

MINUTES OF THE UNIVERSITY SENATE

The November 7, 1995 meeting of the University Senate was called to order by Chairperson Rafoth at 3:15 p.m. in Beard Auditorium.

The following Senators were excused from the meeting: Black, G. Brown, Camp, Carter, Davinsizer, S. Ender, Foltz, Goldsmith, Grant, Hall, Juliette, Legersly, Mancuso, R. Mutchnick, Riesenman, Rittenberger, Sellers, Soule, Steele, Storm, B. Walz, G. Walz, Wheatley and Yirenkyi.

The following Senators were absent from the meeting: Aguilla, Ackers, Blystone, Bower, Bullard, Butzow, Cauffiel, Conrad, Dahlheimer, Derenuto, Diamond, Dirk, Donohan, Dubrovsky, Eck, R. Johnson, D. Long, Lord, Malley, McAddams, Miller, Mitchell, A. Moore, E. Mutchnick, Nardi, Sassone, Szalontai, Taiani, Vella, Vold, Wade, Wiggins, Willis and Winstead.

The following correction was made to the minutes of the October 3, 1995 meeting of the Senate: Senator Anthony was present, not absent. The minutes were ACCEPTED with that correction.

Agenda items and order were APPROVED.

REPORTS

President Pettit s report is attached. (ATTACHMENT A)

OLD BUSINESS (carryover from October 3, 1995 meeting)

STANDING COMMITTEE REPORTS

RULES COMMITTEE - CHAIRPERSON STINEMAN

Chairperson Stineman informed that the next meeting of the Rules Committee will be Tue. Nov. 14 at 3:30 PM in 2A Uhler Hall. The committee will examine the procedures used for elections.

STUDENT AFFAIRS COMMITTEE - CHAIRPERSON KINCADE

The Student Affairs Committee presented the following item for Senate Action:

1. It is recommended by the Student Affairs Committee for adoption by the Senate,
that the following be added to the current Sign and Poster Policy (pp. 89-90 of The Source student handbook) as endorsed by the Senate Committee on Student Affairs:

7. The use of chalk for advertisements and announcements is permitted with water soluble chalk on sidewalks only. Chalking is not permitted on the exterior surface of buildings, walls, steps, exterior patios or building foyers, or any vertical surface, except as authorized by the appropriate university official.

Revised #8:

8. Posters, signs, or chalkings found in violation of this policy...

After some discussion it was moved (Buterbaugh-Cunningham) to return the item to the Committee to clarify the language. There was a call for question and the Senate APPROVED to close debate on the motion to return to committee. The motion to return to committee was DEFEATED. The Senate APPROVED to close debate on the original motion and it was then APPROVED.

UNIVERSITY DEVELOPMENT AND FINANCE COMMITTEE - CHAIRPERSON HECKROTH

Chairperson Heckroth presented the following items for Senate information:

1. The Finance and Development Committee has reviewed the University's Long Range Development Plan. As a result of the review, the Committee accepted the plan. The Committee would like to encourage those wishing to comment on the plan to attend a public hearing on Thursday, November 9, 1995 from 3:00-5:00 p.m. in the Multi-Purpose Room of the Hadley Union Building.
2. The next meeting of the Committee will be Tuesday Nov. 14 at 3:00 PM in the Blue Room of Breezedale.

ACADEMIC COMMITTEE - CHAIRPERSON DUNTLEY

No report.

AWARDS COMMITTEE - CHAIRPERSON WHEAT

Chairperson Wheat presented the following item for Senate Information:

Senate Awards Committee
Calendar for 95/96

November 10, 1995	- Nomination forms distributed
December 18, 1995	- Deadline for nominations
February 9, 1996	- Deadline for receipt of support materials from nominees
February 13, 1996	- Committee meets to discuss and finalize ranking instructions
Feb.14-March 20, 1996-	Committee reviews nominee's materials and completes ranking
March 22, 1996	- Meet to discuss rankings and finalize recommendations
March 26, 1996	- Recommendations sent to President
May 11, 1996	- Awards given at Commencement

CURRICULUM COMMITTEE - CHAIRPERSON KUZNESKI

Chairperson Kuzneski presented the following items for Senate information:

1. Liberal Studies Report

The UWUCC accepted the following Liberal Studies Report:
The Liberal Studies Committee approved:

- A. Type I Writing Proposal (Professor Commitment) for Steve Jackson, Political Science
- B. JN 375 World News Coverage, LS Elective
- C. SP 244 Modern Mexico, LS Elective and Non-Western Cultures

2. Course Title Change

Current: GE 411 Geography: Thought and Philosophy
Proposed: GE 411 History of Geography

3. Course Description Changes

- A. CO 430 Introduction to Systems Programming
3c-01-3sh Prerequisites: CO 300 and CO 310

Current: Concepts and techniques of systems programming with an emphasis on assembly and compilation of user programs.
Representation

of source language so as to facilitate the needed translation process.

Exercises using various computer systems.

Proposed: Concepts and techniques of systems programming with an emphasis on assembly, linking, loading, and macro processing for user programs. Overview of higher-level language translation and system control. Programming and research projects.

B. CO 362 Unix and C

3c-01-3sh Prerequisites: CO 310 or permission of instructor

Current: Provides a general introduction to UNIX and C including historical roots, current practice, prospects for the future, and hands-

on skills. Students will develop understanding of the features, syntax

and "culture" of UNIX and C through lectures, reading, and projects. UNIX and C will be studied both separately and in synergistic combination. Upon completion of the course, students will have immediately practical awareness and some skills and will be provided with a foundation for further coursework in operating systems,

compiler

construction, and/or graduate study. UNIX is a trademark of Bell Laboratories.

Proposed: An introduction to the history, features, syntax, and applications of Unix and C. Lectures, reading, and hands-on projects.

Coverage includes two or more command interfaces, variations in C, and

portability issues.

C. CO 220 Applied Computer Programming

3c-01-3sh Prerequisites: CO 110 or equivalent

Current: Structured programming principles and techniques, as implemented through the ANS COBOL language; program design using top-down techniques; group programming projects; program and project documentation; introduction to tape and disk files.

Proposed: Structured programming principles and techniques, as implemented through the ANS COBOL language; program design using top-down techniques; program and project documentation; introduction to sequential file algorithms.

D. CO 315 Large File Organization and Access

3c-01-3sh Prerequisite: CO 220

Current: The organization of large computer files for business systems,

information systems, and other applications. Use of COBOL for efficient

file access. Evaluation of file access methods. Advanced topics in

COBOL.

Proposed: The organization of large computer files for business systems, information systems, and other applications. Use of advanced COBOL for efficient file access. Evaluation of file access methods and directory organizations. Introduction of random file algorithms and integrated file systems.

E. Honors College

The Honors College Committee (HCC) has developed procedures to be used in the development, review, and approval of Honors College courses. Procedures have been defined for the approval of a new honors course, an honors section of an existing course, and a new honors course that originates from more than one department. These procedures parallel that which is used for approval of a new Liberal Studies course, a writing intensive section of an existing course, and a synthesis course.

The UWUCC has reviewed and accepted these procedures which are listed below for the Senate's information.

Procedures for Approval of a New Honors Course

- Department Approval (Curriculum Committee and Chair)
- College Curriculum Approval
- College Dean's Approval (in consultation with Provost)
- Honors College Committee Approval
- Liberal Studies Committee Approval (if Liberal Studies)
- UWUCC Approval
- Senate Approval
- President and Council of Trustees Approval
- Catalog Change Forwarded by UWUCC to Catalog Editor

Procedures for Approval of a New Honors Course That Originates From More Than One Department

- Approval of All Course Proposers
- Approval of Chairs of All Departments Involved
- Approval of Deans of All Colleges Involved (in consultation with Provost)
- Honors College Committee Approval
- Liberal Studies Committee Approval (if Liberal Studies)
- UWUCC Approval
- Senate Approval
- President and Council of Trustees Approval
- Catalog Change Forwarded by UWUCC to Catalog Editor

Procedure for Approval of an Honors Section of an Existing Course

Department Approval (Curriculum Committee and Chair)
College Dean's Approval
Honors College Committee Approval
Liberal Studies Committee Informed of HCC Action (if Liberal
Studies)
UWUCC Informed of HCC Action
Senate Informed of HCC Action
President and Council of Trustees Informed of HCC Action

There was intense discussion with regards to the Procedure for Approval of a New Honors Course That Originates From More Than One Department. It was argued that the Departmental Approval by the Curriculum Committee and Chair for all the Departments involved should be a part of the procedure. The Senate then APPROVED not to accept this procedure from all the items presented for information and to have the Curriculum Committee present it again later.

The Senate APPROVED the following items:

1. Department of Special Education and Clinical Services

Program Revision

Bachelor of Science -- Rehabilitation
Liberal Studies: as outlined in Liberal Studies 54-55
Section with the following specifications:
Mathematics: MA217
Natural Science: Laboratory Science sequence required
Social Science: PC101, SO151
Liberal Studies electives: PC321, no courses with RH
prefix

Major: 48

Required courses:

	RH200	Introduction to Rehabilitation	3 sh	
sh	RH211	Medical Aspects of Rehabilitation		3
	RH220	Neurological Basis of Disability		3
sh				
	RH312	Psychological Basis of Disability		3
sh				
	RH321	Principles & Methods of Rehabilitation		3
sh				
	RH322	Rehabilitation Case Study & Interpretation		3
sh				
	RH360	Rehabilitation Counseling: Strategies		3
sh				
	RH410	Vocational Assessment in Rehabilitation		3
sh				
	RH412	Occupational Aspects of Rehabilitation		3
sh				
	RH422	Current Topics in Rehabilitation		3
sh				
	RH460	Advanced Rehabilitation Counseling	3 sh	
	RH484	Directed Rehabilitation Activities	3 sh	
sh	RH488	Field Training in Rehabilitation		6
sh	RH493	Field Training in Rehabilitation		6

Other Requirements: 6-7

Required course:

	EX111	Introduction to Exceptional Persons	3 sh	
	Controlled elective(s): (*)			3-4 sh
	BI150	Human Anatomy	3 sh	
	BI151	Human Physiology	4 sh	
sh	BI155	Human Anatomy & Physiology		4
	EH115	Introduction to Sign Language	1 sh	
sh	EH244	Intermediate Sign Language		1
	EH331	Advanced Sign Language	1 sh	
	EX340	Introduction to Behavior Management	3 sh	
	EX416	Education of Persons with Emotional or Behavioral Disorders	3 sh	
	EX417	Education of Persons with Mental Retardation or Developmental Disabilities		3
sh				
	EX418	Education of Persons with Physical or Multiple Disabilities	3 sh	
	EX419	Education of Persons with Brain Injuries or Learning Disabilities		3
sh				
	HP221	Human Structure and Function	3 sh	
	PC312	Adult Development and Aging		3
sh				

PC378	Psychology of Death and Dying	3 sh
SO251	Sociology of Human Sexuality	3 sh
SO335	Alcohol and Drug Abuse	3 sh

Free Electives: 14-16

Total Degree Requirements: 124

prerequisites (*) Some Controlled Elective choices have
that may be used as Free Electives.

Table comparing old and new programs.

Current program choices for
controlled electives (3-4 sh):
Revised program choices for controlled
electives (3-4 sh):

BI155 Human Physiology & Anatomy 4
sh
BI155 Human Physiology & Anatomy 4 sh

HP221 Human Structure & Function 3
sh
HP221 Human Structure & Function 3 sh

BI150 Human Anatomy 3 sh

BI151 Human Physiology 4 sh

EH115 Introduction to Sign
Language 1 sh

EH244 Intermediate Sign Language 1 sh

EH331 Advanced Sign Language 1 sh

EX340 Introduction to Behavior
Management 3 sh

EX416 Education of Persons with
Emotional or Behavioral
Disorders 3 sh

EX417 Education of Persons with Mental

Retardation or Developmental
Disabilities 3 sh

EX418 Education of Persons with
Physical or Multiple
Disabilities 3 sh

Current program choices for
controlled electives (3-4 sh):
Revised program choices for controlled
electives (3-4 sh):

EX419 Education of Persons with
Brain Injuries or Learning
Disabilities 3 sh

PC312 Adult Development and Aging 3 sh

PC378 Psychology of Death and Dying 3 sh

SO251 Sociology of Human Sexuality 3 sh

SO335 Alcohol and Drug Abuse 3 sh

Rationale for change: The proposed revision expands the list of courses from which a student may select for a "controlled elective". This provides students with the opportunity to a course they feel will add to their professional development. The field of Rehabilitation is broad and this will help us accommodate the needs of students interested in specializing in diverse aspects of the field.

2. Department of Computer Science

a. Program Revision in the Minor

Current catalog description of the minor

Minor:	15 credits
Required Courses	
CO electives	15 sh (1)

(1) No more than six credits may be from courses numbered 205 or lower.

(2) CO 101 (see minor adviser for suggestions)
Microbased Computer Literacy is an appropriate entry course for minors
or for students who wish to take only one course.

Proposed catalog description of the minor

Minor:	15 credits
Required Courses	
CO electives	15 sh(1,2)

(1) The minor in Computer Science consists of fifteen (15) semester hours of CO electives. At least nine (9) semester hours of the fifteen

must be from CO courses numbered higher than 200.
(2) CO 101 Microbased Computer Literacy is an appropriate entry course
for minors or for students who wish to take only one course. See minor
adviser for suggestions.

Rationale: The intention of the CO Department in formulating the requirement for the minor has always been to insure that students who elect to minor in CO should complete several middle or higher level courses that our majors take and that are appropriate for the student doing the minor. The current wording excludes students from taking more

than two lower-level courses (numbered less than or equal to 205). The

new wording places no penalty on the students who wish to take more than

two lower level courses, as long as they complete at least three middle

or higher level courses. The new wording permits students, who want more background before taking the middle or higher level courses, to take additional lower level courses.

The new wording makes it possible for secondary education majors (the only students permitted to take CO 205) to count CO 205 among the middle

and higher level courses. CO 205 was developed specifically for education (particularly Math-Ed) students.

B. Course Revision

CO 250 Introduction to Numerical Methods 3c-01-3sh

Current Prerequisites: CO 110, MA 102, MA 122 or MA 123 or MA 127

Proposed Prerequisites: CO 110, MA 122 or MA 123 or MA 127

Rationale: The Math Department is no longer offering MA 102.

Note: The current catalog already reflects this deletion. This item is on the agenda in order that the deletion is a matter for Senate record.

3. Department of Nursing and Allied Health Professions

Program Revision: Medical Technology

Catalog Copy:

Medical Technology encompasses the study of analytical and diagnostic procedures used in clinical laboratories and in medical research. Medical technologists perform a variety of laboratory tests upon which the physician depends for accurate diagnosis, prognosis, and proper treatment of the patient. The program of studies, presented jointly by IUP and accredited medical technology programs in hospitals, prepares the student to enter the profession. Upon completion of the four-year program, the degree of Bachelor of Science in Medical Technology is granted. The program also prepares the student for graduate and professional schools.

IUP maintains short- and long-term affiliations with selected hospital schools. The Allied Health Professions coordinator provides student counseling and maintains a liaison with hospital schools. However, since admission to any hospital program is on a competitive basis, IUP cannot guarantee admission into any hospital program.

The following programs maintain permanent agreements of affiliations with IUP: Abington Memorial Hospital, Abington; Altoona Hospital, Altoona; Conemaugh Valley Memorial Hospital, Johnstown; Lancaster General Hospital, Lancaster, Latrobe Area Hospital, Latrobe; Polyclinic Medical Center, Harrisburg; Medical College Hospitals, Elkins Park; Scranton Medical Technology Consortium, Scranton; St. Vincent Health Center, Erie; and Washington Hospital, Washington. Other temporary affiliations are negotiated for the convenience of the student.

Completion of academic studies at IUP and one year of clinical experience qualifies the student to take a national certification examination. Successful results on this examination lead to certification as a professionally qualified medical technologist.

Table comparing current and proposed curriculum

Current Medical Technology Program

Liberal Studies:

45sh

Composition: EN 101, EN 202

Humanities: 3 courses--one in each area
(PH 222 recommended)

Fine Arts: one course

Mathematics: MA 110 or higher level

Natural Science: PY 111/121 and 112/122

Social Sciences: three courses

Health and Wellness/ROTC: H&W recommended

Liberal Studies electives or synthesis: one
course

Major:

32sh

Required courses (1)

MT 494 Clinical Microbiology 8sh

MT 495 Clinical Chemistry 10sh

MT 496 Clin Hematology/Coagulation 6sh

MT 497 Clinical Immunohematology 4sh

MT 498 Clinical Immunology/Serology 2sh

MT 499 Clinical Seminar 2sh

Other Requirements: Science sequence

45sh

Required courses:

BI 105 Cell Biology# 4sh

BI 120 Animal Biology# 5sh

BI 361 Microbiology# 3sh

BI 364 Immunology 3sh

CH 111 General Chemistry I 4sh

CH 112 General Chemistry II 4sh

CH 231 Organic Chemistry I 4sh

CH 232 Organic Chemistry II 4sh

CH 323 Analytical Methods 4sh

CH 351 Biochemistry 4sh

Controlled electives:

Two courses from list:

6sh

BI 263, 352, 360, 472#, 476

#Deleted from proposed program

Free Electives:

4sh

BI 151 Human Physiology strongly recommended

Total Degree Requirements

126sh

(1) These courses are offered by our affiliating hospital-based clinical programs. These areas of study are consistent with requirements of the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS). All six of these areas of study are completed during the final twelve months of the degree program at one of the affiliating hospitals.

Proposed Medical Technology Program

Liberal Studies:

45-

47sh

Composition: EN 101, EN 202

Humanities: 3 courses--one in each area

(PH 222 recommended)

Fine Arts: one course

Mathematics: MA 110 or higher level

Natural Science: CH 111-112

Social Sciences: three courses

Health and Wellness/ROTC: H&W recommended

Liberal Studies elective: PY 111

Synthesis: not required

Writing Intensive: one required

Major:

32sh

Required courses (1)

MT 494 Clinical Microbiology 8sh

MT 495 Clinical Chemistry 10sh

MT 496 Clin Hematology/Coagulation 6sh

MT 497 Clinical Immunohematology 4sh

MT 498 Clinical Immunology/Serology 2sh

MT 499 Clinical Seminar 2sh

Other Requirements: Science sequence

37-

39sh

Required courses:

BI 111 Principles of Biology I* 4sh

BI 250 Principles of Microbiology 3sh

BI 364 Immunology 3sh

CH 231 Organic Chemistry I 4sh

CH 232 Organic Chemistry II 4sh

CH 323 Analytical Methods 4sh

CH 351 Biochemistry 4sh

PY 121 Physics I Lab 1sh

PY 112/122 Physics II Lecture/Lab 4sh

Controlled Electives:

Two courses from list:

BI112*, 120*, 151*, 263, 331*, 350*, 352, 360, 432*,

466*, 476

*Added to proposed program

Free Electives:

6-

10sh

Total Degree Requirements

124sh

(1) These courses are offered by our affiliating hospital-based clinical programs. These areas of study are consistent with requirements of the National Accrediting

Agency for Clinical Laboratory Sciences (NAACLS). All six of these areas of study are completed during the final twelve months of the degree program at one of the affiliating hospitals.

Rationale: The revision is consistent with the recent changes in the Biology curriculum. The revision will also expand the students choice of controlled electives and increase the number of free electives in the program.

4. New Course Proposals

1. SP 244 Modern Mexico 3c-01-3sh

Prerequisite: SP 201 or equivalent and participation in the Mexico Summer Study Abroad Program

This course, taught in Mexico as part of the study abroad program, introduces students to the contemporary culture of the largest Spanish-speaking country in the world. A historical perspective is provided within which to understand current phenomena. Textbook readings are supplemented with readings from literary works and current periodicals. Students will gain first-hand experience both through field trips and by living with a Mexican family. Taught in Spanish.

2. LC 075 Reading and Study Skills Applications

1c-01-1sh for institutional credit

Prerequisites: LC permission

Assists students in the application of college-level reading and study skills to content-area coursework. Intended for freshman students in poor academic standing who need additional and individualized guidance in the transfer of learning strategies into day-to-day reading and coursework. Students will participate in small-group instruction, as well as individual appointments with the instructor.

3. BI 363 Medical Microbiology 2c-31-3sh

Prerequisites: BI 250 or permission

Study of disease caused by microorganisms with emphasis on human pathogens. Both epidemiology and aspects of host-parasite relationships will be discussed. Lab stresses methods of isolation and identification of pathogens.

4. GS 337 Geology of Newfoundland 3 credits (var 3sh)

Prerequisite: Permission of instructor

A field course designed to utilize the exceptional and diverse

geologic features of Newfoundland for instruction of departmental majors and minors in tectonic analysis utilizing sedimentologic, stratigraphic and paleontologic observations. (3 weeks, summer only)

5. Department of Human Development and Environmental Studies

Program Revision--Home Economics Education

Catalog Copy:

Home Economics Education

The Home Economics Education major prepares students for the teaching of home economics-related subjects in the public schools.

Coursework

is required in all areas of home economics/family and consumer sciences, including child development and family relations, consumer economics, clothing, foods, and interior design/housing. Professional education courses are also required.

Bachelor of Science in Education-Home Economics Education(*)

Liberal Studies: As outlined in Liberal Studies section with the following specifications:
54-56sh

Natural Science: CH101-102

Social Science: PC101, SO151

Liberal Studies electives: CS315, no courses with HE prefix

College:

33sh

Professional Education Sequence:

CM301 Technology for Learning Instruction

3sh

ED242 Pre-student Teaching Clinical Experience I

1sh

ED342 Pre-student Teaching Clinical Experience II

1sh

ED431 Student Teaching in Home Economics

6sh

ED441 Student Teaching

6sh

ED442 School Law

1sh

EP202 Educational Psychology

3sh

EP377 Educational Tests and Measurements

3sh

FE202 American Education in Theory and Practice

3sh

HE350 Teaching Family Life Education

3sh

HE450 Teaching Vocational Home Economics

3sh

Major:

35sh

Required Courses:

- CS101 Personal and Family Management
- 3sh
- CS112 Fundamentals and Clothing Construction
- 3sh
- CS312 Housing and Culture
- 3sh
- CS314 Textiles
- 3sh
- FN150 Foods
- 4sh
- FN212 Nutrition
- 3sh
- HE218 Child Development
- 3sh
- HE220 Teaching in Child Development Centers
- 4sh
- HE224 Marriage and Family Relations
- 3sh

Controlled electives:

- One from list: CS213 or CS413
- 3sh
- One from list: HE424 or HE463
- 3sh

Free Electives	0-2sh	(#)	Total
Degree Requirements:	124		

(* See requirements leading to teacher certification in the catalog section on Academic Policies, "Admission to Teacher Education."

Table comparing old and new program.

Bachelor of Science in Education - Home Economics Education

Old Program

Liberal Studies: As outlined in Liberal Studies section with the following specifications:

54sh

Natural Science: CH101-102

Social Science: PC101, SO151

Liberal Studies electives: CS315, no course with HE prefix

College:

Professional Education Sequence:

ED242 Pre-student Teaching Clinical Experience I

1sh

ED342 Pre-student Teaching Clinical Experience II

1sh

ED431 Student Teaching in Home Economics

6sh

ED441 Student Teaching 6sh
ED442 School Law

1sh

EP202 Educational Psychology

3sh

EP377 Educational Tests and Measurements

3sh

FE202 American Education in Theory and Practice

3sh

*HE250 Introduction to Teaching Vocational Home Economics Education

3sh

HE350 Teaching Family Life Education

3sh

HE450 Teaching Vocational Home Economics

3sh

Major:

44sh

Required Courses:

CS101 Personal and Family Management

3sh

CS112 Fundamentals of Clothing Construction

3sh

3sh	*CS217 Interior Design
	*AR120 Principles of Design (prerequisite for CS217)
2sh	CS312 Housing and Culture
3sh	CS314 Textiles
3sh	FN150 Foods
4sh	FN212 Nutrition
3sh	HE218 Child Development
3sh	HE220 Teaching in Child Development Centers
4sh	HE224 Marriage and Family Relations
3sh	Controlled Electives:
	*One from list: CS212, CS453, CS454
3sh	One from list: CS213 or CS413
3sh	*One from list: HR313 or FN362
3-4sh	One from list: HE424 or HE463
3sh	
	Other requirements (select one):
3-4sh	*BI115 Human Physiology and Anatomy
4sh	*BI232 Fundamentals of Microbiology
3sh	
	Free Electives:
0	

Total Degree Requirements
136-139

New Program

Bachelor of Science in Education - Home
Economics Education(*)

Liberal Studies: As outlined in Liberal
Studies section with the following
specifications: 54-56sh

Natural Science: CH101-102

Social Science: PC101, SO151

Liberal Studies electives: CS315, no course
with HE prefix

College:

33sh

Professional Education Sequence:

+CM301 Technology for Learning

Instruction

3sh

ED242 Pre-student Teaching Clinical

Experience I

1sh

ED342 Pre-student Teaching Clinical

Experience II

1sh

ED431 Student Teaching in Home

Economics

6sh

ED441 Student Teaching

6sh

ED442 School Law

1sh

EP202 Educational Psychology

3sh

EP377 Educational Tests and

Measurements

3sh

FE202 American Education in Theory and

Practice

3sh

HE350 Teaching Family Life Education

3sh

HE450 Teaching Vocational Home

Economics

3sh

Major:

35sh

Required Courses:

CS101 Personal and Family Management

3sh

CS112 Fundamentals of Clothing

Construction

3sh

	CS312 Housing and Culture	
3sh		
	CS314 Textiles	
3sh		
	FN150 Foods	
4sh		
	FN151 Foods Lab	
	FN212 Nutrition	
3sh		
	HE218 Child Development	
3sh		
	HE220 Teaching in Child Development Centers	
4sh		
	HE224 Marriage and Family Relations	
3sh		
	Controlled Electives:	
	One from list: CS213 or CS413	
3sh		
	One from list: HE424 or HE463	
3sh		
	Free Electives:	0-
2sh		
	Total Degree Requirements	
124		

Key: + - course added
 * - course deleted

Rationale for change

IUP has the only remaining public university program in Home Economics education in Pennsylvania, yet Home Economics is a mandate for the state's public schools in Chapter 5 regulation of the revised education code. This creates a continual demand for Home Economics teachers. The existing curriculum requires five years for a student to complete, which is a deterrent to students and also impedes our ability to supply an adequate number of graduates to meet anticipated market demands.

The proposed curriculum reduces the required credit hours to 124, the overall university requirement for a baccalaureate degree. This change follows recommendations from the 1993 evaluation by P.D.E. and NCATE. The 124-hour program fulfills the requirements of P.D.E., NCATE and the National Home Economics teacher examination.

Drop HE 250 Introduction to Teaching Vocational Home Economics Education
There is overlap among the outcomes of 250, 350, and 450 to the extent that one of them is expendable.

Drop CS 217 Interior Design and its prerequisite AR 120, Principles of Design
Required course CS 312, Housing and Culture,
incorporates the elements of CS 217 that are needed by Home Economics majors.

Drop choice of: CS 212 Advanced Clothing Construction
CS 453 Flat Pattern Design
CS 454 Tailoring
The focus of Home Economics in the schools has changed from culinary and clothing skills to consumer education and family and child studies, as reflected in the new mandate. Requirements in this are fulfilled by CS 112, Fundamentals of Clothing Construction, and CS 314, Textiles. See the attached letter from Ms. Roberta Brown, Home Economics Specialist for the Pennsylvania Department of Education.

Drop choice of: HR 313 Food Systems I
FN 362 Experimental Foods
Again, the focus of Home Economics in the schools has changed (see above), and these courses represent a level of specialized knowledge that the Home Economics teacher,

as a generalist, does not require.

Drop either BI 155 Human Physiology and Anatomy OR
 BI 232 Fundamentals of Microbiology
The curriculum includes CH 101 and CH 102, College
Chemistry I & II, as requirements to meet the liberal
studies requirement in a laboratory science. Therefore,
it is not necessary to require both of these science
courses. This drop is supported by the Biology Dept.

for Add CM 301 Technology for Learning Instruction
 This course presents the most appropriate opportunity
other our majors to become technologically literate. All
 education certifications include CM 301.

GRADUATE COMMITTEE - CHAIRPERSON NASTASE

Chairperson Nastase presented the following items for Senate information:

A. Course Prefix Changes

	FROM:		
s.h.	GR 951	Extended Dissertation	1
	TO:		
s.h.	CR 951	Extended Dissertation	1
s.h.	EL 951	Extended Dissertation	1
s.h.	EN 951	Extended Dissertation	1
s.h.	EP 951	Extended Dissertation	1
s.h.	LP 951	Extended Dissertation	1
s.h.	PC 951	Extended Dissertation	1

Rationale: The change would make it possible to identify the department- specific course CIP code needed for preparing cost accounting and Snyder reports.

B. Course Renumbering

	FROM:		
s.h.	CM 669	Internship	2-6

TO:

s.h. CM 698 Internship 2-6

C. Course Title Change

FROM:
s.h. AC 625 Teaching and Learning in Adult and Community Education 3

TO:
s.h. AC 625 Facilitating Adult Learning 3

D. Course Description Change

FROM:
s.h. BI 602 Biometry 3
The choice and application of standard, efficient, practical, and appropriate statistical techniques for data analyses in common biological research situations.

TO:
s.h. BI 602 Biometry 3
The choice and application of standard, efficient, practical, and appropriate statistical techniques for data analyses in common biological situations. Computer instruction will emphasize the practical application of statistical techniques using statistical packages on microcomputers and the IUP mainframe computer.

Lecture
and computer instruction will be combined in four class hours per week.

Rationale: Being able to use a computer successfully as a useful tool is obviously of paramount importance today. This is especially true with the current emphasis on statistical accountability in biological research. The use of the computer has become an essential tool in analyzing large amounts of data, and our students will be at a great disadvantage if they do not have this ability and experience. Adding computer instruction of the same statistical techniques discussed in class would give the student the complete package to efficiently analyze research data.

The Senate APPROVED the following:

- A. Course Deletions
s.h. 1) CM 561 Learning Systems Design 3
s.h. 2) CM 578 Multi-Image Production 3

s.h.	3) CM 600 Seminar in Learning Resources	3
s.h.	4) CM 601 The Classroom Use of Motion Pictures	3
s.h.	5) CM 602 Programming Systematic Instruction	3
B.	New Courses	
s.h.	1) BI 645 Behavioral Ecology	3
	A consideration of the behavioral activities of animals in their natural habitats. Evolutionary and ecological implications of behavior will be stressed. Topics include natural history strategies, resource partitioning, reproduction strategies, sexual selection, cooperation, conflict and social organization.	
s.h.	2) BI 654 Physiological Ecology of Animals	3
	A consideration of physiological responses of animals to environmental variables with emphasis on the evolutionary aspects of the response. The physiology of invertebrates and vertebrates in aquatic and terrestrial environments will be considered. Prerequisite: A course in physiology or permission of the instructor.	
s.h.	3) AC 750 Seminar: Technology and Adult Learning	3
	This course, by providing an advanced forum in which to research, discuss, and document current and emerging topics, issues, and applications in technology and adult learning (with special emphasis on distance learning), serves to synthesize these two fields of inquiry and offers students the opportunity to conceptualize and develop models and strategies for the integrated application of theory and practice learned in earlier courses. Literature reviews, topic analyses, and case studies are used to enhance awareness of critical issues and potential application in real-life settings. Prerequisites: At least 12 completed credits, 6 each in AC and CM courses, and advisor approval.	
s.h.	4) CM 600 Instructional Design and Development	3
	This course examines the systems approach for the design, development, and evaluation of instructional material (print, video, multimedia, etc.). Students will learn about the history of instructional technology and its current applications. Each student will produce a self-instructional prototype which will require the student to systematically and creatively apply the concepts and rules learned in the class.	

- 5) CM 601 Media Production 3
s.h.
In this course students will learn how to systematically plan, produce, use, and evaluate media. Each student will produce different types of messages (motivational, informational, and instructional) using a variety of media.
- 6) CM 614 Instructional Computing Basics 3
s.h.
This course introduces students to the practical use of the computer as a tool for enhancing effectiveness and efficiency in teaching/learning and training and development. Learners will explore the use of the computer in school and non-school teaching or training and development settings, conduct critical evaluation of computer-based instructional/training materials, and develop strategies for integrating computing into the total teaching/training and development environment. Current research in the area of instructional computing and its practical implications for teaching and training and development will also be discussed.
- 7) CM 631 Interactive Multimedia 3
s.h.
This course provides an introduction to designing and producing computer generated multimedia presentations and courseware for industry and education. Prerequisite: CM 614 or permission of the instructor.

C. New Track Within an Existing Program

Master of Arts in Adult Education and Communications Technology
(New Track in the existing program in Adult and Community Education)

Adult Education is a fast-growing field which encompasses the development, delivery, and evaluation of education programs in a broad variety of settings, including business and industry, community colleges, health care, community and social agencies, higher education, corrections, and vocational education. Communications Media is the application of current and emerging technologies to enhance and supplement the delivery of educational and informational programs. The combination of the theory and research from Adult Education and the knowledge and skills in the use of technology from Communications Media will place graduates of the program in an advantageous position in the labor market. Graduates should be

competitive for such employment opportunities as human resources developers in business and industry; production positions in education, business, and government; public relations positions in the public, private, and non-profit sectors; entrepreneurs in the rapidly developing market of external program delivery to government, business, and education; and a variety of other jobs which involve the delivery of education and training and the use of technology.

The purpose of the program is to help students acquire knowledge and skills in theory and research in adult education and in the applications of current and emerging production technologies.

Upon completion of the program, students will be able to:

1. Understand and apply the dynamics of adult development and learning theory to the design and implementation of educational programs and media selection and use.
2. Develop needs assessment procedures to make decisions regarding educational programs and media use.
3. Develop goals and objectives for the design of educational material and the selection and use of media.
4. Develop plans of action for educational programs and the use of technology.
5. Select, design, produce, and evaluate target media.
6. Develop formative and summative evaluation procedures for educational programs and media selection and use.
7. Design educational experiences using instructional design and other systematic approaches.
8. Conduct meaningful educational experiences using appropriate adult education methods.
9. Manage and administer educational and media programs and events.

Program Requirements

I. Core Courses

27 s.h.

AC 621	The Adult Learner	3 s.h.	
AC 622	Program and Process Development in ACE	3 s.h.	
AC 623	Organization and Administration in ACE	3 s.h.	
AC 625	Facilitating Adult Learning	3 s.h.	
CM600	Instructional Design & Development	3 s.h.	
CM601	Media Production	3 s.h.	
CM614	Instructional Computing Basics	3 s.h.	
CM631	Interactive Multimedia	3 s.h.	
AC 750	Seminar: Technology and Adult Learning	3 s.h.	
II. Research Requirements		3 s.h.	
GR 615	Elements of Research	3 s.h.	
EITHER			
3 s.h.	IIIA.	Thesis Option	
	AC/CM 850	Thesis	3 s.h.
OR			
	IIIB.	Non-Thesis Option	6 s.h.
(Six credits of the following)			
	CM698	Internship	3-6 s.h.
		Electives (As approved by advisor)	3-6 s.h.
	Total (Thesis Option)		33 s.h.
	Total (Non-Thesis Option)		36 s.h.

LIBRARY AND EDUCATIONAL SERVICES COMMITTEE - CHAIRPERSON CUNNINGHAM

Chairperson Cunningham informed that the next meeting of the committee would be on Tue. Nov. 14 in Stapleton Library.

NON-CREDIT COMMITTEE - CHAIRPERSON NARDI

The following items were presented for Senate information:

1. Edward Nardi was elected chairperson of the committee.
2. Donna Griffith, Division Director of Conferences and Noncredit Programs, presented a draft of a form for use in evaluation of workshops and professional development programs offered by the School of Continuing Education.
3. The next meeting is scheduled for Tuesday, November 28 at 3:15 p.m.

RESEARCH COMMITTEE - CHAIRPERSON NEUSIUS

Chairperson Neusius presented the following item for Senate information:

1. Reminder that the next deadline for submitting University Senate Research Committee Award proposals is November 29 (\$1500 award). The deadline for IUP Senate Fellowship Awards is 9 (\$3500 maximum award). Application guidelines are from your department chair or the Graduate School Research Office at 110 Stright Hall.

The Meeting was adjourned at 4:30 p.m.

Respectfully submitted,

Francisco Alarcón
University Senate