nancy White, Psychology  
 \*\*Beverly Gartland, Sociology, Anthrpology

JU  
 JM  
 TK  
 BB  
 ML  
 TM  
 IK  
 RW  
 MB  
 SR  
 WS  
 DP  
 NW  
 BG

## BUSINESS ADMINISTRATION

At-Large

Daniel Borgia  
 James Daly  
 Rammohan Kasuganti  
 Jane Reid  
 Eugene Sekeres  
 Homer Warren

DB  
 JD  
 RK  
 JR  
 ES  
 HW

Departmental

\*Inez Heal, Accounting  
 \*Clement Psenicka, Management  
 \*\*David Burns, Marketing

IH  
 CP  
 DB

## EDUCATION

At-Large

Peter Baldino  
 Susan deBlois

PB  
 SB

Departmental

\*Janet Beary, Elementary Education  
 \*\*Ed Tokar, Foundations  
 \*\*Sherry Martinek, Guidance & Counseling  
 \*\*Louis Hill, Administration  
 \*\*M. Dean Hoops, Special Education  
 \*Donna McNierney, Secondary Education

JB  
 ET  
 SM  
 LH  
 MH  
 DM

+Effective:

September 30, 1992

\* First year of two-year term  
 \*\* Second year of two-year term

ENGINEERING

At-Large

Martin Cala  
Duane Rost

*MC*  
*DR*

Departmental

\*\*Soon-Sik Lim, Chemical Engineering  
\*\*Shakir Husain, Civil Engineering  
\*Phil Munro, Electrical Engineering  
\*Hojjat Mehri, Industrial Engineering  
\*Les Smith, Mechanical Engineering

*SL*  
*SH*  
*PM*  
*JWM*

FINE AND PERFORMING ARTS

At-Large

Michael Crist  
Joe Edwards  
Darla Funk  
Les Hicken  
Larry Hugenberg  
Tedrow Perkins  
Bill Slocum

*MC*  
*JE*  
*DF*  
*LH*  
*LH*  
*LP*

Departmental

\*Susan Russo, Art  
\*Steve Ausmann, Music  
\*\*Frank Castronovo, Speech and Theater

*SR*  
*SA*  
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STUDENTS

At-Large

Julie Allshouse  
John Durkin  
Megan Matthews  
John Woodall  
Jaida Brady

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*JW*

School/College

Mary Durbin, Education  
Sharon Texter, Performing Arts  
Brend Dorazio, Business  
Jerry Barnett, CAST  
Sharyn Campbell, Arts and Sciences  
Jason Fleming, Engineering  
Mike Graham, Graduate School

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Ex-Officio

Bill Burley, Pres., Stu. Gov.  
Pat Billett, V. Pres., Stu. Govt.  
Dave Hall, Second V. President

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ADMINISTRATION

James Cicarelli  
Gordon E. Mapley  
David P. Ruggles  
James Scanlon  
George E. Sutton  
David Sweetkind  
John J. Yemma

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*GEM*  
*DR*  
---  
*GS*  
*DS*

Barbara Brothers  
Shirley A. Carpenter  
Robert Beebe  
David C. Genaway  
Charles A. McBriarty  
Richard A. McEwing  
Alfred W. Owens II  
Harold Yiannaki

*BBS*  
*SC*  
*RB*  
*DCG*  
*CMB*  
*RAM*  
*AWO*  
*HY*

\*First year of two-year term  
\*\*Second year of two-year term

senrost.923/dallas  
revised 4/15/93

**INTER-OFFICE CORRESPONDENCE**

**TO:** Virginia Phillips, Chair, Academic Senate  
**FROM:** Kathylynn Feld, Chair Senate Election and Balloting  
**DATE:** 5/3/93  
**RE:** Election and Balloting Report

I. Election results for At-Large Senator for 1993-1994.

Williamson College of Business Administration

James Daly  
Donald Hovey  
Jane Reid  
Eugene Sekeres  
Virginia Phillips  
Robert Campbell

College of Engineering and Technology

William Barch  
William Wood

College of Health and Human Services

Patricia McCarthy  
Diane McDougal  
Joseph Mistovich  
John E. Neville

College of Arts and Sciences

Samual Barger  
Frederick Blue  
Bege Bowers  
Paul Dalbec  
Hugh Earnhart  
Gratia Murphy  
Sandra Stephan  
Ronald Tabak  
Linda Tessier

College of Education

Lawrence J. Haims  
Colleen S. Stump

College of Fine and Performing Arts

David Robinson  
William Slocum  
Stephen Ausmann  
Michael Crist  
Darla Funk  
Lawrence Hugenberg

- II. Departmental Senator Elections are in process.
- III. Election for members for the Election and Balloting Committee are being held for the following colleges.

Engineering and Technology  
Fine and Performing Arts  
Health and Human Services

- IV. Election of the College Representative to the Senate Executive Committee will be held for Education, Engineering and Technology.

All election results will be presented at the June senate meeting.

Faculty Advisory Committee to the Chancellor, Ohio Board of Regents

Report of Meeting May 5, 1993.

Duane Rost

Quoting from a letter to Chancellor Hairston from Vern Riffe, the Speaker, Ohio House of Representatives:

"Of the higher education issues that come to my attention, the one I hear the most about, from constituents, members of the General Assembly and even from people within higher education, is faculty teaching loads. There is a widespread belief that individual faculty members should be teaching more and that much more emphasis should be placed on teaching of undergraduate students than we are currently seeing. Many members of the General Assembly are wanting to deal with this issue themselves and to do so in the current budget bill. I am in agreement that significant changes need to occur but before we move to adopt our own solutions, I am offering you the opportunity to give me your thoughts, including budget language."

The language in House Bill 152 states in part,

"On or before Sept. 1, 1993, the Ohio Board of Regents shall develop standards for instructional workloads, with special emphasis on undergraduate teaching. The standards shall contain clear guidelines for state-assisted colleges and universities as to the range of acceptable undergraduate instruction. In developing these standards, the board shall ensure a minimum of a ten percent increase in actual undergraduate classroom teaching time by full-service faculty, to be achieved no later than the fall term, 1994. Each state-assisted college and university shall develop or revise a faculty workload policy that is consistent with these standards, with special emphasis on undergraduate teaching."

There has been, is going on, extensive discussion on this point, its reasons for existence, its meaning, its implications. The reason seems to be that there is a perception that the full-time faculty are not spending enough time in the undergraduate class room. The implication is that there will be sufficient pressure applied so that they (full-time faculty) will spend 10% more time in "... undergraduate classroom teaching."

Wherein that 10% would come from reductions in filling out forms, administrative duties, and committees, that might seem okay. Wherein that 10% would come from research and other scholarly endeavors, that would be arguable. But the broad-brush sweep seems to be implying 10% more class time by everybody!

There is discussion of applying the 10% to each institution individually or to consider it a state-wide requirement. When the words "state-wide" are uttered, everyone gives a sigh of relief and thinks this only applies to the other schools. But if the two-year schools, the tech and branch

campuses and the community colleges, and the full-time classroom teachers who do not have research efforts to move from, and thus are not impacted by this move, where are there enough hours to meet the 10% increase without added loads? There aren't.

Quoting Chancellor Hairston again, "Nobody questions that the faculty don't work hard." The pressures are: 1) more students, and 2) not sufficient resources. Therefore there is the question of, "What can be done, what can be achieved reasonably, not as radically as at some other states? Are there ways to find a better balance? Over the last 10 years there has been a loss of some 10% in classroom time, can that be restored?"

Where and how this shakes down, I don't know.

We also met with Dr. William Napier, Vice-Chancellor for External Affairs, for an extended period in the morning. He covered the interface to the legislature. "What is the hot topic in the legislature on Tuesday? Dove season. We wish we could get as many letters and calls and response to higher education issues as the dove season." Also quoting Dr. Napier, "The legislature has a distorted impression of the faculty role. We must do positive things or will see the General Assembly constantly pushing. There are strong feelings here."

There must be more successful efforts at getting the word out about the positives of higher education. Also there must be more data and more measurable results. Toward that topic, we met with Rich Petric, a new staff member, who is working on a new computer-based Unified Information System. The initial function is to better track the student's progress within and throughout the Ohio system. A second function will be to develop better data to describe the activities in Higher Education. We talked at length on some of the details and became more aware of the enormity of the task.

I have briefly listed from my 26 pages of notes, some "highlights" of the meetings. I would be most happy to talk with you or your colleagues individually or in groups to share concerns, goals and dreams on the State-wide level.



## COMPARISON OF ENVIRONMENTAL COURSE CONTENT

<u>PRESENT ENV. OPTION<sup>1</sup></u>	<u>PROPOSED ENV. OPTION</u>
CE 717 - Hydraulics	CE 717 - Hydraulics
CE 736 - Environmental Eng. 1	CE 736 - Environmental Eng. 1
CE 751 - Water Qual. Anal. 1	CE 751 - Water Qual. Anal. 1
CE 775 - Hydrology	CE 775 - Hydrology
CE 836 - Environmental Eng. 2	CE 837 - Environmental Eng. 2
CE 884 - Solid & Haz. Waste Mgt.	CE 884 - Solid & Haz. Waste Mgt.
CE 877 - Systems Engineering	ChE 820 - Indus. Poll. Control
Required Basic Science - 20 QH	CE 883 - Design Water & WW Sys.
Basic Science Elective - 4 QH	Required Basic Science - 20 QH
-----	Basic Science Electives - 8 QH
	-----
TOTALS:	TOTALS:
Engineering - 28 QH	Engineering - 32 QH
Basic Science - <u>24 QH</u>	Basic Science - <u>28 QH</u>
52 QH	60 QH

1 - Assuming student takes all recommended electives for specialization in Environmental Engineering.

## PHYSICS REQUIREMENTS IN ENGINEERING PROGRAMS IN SEVEN SELECTED UNIVERSITIES

*University of Arizona:*

## College of Engineering and Mines:

Aerospace Engineering:	12 q.h.
Agricultural & Biosystems:	15 q.h.
Chemical Engineering:	15 q.h.
Civil Engineering:	15 q.h.
Computer Engineering:	15 q.h.
Electrical Engineering:	15 q.h.
Geological Engineering:	15 q.h.
Industrial Engineering:	15 q.h.
Materials Engineering:	12 q.h.
Mechanical Engineering:	15 q.h.
Mining Engineering:	12 q.h.
Nuclear Engineering:	19.5 q.h.
Optical Engineering:	24 q.h.
Systems Engineering:	15 q.h.
Engineering Mathematics:	15 q.h.
Hydrology:	15 q.h.

*Arizona State University:*

## College of Engineering:

Chemical & Biological Engineering:	12 q.h.
Materials Engineering:	16.5 q.h.
Civil Engineering:	12 q.h.
Computer Science:	12 q.h.
Electrical Engineering:	16.5 q.h.
Industrial & Management Systems:	12 q.h.
Mechanical & Aerospace Engineering:	16.5 q.h.

*University of Florida (Gainesville):*

## College of Engineering:

Aerospace Engineering:	12 q.h.
Engineering Science:	16.5 q.h.
Agricultural Engineering:	12 q.h.
Chemical Engineering:	12 q.h.
Civil, Surveying & Mapping:	21 q.h.
Computer & Information Science:	12 q.h.
Electrical Engineering:	12 q.h.
Environmental Engineering Science:	12 q.h.
Industrial & Systems Engineering:	12 q.h.
Materials Engineering:	12 q.h.
Mechanical Engineering:	12 q.h.
Nuclear Engineering:	16.5 q.h.

**Marshall University:**

College of Science, Department of Engineering (pre-professional program only):

All Engineering Curricula: 15 q.h.

**Michigan State University:**

College of Engineering:

Agricultural Engineering:	8 q.h.
Chemical Engineering:	12 q.h.
<u>Civil Engineering:</u>	<u>12 q.h.</u>
Computer Science:	12 q.h.
Electrical Engineering:	20 q.h.
Foods Engineering:	12 q.h.
Materials Sciences:	12 q.h.
Mechanical Engineering:	12 q.h.
Metallurgy:	12 q.h.

**University of Nevada (Reno):**

College of Engineering:

<u>Civil Engineering:</u>	<u>12 q.h.</u>
Electrical Engineering:	16.5 q.h.
Mechanical Engineering:	12 q.h.

**University of West Virginia (Morgantown):**

College of Engineering:

Aerospace Engineering:	12 q.h.
Chemical Engineering:	12 q.h.
<u>Civil Engineering:</u>	<u>12 q.h.</u>
Computer Sciences:	12 q.h.
Electrical Engineering:	12 q.h.
Industrial Engineering:	12 q.h.

**Notes:**

1. Semester hours have been converted to quarter hours (1 s.h. = 1.5 q.h.)
2. Average number of hours in all programs: 13.2 q.h.
3. Minimum number of hours in any program: 8 q.h. (one program, Agricultural Engineering).
4. Maximum number of hours in any program: 24 q.h. (one program).
5. **98% of the programs** (all but one) require **at least one full year** of physics; the exception, Agricultural Engineering at Michigan State, requires two quarters.

# FET MANUAL

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# FET MANUAL SUMMARY

## Rotational motion

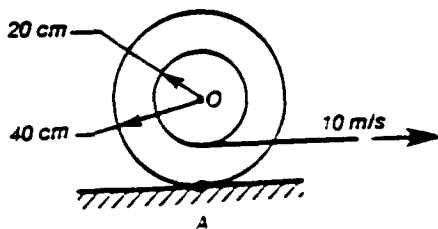
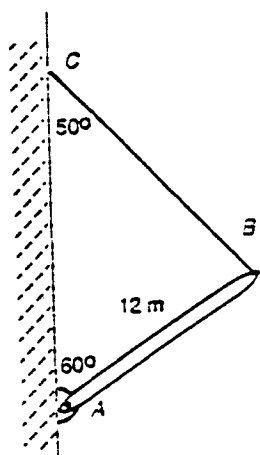
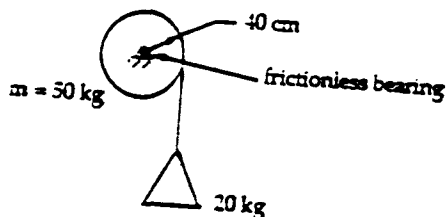
$$\omega = \frac{d\theta}{dt} \quad \alpha = \frac{d\omega}{dt} = \frac{d^2\theta}{dt^2}$$

$$\omega = \omega_0 + \alpha t$$

$$\theta = \omega_0 t + \alpha t^2 / 2$$

$$\omega^2 = \omega_0^2 + 2\alpha\theta$$

## FET PROBLEMS



# PHYSICS 610 TEXT SUMMARY

## REVIEW AND SUMMARY

To describe the rotation of a rigid body about a fixed axis, we define *angular position*  $\theta$ , *angular displacement*  $\Delta\theta$ , *angular velocity*  $\omega$ , and *angular acceleration*  $\alpha$ . Angular velocity and angular acceleration are defined as

$$\omega = \frac{d\theta}{dt} \quad \text{and} \quad \alpha = \frac{d\omega}{dt} \quad (5.7)$$

If  $\theta$  is measured in radians, its measure is defined to be

$$\theta = \frac{s}{r} \quad (\text{radian measure}) \quad (6)$$

Radians are related to other angular measures by

$$1 \text{ revolution} = 360^\circ = 2\pi \text{ radians} \quad (7)$$

Angular velocity is a vector quantity whose direction is parallel to the axis of rotation in a sense determined by the *right-hand rule*. However, finite angular displacement is not a vector.

*Constant angular acceleration* ( $\alpha = \text{constant}$ ) is an important special case. The appropriate kinematic equations, given in Table 1.18,

$$\omega = \omega_0 + \alpha t \quad (8)$$

$$\theta = \omega_0 t + \alpha t^2 / 2 \quad (9)$$

$$\omega^2 = \omega_0^2 + 2\alpha\theta \quad (10)$$

$$\theta = \omega_0 t + \alpha t^2 / 2 \quad (11)$$

$$\theta = \omega t - \alpha t^2 / 2 \quad (12)$$

Sample Problems 2-4 illustrate the use of these equations.

We sometimes wish to discuss the motion of a single point  $P$  that is part of a rotating rigid body. We can describe the motion of  $P$  by three linear variables: the arc distance  $s = r\theta$ , the velocity  $v$ , and the acceleration  $a$ . The velocity of any point is tangential to its circular motion and has magnitude

$$v = \omega r \quad (\text{radian measure}) \quad (15)$$

The acceleration  $a$  has radial and tangential components

$$a_r = -\omega^2 r \quad \text{and} \quad a_t = \alpha r \quad (\text{radian measure}) \quad (17, 18)$$

The  $r$ 's in these expressions are the perpendicular distance from the axis of rotation to  $P$ . The

The Kinematic Equations for Constant Angular Acceleration

Linear and Angular Variables

## PHYSICS 610 PROBLEMS

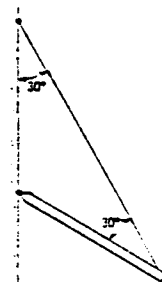
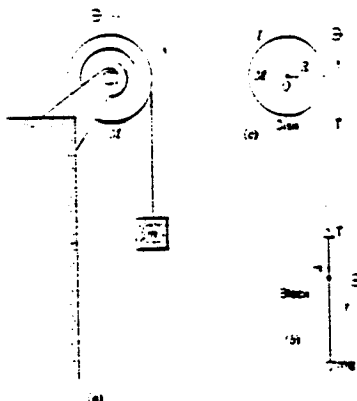


Figure 34 Problem 30.



Figure 25 Question 10.

# FET TABLE

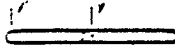
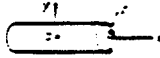

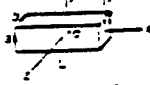


# PHYSICS 610 TABLE











Table 2 Some Rotational Inertias

Statics

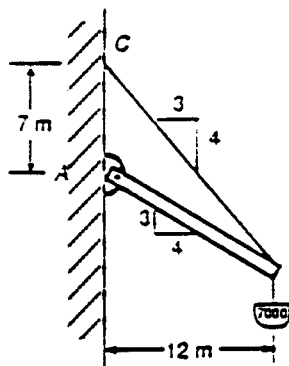
8-22

TABLE 3.2. Mass Moments of Inertia.

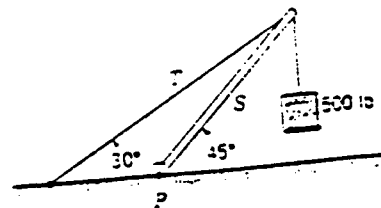
Shape	Dimensions	Moments of Inertia
Slender rod		$I_c = mL^2/12$ $I_e = mL^2/3$
Circular cylinder		$I_c = mr^2/2$ $I_e = mL^2 + 3mr^2/2$
Disk		$I_c = mr^2/2$ $I_e = mr^2/4$
Rectangular parallelepiped	 	$I_c = mb^2 + mh^2$ $I_e = mL^2 + bh^2/12$ $I_e = mL^2 + b^2/12$ $I_e = mL^2 + bh^2/12$
Sphere		$I_c = 2mr^2/5$

	$I = 2mr^2$		$I = \frac{1}{2}m(r_1^2 + r_2^2)$
	$I = \frac{1}{2}mR^2$		$I = \frac{1}{2}mR^2 + \frac{1}{3}mL^2$
	$I = \frac{1}{12}mL^2$		$I = \frac{1}{3}mL^2$
	$I = \frac{2}{5}mr^2$		$I = \frac{2}{3}mr^2$
	$I = \frac{2}{3}mr^2$		$I = \frac{1}{12}m(a^2 + b^2)$

## FET PROBLEM



## 610 PROBLEM



5/3/93

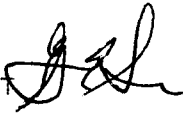
Youngstown State University / Youngstown, Ohio 44555-3009

College of Engineering and Technology

Office of the Dean

(216) 742-3009

TO: ACADEMIC SENATE

FROM: G. E. Sutton, Dean, CE&T SUBJ: Response to Physics Department re Environmental  
Engineering Curriculum proposal

- 1) Engineering requires the application of mathematics, basic sciences and engineering sciences, the mix depending upon the branch of engineering. Thus, the appropriate mix is not the same for environmental engineering as for structural engineering, or any other branch.

In years-gone-by, accreditation specifically required a year of Physics and a year of Chemistry. Gradually, the requirements have been modified to recognize the need for the life sciences in some areas.

Since there are no accredited programs in Environmental Engineering in Ohio, the comparison of the Physics content of programs has no validity.

- 2) Comments about the performance on the fundamentals examination are inappropriate. The information is the property of the Ohio State Board of Registration for Professional Engineers and Surveyors, released only to Deans of the Colleges and Board Representatives, under promise to retain the confidentiality of the results, probably to insure that no University could use the results for advertising. In addition, the percentage of students currently taking the FE exam is so low as to prevent reliable comparison between universities or departments.

As a former Accreditation Visitor for Environmental and for Mechanical Engineering, and as a dean who is responsible for the welfare and quality of the programs, I must maintain active relationships with the Profession, the Registration Boards and the Accreditation agencies which serve those boards. I take that responsibility seriously.

There is no reason to believe that accreditation is in jeopardy. In fact discussions indicate that the accreditation requirements will be generalized to provide opportunity for creative approaches to engineering education.

Please leave the curricular responsibility with those who actually have it!

All courses are 4 q.h. except Honors 601. All courses will be offered in special sections, enhanced for honors students/University Scholars. Courses must be taken for regular grades; the CR/NC option will not be allowed.

### Fall quarter

Required courses:

Honors 601U	Critical Thinking and Study Skills (2 q.h.) (Mrs. Jonelle Beatrice)	3201, 3202
English 550H or U	English Composition 1 OR	0952, 0958, 1100
English 551H or U	English Composition 2	1051

Students will choose at least one of the following:

Chemistry 500U	Chemistry in Modern Living (Dr. H. Mettee)	
History 655H	History of Western Civ. 1 (Dr. L. Domonkos)	2034
Relig. Studies 601U	Intro. to World Religions (Dr. C. Bache)	2458

### Winter quarter

Required if not taken in the Fall:

English 551H or U English Composition 2

Students will choose at least one of the following, or two if English 551H/U was completed during the Fall:

Anthropology 602U	Introduction to Anthropology (Dr. J. White)
Biology 505U	Biology & the Modern World (Dr. L. Schroeder)
English 609U	Intro. to Literature (prereq. English 551)
Geology 505U	Physical Geology (Dr. Jeffrey Dick)
History 656H	History of Western Civ. 2 (Dr. L. Satre)
Speech 560U	Introduction to Theater (tentative)

### Spring quarter

Students will choose at least two of the following:

Art/Music 709U	History and Appreciation of Art and Music 1 (Drs. Ron Gould, Lou Zona)
English 618U	American Lit. & Society (prereq. English 551)
Math 523U	Survey of Mathematics (prereq. pre-calculus) (Dr. Steven Kent)
Philosophy 600U	Introduction to Philosophy (Dr. Tom Shipka)
Physics 500U	Physics and Man (Drs. W. Cochran, W. Sturuss, R. Tabak, and W. Young)
Polit. Sci. 550U	Elements of Politics (Dr. David Porter)



SCANLON, JAMES J.

PROVOST

**TO: FULL SERVICE FACULTY, ADMINISTRATION, AND  
STUDENT GOVERNMENT**

**FROM: VIRGINIA PHILLIPS, CHAIR, ACADEMIC SENATE**

**RE: ADDENDUM TO SENATE AGENDA -- MAY 5, 1993**

**RECEIVED**  
APR 29 1993  
OFFICE OF THE PROVOST

Please add the following item to the Senate Agenda for May 5, 1993. The full Agenda should already be in your possession.

The attached item should be listed under Reports From Other Senate Committees.

923-12 Report from Academic Programs Division.

Discussion on 923-12 will follow discussion on 923-11, the Report from University Scholars Program Task Group.

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

Date April 22, 1993 Report Number (For Senate Use Only) 923-12

Name of Committee Submitting Report Programs

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

elected chartered

Names of Committee members: Gill-Wigel, DeLost, Mincey, Owens, Sutton, Jones, Krishnan, Lambert, Allshouse

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

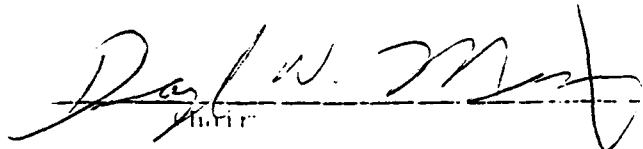
Approval of Attached program change

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

If so, state the motion: Approve attached changes

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: \_\_\_\_\_

  
\_\_\_\_\_  
Minter

4. The request to change the programs of Dietetic Technology and Merchandising: Fashion and Interiors was presented by presented by Dr. Janice Elias, Chair of Home Economics. In Dietetics Technology FNUTR: 626 Foodservice Management will be dropped and BET 650 Microcomputer Application will be added as a requirement. This reflects changes in the discipline and follows the recommendations of the American Dietetic Association. A summary of the changes in Merchandising was given. The details are present in the written request. In general, the changes in courses reflect a desire to add some flexibility to the program and facilitate accreditation by the American Home Economics Association. A concern regarding the lack of electives in this program was raised. After some additional discussion the changes were approved.
5. The request from Madeline Haggerty to change the name of Allied Health to the Department of Allied Medical Professions was presented. The committee understands the desire of this department to differentiate itself from the newly formed Department of Health Sciences, named by the President. However, the use of "Professions" to describe a discipline was questioned. In addition, the use of "Medical" without a school of medicine may be inappropriate. After further discussion, It was suggested that Allied Health consider other department names.
6. The next meeting was scheduled for Thur, April 29, 1993 in the chemistry conference room at 10:00 am.
7. Meeting adjourned 12:05 pm.

FD#	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 A.B. in Mathematics Department Mathematics

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

52 q.h. in mathematics to include Calculus (Math 571-674), Linear Algebra and Mathematical Statistics I (Math 725-743), sequences in Abstract Algebra and Analysis (Math 721-22 and 751-52), 12 q.h. of upper division major electives with at least 8 q.h. at the 800 level, and a mathematics project (Math 896). CSCI 610 is also required. The minor may be in any discipline.

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

Increase the hours required in mathematics to 54 q.h. by requiring a new course, Math 683. The other requirements described in part A would remain unchanged.

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.).

The department's faculty believe that a transition to theoretical mathematics is needed and will improve the quality and effectiveness of majors' upper division courses, particularly the required sequences.

This change should not have an impact on the resources of any other department.

Signatures

Department Chairperson Arthur J. Klein 2/5/93

Dean [Signature] Prog. Div. Dan W. [Signature]

FD#	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 B.S. in Mathematics Department Mathematics

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

52 q.h. in mathematics to include Calculus (Math 571-674), Linear Algebra and Mathematical Statistics I (Math 725 and 743), sequences in Abstract Algebra and Analysis (Math 721-22 and Math 751-52), 12 q.h. of upper division major electives with 700 level prerequisites, and a mathematics project (Math 896). CSCI 610 is also required. The minor must be in biology, chemistry, computer science, geology, psychology, physics or one of the engineering disciplines.

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

Increase the hours required in mathematics to 54 q.h. by requiring a new course, Math 683. The other requirements described in part A would remain unchanged.

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.).

The department's faculty believe that a transition to theoretical mathematics is needed and will improve the quality and effectiveness of majors' upper division courses, particularly the required sequences.

This change should not have an impact on the resources of any other department.

Signatures

Department Chairperson Albert J. Klein 2/5/93

Dean [Signature] Prog. Div. [Signature]

INTEROFFICE CORRESPONDENCE



---

To: Dr. Daryl W. Mincey, Chair, Academic Programs Committee

From: *David Stephens*  
Dr. David T. Stephens, Chair, Geography Department

Date: 3/5/93

Subject: **INTERNATIONAL AREA STUDIES--850**  
\* \* \* \* \*

I have been informed by Madeleine Haggerty, Chair of the University Curriculum Committee, that the course change we proposed requires action by your Committee. Please advise if you have any questions about this request.

Enclosure



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 INTERNATIONAL AREA STUDY Department Geography

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

SEE B AND D OF THE UNIVERSITY CURRICULUM PROPOSAL

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

SEE B AND D OF THE UNIVERSITY CURRICULUM PROPOSAL

-----  
C. Using as many additional needs 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 B AND D OF THE UNIVERSITY CURRICULUM PROPOSAL

-----  
Signatures

Dept. Chairman David Stephens Dean [Signature]

Program Div. [Signature] Senate \_\_\_\_\_

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

UCD #	Date Rec'd	IR Code
-------	------------	---------

School Arts & Sciences Department Geography

Course Prefix GEOG Course Number 850

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

Course Title International Area Study

Chair's Signature *David Strypstra* Date 2/12/93 Telephone 3317

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

850. *International Area Study*. A course in the geography and history of a selected international area with emphasis on cultural development by traveling in the selected region. The class and travel is supervised by the Geography and/or History faculty. The course grade is based upon a term paper which must be submitted within 60 days after the end of the course.  
 Prereq.: By permit only. 4-12 q.h.

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

No change see comments in Section D.  
 850. *International Area Study*. A course in the geography and history of a selected international area with emphasis on cultural development by traveling in the selected region. The class and travel is supervised by the Geography and/or History faculty. The course grade is based upon a term paper which must be submitted within 60 days after the end of the course.  
 Prereq.: By permit only. 4-12 q.h.

**C** Yes  or No  this course is (to be) cross-listed with History 850  
 (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.

Two changes are proposed for this course. Neither will be reflected in the Bulletin. The first modification involves a change in the grading option. Often this course is not conducted during the normal quarter; e.g., between Fall final exams and Christmas or between the end of Summer Quarter and the beginning of the  
 (continued on next page)

Course Workload: SCH ± 15 W

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

Signatures	Approval	Disapproval	Date
School/College Curr. Comm. _____	_____	_____	_____
Dean _____	_____	_____	_____
University Curr. Div. _____	_____	_____	_____
Academic Senate _____	_____	_____	_____



D --JUSTIFICATION (con'd...)

Fall Quarter. The requirements for the course may not be completed at the normal grade reporting time, hence the traditional grade, A, B, C, D or F, is not appropriate. Adding the option of PR allows an indication of progress toward meeting the course requirement.

This course is incorrectly categorized in terms of workload. For workload purposes it now is treated like a lecture class, one hour of contact equals one hour of workload. It involves supervised individual research. According to the Agreement, the workload for such a class should be  $WH = SCH + 15$ , hence the request to change.



B. Proposed

Curriculum for the Bachelor of Arts degree with a major in Geology.

1. General University requirements.

2. Department requirements

Cr. Hrs.

I **Required Course** (36 Q.H.)

GEOL 505 Physical Geology	4
GEOL 513 Physical Evolution of North America	4
GEOL 514 Life of the Geologic Past	4
GEOL 608 Geology Laboratory	4
GEOL 615 Geology and the Environment I	4
CHEM 515, 516 General Chemistry I, II	8
BIOL 508 Principles of Biology 3	4
COMP 530 Computer Literacy	4

II **Geology Electives** (minimum of 28 Q.H.)

GEOL 602 Introduction of Oceanography	4
GEOL 700 Mineralogy	4
GEOL 701 Geomorphology	6
GEOL 702 Glacial Geology	4
GEOL 704 Structural Geology	3
GEOL 704L Structural Geology Laboratory	2
GEOL 706 Geology of Economic Mineral Deposits	5
GEOL 708 Megascopic Petrography	6
GEOL 709 Subsurface Investigations	2
GEOL 802 Stratigraphy and Sedimentation	4
GEOL 803 Optical Mineralogy	5
GEOL 804 Ground Water	5
GEOL 807 Engineering Geology	4
GEOL 815 Geology and the Environment II	2
GEOL *805 Special Problems in Geology (maximum of 5 Q.H.)	
[* May include field geology]	

III **Science Electives** (minimum of 12 Q.H.)

BIOL 506, 507, 780	
CHEM 517, 603, 751(+), 752(+)	
GEOG 661, 737	
CIVIL ENG. 736, 837, 884	
[(+ Same as Biology or Civil Eng. 751, 752)]	

The Bachelor of Arts degree student majoring in Geology must complete a minimum of 48 quarter hours of courses in geology.



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   B.A. - Earth Science   Department   Geology  

-----  
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 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   Stan ...   Dean   ...  

Program Div.   Donald ...   Senate \_\_\_\_\_

B. Proposed

EARTH SCIENCE

An Earth Science major consists of a minimum of 70 quarter hours of science courses distributed as follows: 42 hours for Specified courses, and either 28 quarter hours from Electives I or 28 quarter hours from Electives II.

<b>Specified</b> (42 Q.H.)	Cr. Hrs.
ASTRO 504 Descriptive Astronomy	4
ASTRO 608 Moon and Planets	4
GEOG 630 Weather	4
GEOG 737 Soils and Land Use	4
GEOL 505 Physical Geology	4
GEOL 513 Physical Evolution of North America	4
GEOL 514 Life of the Geologic Past	4
GEOL 602 Introduction to Oceanography	4
GEOL 608 Geology Laboratory	4
GEOL 615 Geology and the Environment I	4
GEOL 815 Geology and the Environment II	2
<b>Electives I</b> (28 Q.H.) for Earth Science Teaching Professionals	
BIOL 508 Principles of Biology 3	4
CHEM 515, 516 General Chemistry I, II	8
COMP 530 Computer Literacy	4
GEOG 730 Climatology	4
GEOL 700 Mineralogy	4
GEOL 701 Geomorphology	6
GEOL 702 Glacial Geology	4
GEOL 704 Structural Geology	3
GEOL 704L Structural Geology Laboratory	2
GEOL 706 Geology of Economic Mineral Deposits	5
GEOL 708 Megascopic Petrography	6
GEOL 714 Principles of Paleontology	4
GEOL 802 Stratigraphy and Sedimentation	4
<b>Electives II</b> (28 Q.H.) for other professionals	
At least two courses from the following Geology:	
GEOL 700 Minerlogy	4
GEOL 701 Geomorphology	6
GEOL 702 Glacial Geology	4
GEOL 704 Structural Geology	3
GEOL 704L Structural Geology Laboratory	2
GEOL 706 Geology of Economic Mineral Deposits	5
GEOL 708 Megascopic Petrography	6
GEOL 714 Principles of Paleontology	4
GEOL 802 Stratigraphy and Sedimentation	4
GEOL 803 Optical Mineralogy	5
GEOL 806 Introduction to X-Ray Diffraction	3
FIELD GEOLOGY	4
CHEM 515, 516, 517 General Chemistry I, II, III	12
COMP 530 Computer Literacy	4
ENVI SCI 751, 752 Water Quality Analysis I, II	8
MATH 714 Probability and Statistics	5
MATH 550 or MATH 570 or MATH 571 Calculus	5

B. Proposed

Curriculum for the Bachelor of Science degree with a major in Geology.

1. General University requirements.

2. Department requirements

Cr. Hrs.

I **Required Courses** (35 Q.H.)

GEOL 505 Physical Geology	4
GEOL 513 Physical Evolution of North America	4
GEOL 514 Life of the Geologic Past	4
GEOL 608 Geology Laboratory	4
GEOL 700 Mineralogy	4
GEOL 704 Structural Geology	3
GEOL 704L Structural Geology Laboratory	2
GEOL 708 Megascopic Petrography	6
GEOL xxx Field Camp (minimum 4 Q.H.)	-

II **Geology Electives** (minimum of 17 Q.H.)

GEOL 615 Geology and the Environment I	4
GEOL 701 Geomorphology	6
GEOL 706 Geology of Economic Mineral Deposits	5
GEOL 714 Principles of Paleontology	4
GEOL 802 Stratigraphy and Sedimentation	4
GEOL 803 Optical Mineralogy	5

III Minimum of 6 Q.H. from the following Geology courses:

GEOL 602 Oceanography	4
GEOL 702 Glacial Geology	4
GEOL 703 Physiography of the United States	6
GEOL 707 Applied Geophysics	4
GEOL 709 Subsurface Investigations	2
GEOL 804 Ground Water	5
GEOL 806 Intro to X-ray Diffraction	3
GEOL 807 Engineering Geology	4
GEOL 812 Sedimentology	2
GEOL 815 Geology and the Environment 2	2

IV Minimum of 32 Q.H. from the following courses:

CHEM 515, 516, 517	
BIOL 506, 507, 508	
MATH 571, 572	
COMP SCI 530, 560, 610, 610L, 670	
PHYSICS 501, 502, 502L, 503, 503L or 510, 610, 611 501L,	

Geology Field Course must carry a minimum of 4 quarter hours of transferable credit. The field camp is chosen in consultation with the advisor and the department curriculum committee.

The subject areas approved for a minor are: Astronomy, Biology, Chemistry, Civil Engineering, Computer Science (math), Mathematics, or Physics.

The Bachelor of Science degree student majoring in geology must complete a minimum of 58 quarter hours of courses in geology.



C. Proposed changes in three programs:

- 1) B.S. - Geology
- 2) B.A. - Geology
- 3) B.A. - Earth Science

I With the change of Geology 801, Mineralogy (6QH) to Geology 700, Mineralogy (4 QH), all three programs need to be adjusted because of the change in credit hours.

II New courses:

Geology 709, Subsurface Investigations (2 QH), and Geology 807, Engineering Geology (4 QH) are to be added to the elective list of courses available to the student toward a major. This will provide a greater opportunity for students to widen their geologic skills in an increasingly important subdiscipline of geology.

III Degree requirements are neither increased nor decreased. However, the proposed changes do provide more flexibility.

The Civil Engineering Department has been consulted and has encouraged these offerings (Geology 709 and 807).



INTEROFFICE CORRESPONDENCE



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To: Dr. Daryl Mincey, Chair--Academic Programs Division UCC  
From: John J. Yemma, Dean--College of Health and Human Services (X3321) *J.Y.*  
Date: March 4, 1993  
Subject: Program Changes--Dietetic Technology  
Merchandising: Fashion and Interiors

Attached for committee consideration are program change proposals from the Home Economics Department for the Dietetic Technology program and the Merchandising: Fashion and Interiors program.

gro

Attachments



To: Academic Programs and Curriculum Committee  
 From: Janice Elias, Chair, Home Economics  
 Date: March 4, 1993  
 Subject: Attached Proposals.

The College of Business Administration Curriculum Committee has not acted on the proposals to cross-list Marketing 733 with Merchandising 733, to establish a new cross-listed course MERCH/MKTG 805, and to add MERCH 805 to the interdisciplinary requirements for students in Marketing - Fashion Retailing and Home Economics - Merchandising. We would prefer not to delay our entire package until their committee acts. We are proposing to modify the request in three ways:

- 1) Delete proposal for MERCH 733 from the package
- 2) Modify the proposal for MERCH 805 to delete reference to cross-listing with a Marketing course.
- 3) Move MERCH 805 from the list of interdisciplinary requirements to Home Economics Department requirements.

Our proposal then is not dependent on joint action with College of Business.

Thank you.

To: Academic Programs and Curriculum Committees  
From: Janice Elias, Chair, Home Economics *je*  
Date: February 1, 1993  
Subject: Curriculum revision

We are seeking accreditation of our department by the American Home Economics Association and renewal of approval of the Dietetic Technology program from the American Dietetic Association. In the related self-study process we have determined the need for the attached academic program and course changes. The following summary may help the committees see the overall departmental changes.

Course Changes

Delete:

FNUTR 626 Foodservice Management .....4 q.h.  
MERCH 507 Basic Clothing Techniques .....1 q.h.  
MERCH 703 Tailoring.....4 q.h.  
MERCH 704 Design by Draping.....4 q.h.

Add:

MERCH 805 International Textile and Apparel Economy ...4 q.h.  
HOME 893 Work and Family.....3 q.h.  
MERCH 733 Furnishings.....4 q.h.  
(This is not a new course; adding cross-listing with Marketing 733)

Change:

MERCH 508 Clothing Construction (shorten title, add 1 credit hour because of elimination of MERCH 507)

MERCH 604 Advanced Clothing Construction (change description, add 1 credit hour because of elimination of MERCH 703 AND 704)

MERCH 879 History of Interiors and Furnishings (add 1 quarter hour needed to adequately meet course objectives)

CHFAM 731 Individual and Family Development (change course description to reflect changes in course to meet accreditation guidelines that specify the knowledge base provided by the department will deal with "the impact of heritage and culture on the behavior of individuals and families.")

FNUTR 628 Practicum in Dietetic Technology (change prerequisites because of change in program which eliminates FNUTR 626)

FNUTR 650 Seminar in Dietetic Technology (change course description because of program change requiring concurrent enrollment with FNUTR 628)

FNUTR 862 Cultural Foods (change in prerequisite)

Academic Program Changes

Dietetic Technology

Eliminate FNUTR 626 Foodservice Management  
Add BET 613, Microcomputer Applications  
Require FNUTR 650 to be taken concurrently with FNUTR 628

Merchandising: Fashion and Interiors

Permits students to select which art history or appreciation courses are taken to fulfill humanities requirement rather than requiring Art 521, 522, 523

Provides two options for fulfilling science requirements rather than requiring students to take CHEM 505 and 506

Deletes Anthropology 711 as a requirement, allowing students to select other courses to meet social science requirements

Add Drafting and Design Technology 605: CAD Tech I to the Interiors emphasis and delete Art 501 and HOME 852

Delete MERCH 507 Basic Clothing Techniques, MERCH 703 Tailoring and MERCH 704 Design by Draping to reduce program emphasis on clothing construction and add 1 credit each to MERCH 508 Clothing Construction and MERCH 604 Advanced Clothing Construction.

Require MERCH 642 Applied Fabric Design of students in the Interiors emphasis and Fashion emphasis

Add a new course MERCH 805 International Textile and Apparel Economy to the interdisciplinary requirements for students in both Home Economics (Merchandising) and Marketing (Fashion Retailing).

*See  
cover  
memo*

See Academic Programs form for additional information.

Affects on other Departments

Chemistry:

The Merchandising: Fashion and Interiors proposed program will permit more flexibility in meeting science requirements. A sequence of CHEM 501, CHEM 510 and a choice of another chemistry or biology course would be the sequence for students entering the program without high school chemistry. Students who have had high school chemistry would be advised into CHEM 505 and 506. The recommendation of the CHEM 510 laboratory for students in merchandising has been discussed with the chemistry chair.

) Business Education and Technology:

BET 613 Microcomputer Applications will now be required of students in Dietetic Technology in order to meet American Dietetic Association knowledge standards for Dietetic Technicians. This will result in a slight increase in enrollment in BET 613.

Anthropology:

Anthropology 711 is being deleted from the Merchandising curriculum. This will permit one student choice of a social science to meet general education requirements. This may result in a drop in enrollment in anthropology although some students in this program may elect anthropology. This change is being made to meet AHEA accreditation criterion 4.3(3) "Latitude in the choice of elective courses is provided in the curriculum for maximum individual development."

Art:

Merchandising students will be permitted to choose which art history or appreciation courses to take to meet humanities requirements instead of being required to take Art 521, 522, 523.

Art 501 Drawing I is being deleted from the Merchandising Interiors emphasis. This should have only a small effect on course enrollment as the Interiors emphasis does not have a large enrollment. These changes are being made to meet AHEA accreditation criterion 4.3(3) "Latitude in the choice of elective courses is provided in the curriculum for maximum individual development."

Engineering Technology:

) Drafting and Design Technology 605: CAD Technology I is being added to the Interiors emphasis in Merchandising. This change has been discussed with Jim Zupanic, Program Coordinator.

Marketing:

The proposed new course MERCH 805 is being added to the interdisciplinary requirements which are taken by both Home Economics Merchandising majors and Marketing's Fashion Retailing majors. This has been discussed with Dr. Deiderick, chair of the Marketing Department. The course will be cross-listed. A proposal to cross-list the existing MKTG 733 Furnishings with MERCH 733 will permit the course to be offered more frequently to meet student demand.

*See  
Cover  
memo*



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   DIETETIC TECHNOLOGY   Department   HOME ECONOMICS  

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.)

Eliminate FNUTR 626 (4 q.h.).  
Add BET 613, Microcomputer Applications.

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.).

Information taught in FNUTR 626 is now being taught in other courses (FNUTR 609L, 610, 611/L, 613L). The ADA Standards of Education have been changed and there is more need for dietetic technicians to have computer experience. There will be a slight increase in enrollment in BET 613.

Signatures

Dept. Chairman

Janice Elias

Dean

J. J. J. J.

Program Div.

Darryl M. [Signature]

Senate

\_\_\_\_\_

YOUNGSTOWN STATE UNIVERSITY  
HOME ECONOMICS DEPARTMENT  
**MERCHANDISING: FASHION & INTERIORS (B.S. in A.S.)**

1992 - 1993

GENERAL DEGREE REQUIREMENTS (Basic Courses)

ENGL 550 Composition 1	4	__
ENGL 551 Composition 2	4	__
SPCH 652 Business & Professional Speaking	4	__
HLTH 590 Health Education	3	__
PHYSICAL EDUCATION (3 activities)	3	__

HUMANITIES

ART 521 Survey of Western Art 1	4	__
ART 522 Survey of Western Art 2	4	__
ART 523 Survey of Western Art 3	4	__

SCIENCE/MATHEMATICS

CHEM 505/L Chem for AH Sciences 1	4	__
CHEM 506/L Chem for AH Sciences 2	4	__
MATH 506 Mathematics of Business	5	__

SOCIAL STUDIES

SOCIO 500 Fundamentals of Sociology	4	__
PSYCH 560 General Psychology	4	__
ECON 520 Principles of Economics 1	4	__
ECON 621 Principles of Economics 2 (P)	3	__
ANTHR 711 Cultural Anthropology (P)	4	__
	62	__

EMPHASIS: (CHOOSE 1)

INTERIORS

MERCH 763 Technology in the Home (P)	4	__
HOME 852 Family Resource Management (P)	4	__
MERCH 879 Hist of Interiors & Furnishings (P)	3	__
ART 501 Drawing 1	3	__
ART 502, 503, 504 Design 1, 2, 3	4,4,4	__
ART 550 Computer Graphics for the Artist	4	__
ART 716, 717 Interior Design 1 & 2 (P)	3,3	__
ART 718 Advanced Interior Design (P)	3	__
	39	__

FASHION

MERCH 506 Clothing Selection	3	__
MERCH 507 Basic Clothing Techniques	1	__
MERCH 508 Basic Clothing Construction (P)	3	__
MERCH 604 Advanced Clothing Construction (P)	3	__
MERCH 730 Soc/Psych. Aspects of Clothing (P)	4	__
MERCH 877 Historic Costume (P)	4	__

CHOOSE AT LEAST 2 OF THE FOLLOWING 4:

MERCH 642 Applied Fabric Design	3	__
MERCH 702 Design & Flat Pattern (P)	4	__
MERCH 703 Tailoring (P)	4	__
MERCH 704 Design by Draping (P)	4	__

25-26

MAJOR REQUIREMENTS (Interdisciplinary)

MERCH/MKTG 525 The World of Fashion	3	__
MGT 604 Legal Environment of Business 1	4	__
MKTG 625 Personal Selling	4	__
MERCH/MKTG 635 Fashion Experience (P)	4	__
MKTG 703 Fundamentals (P)	5	__
ADVER 704 Principles (P)	5	__
MERCH 705 Basic Textile Science (P)	4	__
MKTG 709 Retail Marketing (P)	4	__
MGT 725 Fundamentals (P)	4	__
MKTG 731 Nontextiles	4	__
MKTG 733 Furnishings (P)	4	__
MERCH 764 Family Housing (P)	4	__
HOME 780 Consumer Economics (P)	4	__
OR		
MKTG 848 Mktg. & Social Responsibility (P)	4	__
MKTG 809 Techniques of Retail Merch. (P)	4	__
HOME 835 Field Experience (P)	4-8	__
	60-65	__

DEPARTMENT REQUIREMENTS - HOMECE

FNUTR 543 Personal Nutrition	2	__
HOME 550 Home Economics Profession (P)	2	__
CHFAM 731 Ind. & Family Development (P)	4	__
HOME 771 Presentation Techniques (P)	4	__
HOME 850 Contemporary Issues in Homece (P)	2	__
BET 513 Business Computer Systems 1	4	__
	18	__

SUGGESTED ELECTIVES

SPCH 550 Public Speaking	4	__
SPCH 653 Small Group Communication	4	__
SPCH 656 Interpersonal Communication	4	__
PSYCH 613 Statistical Methods in PSYCH 1 (P)	3	__
PSYCH 712 Industrial Psychology (P)	4	__
BET 710 Business Computer Systems 2 (P)	4	__
MGT 750 Human Behavior in Organization (P)	4	__
MKTG 815 Marketing Research (P)	4	__

( P ) = Prerequisite

Check current bulletin for prerequisite.

TOTAL HOURS FOR DEGREE: 186

- . Some courses offered once a year or alternate yrs; see advisor for proper prerequisites/sequence of courses.
- . Application for Field Experience must be filed two (2) quarters prior to registration for the course.
- . Must have "C" or better in each course of MAJOR, DEPT. and EMPHASIS, and overall GPA of 2.0 to graduate.
- . Nonacademic hours cannot be counted as electives.
- . Electives may be selected from suggested electives or other emphasis.

5/15/92

HIGH SCHOOL REQUIREMENTS

(FOR STUDENTS GRADUATING FROM HIGH SCHOOL AFTER 1985)

ENGLISH..... 4 UNITS

MATHEMATICS..... 3 UNITS Specifically Algebra I and II, and Plane Geometry.

SCIENCE..... 3 UNITS Including at least one unit of Biology, Chemistry, Earth Science, or Physics. One unit should be a laboratory course.

SOCIAL SCIENCE.. 2 UNITS Specifically including one unit of U.S. History and one-half unit of U.S. Government.

OR

SCIENCE..... 2 UNITS Including at least one unit of Biology, Chemistry, Earth Science, or Physics. One unit should be a laboratory course.

SOCIAL SCIENCE.. 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 1 UNIT Specifically from the areas of music, art or drama.

ART

(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

ADDITIONAL COURSES REQUIRED PRIOR TO GRADUATION

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

STUDENT SIGNATURE

DATE



YOUNGSTOWN STATE UNIVERSITY  
HOME ECONOMICS DEPARTMENT  
**MERCHANDISING: FASHION & INTERIORS (B.S. in A.S.)**

1 9 9 3 - 1 9 9 4

<u>GENERAL DEGREE REQUIREMENTS</u> (Basic Courses)	<u>MAJOR REQUIREMENTS</u> (Interdisciplinary)
ENGL 550 Composition 1 4__	MERCH/MKTG 525 The World of Fashion 3__
ENGL 551 Composition 2 4__	MGT 604 Legal Environment of Business 1 4__
SPCH 652 Business & Professional Speaking 4__	MKTG 625 Personal Selling 4__
HLTH 590 Health Education 3__	MERCH/MKTG 635 Fashion Experience (P) 4__
PHYSICAL EDUCATION (3 activities) 3__	MKTG 703 Fundamentals (P) 5__
	ADVER 704 Principles (P) 5__
<u>HUMANITIES</u> (8-18)	MERCH 705 Basic Textile Science (P) 4__
12 hours of art appreciation and history	MKTG 709 Retail Marketing (P) 4__
	MGT 725 Fundamentals (P) 4__
<u>SCIENCE/MATHEMATICS</u> (12-22)	MKTG 731 Nontextiles 4__
MATH 506 Mathematics of Business 5__	MERCH/MKTG 733 Furnishings (P) 4__
CHEM 501 Intro to Chemistry 4__	MERCH 764 Family Housing (P) 4__
CHEM 510 Intro to Chemistry Lab 1__	HOME 780 Consumer Economics (P) 4__
CHEM/BIOL Choose additional course ___	<u>OR</u>
OR	MKTG 848 Mktg. & Social Responsibility (P) (4)___
CHEM 505/L Chem for AH Sciences 1 4__	MKTG 809 Techniques of Retail Merch. (P) 4__
CHEM 506/L Chem for AH Sciences 2 4__	HOME 835 Field Experience (P) 4-8__
	MERCH 835 Int'l Textile & Apparel Economy 4__
	65-69__
<u>SOCIAL STUDIES</u> (16-22)	<u>DEPARTMENT REQUIREMENTS</u>
SOCIO 500 Fundamentals of Sociology 4__	BET 513 Business Computer Systems 1 4__
PSYCH 560 General Psychology 4__	FNUTR 543 Personal Nutrition 2__
ECON 520 Principles of Economics 1 4__	HOME 550 Home Economics Profession (P) 2__
ECON 621 Principles of Economics 2 (P) 3__	MERCH 642 Applied Fabric Design 3__
(Choose add'l course to equal minimum of 16) ___	CHFAM 731 Individual & Family Development (P) 4__
59-60__	HOME 771 Presentation Techniques (P) 4__
	HOME 850 Contemporary Issues in Homec (P) 2__
	21

E M P H A S I S : (CHOOSE 1)

INTERIORS

MERCH 763 Technology in the Home (P) 4__
MERCH 879 Hist of Interiors & Furnishings (P) 4__
ART 502, 503, 504 Design 1, 2, 3 4,4,4__
ART 550 Computer Graphics for the Artist 4__
ART 716, 717 Interior Design 1 & 2 (P) 3,3__
ART 718 Advanced Interior Design (P) 3__
DDT 605 CAD Technology (P) 4__
37__

FASHION

MERCH 506 Clothing Selection 3__
MERCH 508 Clothing Construction 4__
MERCH 730 Soc/Psych Aspects of Clothing (P) 4__
MERCH 877 Historic Costume (P) 4__
<u>Choose One</u>
MERCH 604 Advanced Clothing Construction (P) 4__
MERCH 702 Design and Flat Pattern (P) (4)___
19

ELECTIVES TO TOTAL 186 HOURS

( P ) = Prerequisite

Check current bulletin for prerequisite.

TOTAL HOURS FOR DEGREE: 186

- Some courses offered once a year or alternate yrs; see advisor for proper prerequisites/sequence of courses.
- Application for Field Experience must be filed two (2) quarters prior to registration for the course.
- Must have "C" or better in each course of MAJOR, DEPT. and EMPHASIS, and overall GPA of 2.0 to graduate.
- Nonacademic hours cannot be counted as electives.
- Electives may be selected from suggested electives or other emphasis.

02/01/93

HIGH SCHOOL REQUIREMENTS

(FOR STUDENTS GRADUATING FROM HIGH SCHOOL AFTER 1985)

- ENGLISH..... 4 UNITS
- MATHEMATICS..... 3 UNITS Specifically Algebra I and II, and Plane Geometry.
- SCIENCE..... 3 UNITS Including at least one unit of Biology, Chemistry, Earth Science, or Physics. One unit should be a laboratory course.
- SOCIAL SCIENCE.. 2 UNITS Specifically including one unit of U.S. History and one-half unit of U.S. Government.
- OR
- SCIENCE..... 2 UNITS Including at least one unit of Biology, Chemistry, Earth Science, or Physics. One unit should be a laboratory course.
- SOCIAL SCIENCE.. 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

ADDITIONAL COURSES REQUIRED PRIOR TO GRADUATION

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STUDENT SIGNATURE

DATE



A S S O C I A T E D E G R E E  
PRE-COLLEGE ENTRANCE REQUIREMENTS

(FOR STUDENTS GRADUATING FROM HIGH SCHOOL AFTER 1985)

ENGLISH	4 UNITS
MATH	2 UNITS ALGEBRA I; ALGEBRA II or GEOMETRY)
SCIENCE*	2 UNITS (AT LEAST ONE OF BIOLOGY, CHEMISTRY, PHYSICS or EARTH SCIENCE)
SOCIAL STUDIES	2 UNITS (AT LEAST ONE OF HISTORY AND 1/2 OF GOVERNMENT)

\* 1 unit for AAB, ALS

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

ENGLISH.....	3 UNITS
ALGEBRA 1.....	1 UNIT
ALGEBRA 2 OR GEOMETRY...	1 UNIT
SCIENCE.....	1 UNIT
HISTORY, CIVICS.....	1 UNIT

- . Coursework taken to make up deficiencies does not count toward the degree.
- . Deficiencies must be made up during the first 60 q.h. of coursework taken at YSU.

ADDITIONAL COURSES REQUIRED PRIOR TO GRADUATION

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STUDENT SIGNATURE

\_\_\_\_\_  
DATE

6/3/91

Req's.HS/pl

YOUNGSTOWN STATE UNIVERSITY  
HOME ECONOMICS DEPARTMENT

**DIETETIC TECHNOLOGY**

(A.A.S. DEGREE)

1993 - 1994

GENERAL DEGREE REQUIREMENTS

ENGL 550	Composition 1	4	__
ENGL 551	Composition 2	4	__
HLTH 590	Health Education	3	__

SOCIAL STUDIES:

SOCIO 500	Fundamentals of Sociology	4	__
ECON 520	Principles of Economics 1	4	__
PSYCH 560	General Psychology	4	__

SCIENCE/MATHEMATICS:

CHEM 505/L	Chem for AH Sciences 1	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	__
		<b>39</b>	__

OTHER REQUIREMENTS

BUTEC 580	Elementary Accounting Tech 1	4	__
BET 613	Microcomputer Applications	4	__
ELECTIVES: To make 96 credit hours (total)			

MAJOR REQUIREMENTS (Home Economics)

HOME 550	Home Economics Profession (EPT Placement in ENGL 550 or completion of ENGL 540)	2	__
FNUTR 551	Normal Nutr 1 (CHEM 501 or equivalent)	4	__
FNUTR 551L	Nutr Lab (MATH 511 or 512 or high school equivalent; FNUTR 551 or concurrent)	2	__
FNUTR 603	Diet Therapy (FNUTR 551L; BIOL 552; CHEM 505L)	4	__
FNUTR 603L	Diet Therapy Lab (concurrent with 603)	1	__
FNUTR 606	Food Science (H.S. lab science course; MATH 509 or equiv.; FNUTR 552 or high school food course)	4	__
FNUTR 606L	Food Science Lab (concurrent with 606)	2	__
FNUTR 609	Food Systems 1: Operations (HOME 550 and FNUTR 606/L)	4	__
FNUTR 609L	Food Systems 1: Clinical Exp (BUTEC 580 with a grade of C or better; FNUTR 609, 610, or concurrent)	2	__
FNUTR 610	Organization & Management	4	__
FNUTR 611	Food Systems 2: Produc & Serv (FNUTR 609)	2	__
FNUTR 611L	Food Systems 2: Lab (concur. with 611)	3	__
FNUTR 613L	Nutr'l Care Clinical Exp (FNUTR 603/L)	4	__
FNUTR 618	Preclin'l Skills (FNUTR 551 & 603 or 552)	3	__
FNUTR 628	Practicum in DT (Overall GPA of 2.2 required; FNUTR 609L, 611/L, 613L; application filed with instructor one quarter prior to registration for course)	3	__
FNUTR 650	Seminar in DT (concurrent with FNUTR 628)	1	__

**45**\_\_

TOTAL HOURS FOR DEGREE: 96

- . GPA OF 2.2 required for Practicum placement (acceptance into D.T. Program does not guarantee placement in a Practicum).
- . Application for Practicum must be filed one (1) quarter prior to registration for the course.
- . 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 hours cannot be counted as electives.

02/01/93

A S S O C I A T E D E G R E E  
PRE-COLLEGE ENTRANCE REQUIREMENTS

(FOR STUDENTS GRADUATING FROM HIGH SCHOOL AFTER 1985)

ENGLISH                    4 UNITS

MATH                        2 UNITS ALGEBRA I; ALGEBRA II or GEOMETRY)

SCIENCE\*                  2 UNITS (AT LEAST ONE OF BIOLOGY, CHEMISTRY, PHYSICS or EARTH SCIENCE)

SOCIAL STUDIES          2 UNITS (AT LEAST ONE OF HISTORY AND 1/2 OF GOVERNMENT)

\* 1 unit for AAB, ALS

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

ENGLISH..... 3 UNITS

ALGEBRA 1..... 1 UNIT

ALGEBRA 2 OR GEOMETRY... 1 UNIT

SCIENCE..... 1 UNIT

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ADDITIONAL COURSES REQUIRED PRIOR TO GRADUATION

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STUDENT SIGNATURE

\_\_\_\_\_  
DATE

6/3/91

Req's.HS/pl



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 Merchandising: Fashion & Department Home Economics  
Interiors

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

See attached 1992-93 curriculum sheet.

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

See attached proposed 1993-94 curriculum sheet.

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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 "Summary of Changes"

The proposed program changes make the program requirements more consistent with current demands and future trends of the fashion and interiors industries. The reduction in hours of traditional clothing and textiles courses and increase in technological and international courses will provide opportunity for students to be more competitive in the job market.

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Signatures  
Dept. Chairman Janice Ellis Dean J. J. J...  
Program Div. Daryl W. J... Senate \_\_\_\_\_

SUMMARY OF CHANGES

Merchandising: Fashion and Interiors  
1993-94 Curriculum

1. Humanities: hourly requirements unchanged; course options determined by student.
2. CHEM 501, CHEM 510L, and CHEM/BIOL option added to meet the needs of students without high school chemistry.
3. ANTHR 711 deleted as a requirement to permit student choice.
4. Emphasis:
  - A. Interiors
    - 1) Drafting & Design Technology 605: CAD Tech 1 added to provide students with autocad experience.
    - 2) HOME 852 and ART 501 deleted.
  - B. Fashion
    - 1) MERCH 507, 703, 704 consolidated and deleted.
    - 2) MERCH 642 moved to departmental requirements.
5. Major requirements:
  - A. MKTG 733 crosslisted with MERCH 733.
  - B. MERCH 805 added and is to be crosslisted with MKTG ?
6. Suggested electives list eliminated and replaced by a general statement indicating hourly requirements.
7. For more information, refer to cover memo for the package of proposals from the Department of Home Economics.