

Senate Minutes, March 3, 1998

MINUTES OF THE UNIVERSITY SENATE

The March 3, 1998 meeting of the University Senate was called to order by Chairperson Alarcon at 3:15 p.m. in the Alumni Auditorium.

The following Senators were excused from the meeting: Andrew, Anthony, Bish, Brown, Carranza, Chefuta, Grove, Hanrahan, Hemby, Hulings, Kilwein-Guevera, Krishnan, McGonigal, Pettit, Ruffner, Soltis, R. Stonebraker, Villa, B. Walz, Yirenkyi.

The following Senators were absent from the meeting: Abrams, Aguirrezabal, Ault, Baker, Beisel, Bellak, Berish, Bevington, Black, Bukartec, Burns, Bynum, Camp, Carter, Condino, Fisher, Foltz, Halstead, Knouse, Lyons, Mamula, McClure, McFerron, S. Morris, R. Mutchnick, Niebauer, Nowak, Palko, Park, Popp, Ready, Receski, Rivera, Russel, Shiring, Smith, Sordelet, Southard, K. Stonbraker, Taylor, Treaster, Trimble, Vella, Villalobos, Vold, Waid, G. Walz, Wheatley, Wijekumar, Wingard, Wyrick

The minutes of the February 3, 1997 senate meeting were **ACCEPTED**.

Agenda items were **APPROVED**.

REPORTS AND ANNOUNCEMENTS

PRESIDENT'S REPORT (Dr. Pettit)

No report.

PROVOST'S REPORT (Dr. Staszkievicz)

It has recently come to my attention that there is a lot of concern about academic computing. Some changes have been implemented and further changes are being contemplated. Some of those involve personnel decisions, so we have not been very public about some of the things that are happening.

The concerns that I have heard deal with the issue of centralized versus decentralized computing. I am here to assure that those kind of support services have not been diminished. While I will not go into much detail today, I would like to make arrangements to meet with the library and educational services committee over the course of the next month. Then I will make a formal announcement of some of these changes at the next Senate meeting in April.

VICE CHAIRPERSON'S REPORT (Ms. Leonard)

Typed report was not received in time to be included in the minutes.

CHAIRPERSON'S REPORT (Dr. Alarcon)

The Senate representatives to the committee drafting a new Sexual Harassment Policy (Bob Curey and Terry Rittenberger) have been working hard since last Spring. The new proposed policy is

currently undergoing review by the University lawyer and we can expect to have it available next month.

There has been a lot of discussion and questions about the future of academic computing on campus. I have met with the Provost and you can expect an update on proposed changes to academic computing at the April Senate meeting.

Let me remind everyone that if your term as a senator is to expire this year, this is the time to put your name for the upcoming elections. Please contact the chair of the Rules Committee, Peter Broad. I am also asking current chairs of committees to remember to schedule the first meeting of the committee for the 98-99 academic year sometime in May, once we have the results of the April election.

OLD BUSINESS (carryover from February 3, 1997 meeting)

There was no old business.

STANDING COMMITTEE REPORTS

RULES COMMITTEE--Chairperson Broad

No report.

STUDENT AFFAIRS COMMITTEE--Chairperson Barker

No report.

UNIVERSITY DEVELOPMENT & FINANCE COMMITTEE--Chairperson Heckroth

No report.

ACADEMIC COMMITTEE--Chairperson Duntley

Chairperson Duntley presented the following for **Senate information**:

- a. Nominations for Honorary Degree consideration for 1999 and later should be provided to the Committee by the end of March. The letter of nomination should include the rationale of why this person should be considered, especially any IUP, local, or regional connection, and a biography of his/her accomplishments. Often biography comes from one of the reference volumes.
- b. The Committee presents the revision of the Academic Integrity Policy for review in preparation for action at the April Senate meeting (Appendix A). As part of this agenda, you will find a clean copy of the proposed policy. Below you will find an overview of the general and specific changes. If you want to review an edit version (deletions and additions marked), you may access that through the Senate website; contact Senate secretary Ramesh Soni if you need assistance.

Academic Integrity Policy: An Overview:

The basic structure of the policy is unchanged. The general changes that appear throughout the document include:

- a. Moved decision-making locus from Student Affairs to Academic Affairs, but modeled most hearing procedures on those already in place for University Judicial hearings.
- b. Changed wording to more explicitly match SSHE policies.
- c. Tightened and clarified language and organization, especially where administrative procedures proved vague in the past.
- d. Changed emphasis from academic Adishonesty@ to Aintegrity@.
- e. Changed procedures to allow move from paper to electronic record keeping.
- f. Lengthened five-day deadlines to seven-day deadlines to assure all parties adequate time to respond appropriately.

In addition there were some specific changes:

- g. Defined plagiarism more explicitly.
- h. Explicitly indicated student cannot use same paper/work multiple times without permission.
- i. Included language for work being judged by committees rather than by individual faculty members.
- j. Changed composition and quorum of Academic Integrity Board to ensure students will not have a majority. [This was the intent of the original policy.]
- k. Explicitly allows the involuntary withdrawal from part of IUP=s academic or other programs as a potential sanction for a student found in violation of this policy.

The Academic Committee at its regular meeting on March 17 will be available to hear comments and questions. If you plan to attend, please contact Senator Duntley (x4494 or email DDUNTLEY) in advance to reserve time and space.

AWARDS COMMITTEE--Chairperson Domaracki

No report.

CURRICULUM COMMITTEE--Chairperson Kuzneski

Chairperson presented the following for **Senate information**:

1. The UWUCC accepted the following report from the Liberal Studies Committee:

The Liberal Studies Committee approved the following changes in the LS portion of the BS in Respiratory Care:

- a) from AMA 110 or higher@ to AMA 105 or higher@
- b) from ALS elective, one course, from CO 101, PC 378, other course as approved by adviser to ALS elective, one course, BE/CO/IM 101 recommended@.

2. Item of clarification: Each academic program on campus has the opportunity to use 281/481 Special Topics. Previously, these options were not listed in the catalog under the Critical Language program. The Senate is informed that these courses will be listed in future catalogs under the Critical Language program in a format consistent with other academic programs.

At the recommendation of Chairperson Kuzneski, the Senate **APPROVED** the following program revision:

1. Program Revision-Department of Human Development and Environmental Studies

BS in Interior Design

Catalog description for the revised program

The Interior Design program enables graduates to analyze problems, synthesize information, and implement design solutions supportive of the needs of people and the environment. The program emphasizes synthesizing of information and creative problem solving based on interdisciplinary experiences and communicating solutions. The program enables graduates to adapt to a changing world by drawing on history and multi-disciplinary experience, and applying principles of research.

The core of the Interior Design program includes courses addressing space planning, drafting, design graphics, color theory, building systems, materials and finishes, human factors, computer-aided drafting and design (CADD), design development, textiles, lighting, residential and contract design, and professional practice. Detailed information is available from instructors regarding equipment and supplies to be purchased by students for individual courses in this program. Internships present an excellent opportunity for students to gain practical, on-the-job- training and are highly recommended. Experiential learning opportunities in the community augment the program. Students tour a variety of settings including offices, museums, factories, showrooms, retail outlets, and construction sites. Supportive courses are offered in art and business. Graduates are prepared for entry-level positions in commercial and residential design, sales, historic preservation, and showroom management.

Proposed program

Bachelor of Science---Interior Design

Liberal Studies: As outlined in Liberal Studies section 54-55 sh
with the following specifications:

Mathematics: MA 101 or higher

Humanities-Philosophy/Religious Studies: [Recommended] PH223

Fine Arts: AH101

Natural Science: SC105-106

Social Science: PC101, SO151

Liberal Studies electives: AH205 or AH206, BE/CO/IM101, EC122, no courses with ID prefix

Major:

45 sh

Required courses:

ID 105 Intro. to Interior Design	3sh
ID 118 Drafting for Construction I	3sh
ID 205 Color Theory and Application	3sh
ID 218 Drafting for Construction II	3sh
ID 305 Interior Lighting	3sh
ID 310 Human Factors in Interior Design	3sh
ID 313 Materials and Finishes	3sh
ID 315 Residential Design I	3sh
ID 319 Residential Des. II: Kitchen, Bath, Media Room Design	3sh
ID 370 Development of Design I /W/	3sh
ID 380 Development of Design II /W/	3sh
ID 405 Interior Design Profession Practice	3sh
ID 464 Contract Design I	3sh
ID 465 Contract Design II	3sh
FM 314 Textiles	

Other Requirements:

14 sh

Outside concentration:

Business:	6sh
AD101, MK320	
Art:	8sh
AR120	2sh
AR213	3sh
One course from list: AR214, AR215, AR216, AR218,AR219	3 sh

Free Electives:

Total Degree Requirements:

Summary of changes

- 1) Program name: Changed from AInterior Design/Housing@ to AInterior Design@
- 2) Liberal Studies
- a) Course removed: 3
 - i) CH 101 College Chemistry I
 - ii) CH 102 College Chemistry II
 - iii) EC 101 Basic Economics
- b) Courses added: 5
 - i) SC 105 Physical Science I
 - ii) SC 106 Physical Science II
 - iii) Social science course (3 sh) to replace EC 101
 - iv) BE/CO/IM 101 Microbased Computer Literacy
 - v) EC 122 Principles of Economics II
- 3) Courses removed from program but not deleted: 22
- 4) Outside concentration courses moved to requirements: 4
- 5) Course revisions: (including prefix changes) 12
- 6) New courses: 4

Rationale for program changes

The program name is changed from AInterior Design/Housing@ to AInterior Design@ to reflect the increased emphasis on Interior Design. Program revisions are based largely on standards and guidelines published by the Foundation for Interior Design Education Research (FIDER), accrediting body for university-level interior design programs. Revisions are also based on external evaluator comments, feedback from members of the Interior Design Advisory Board, and published results of interior design curriculum research.

At the recommendation of Chairperson Kuzneski, the Senate APPROVED the following course revisions:

Current:

Prefix and number: CS 217
Title: Interior Design

Description: Emphasis upon development of knowledgeable consumers in the selection and design of a home, its furnishing, and its total environment.

Hour designation: 1c-3l-3sh

Proposed:

Prefix and number: ID 105
Title: Introduction to Interior Design
Description: Presents overview of interior design, including introduction to design, selection, and application of components in the interior environment. Emphasis upon development of effective design problem solving skills.
Hour designation: 3c-01-3sh

Current:

Prefix and number: CS 117
Title: Design Graphics
Description: Introduction to drafting and presentation techniques as they relate to interior design. Two- and three-dimensional graphic hand skills including drafting, delineation of shading and perspective, application of color media, texture, tone, and lettering are introduced.
Hour designation: 1c-01-3sh

Proposed:

Prefix and number: ID 118
Title: Drafting for Construction I
Description: Introduces two and three-dimensional graphic skills, including basic drawing, drafting, delineating, perspective drawing; applies principles and elements of design; stresses graphic design and layout
Hour designation: 1c-31-3sh

Current:

Prefix and number: CS 465
Title: Interior Lighting
Description: Lighting fundamentals applicable to the environmental design of residential and commercial spaces. Includes calculation methods, terminology, theory of color visibility, light source alternatives, fixture function and selection, lighting trends, and related professional organizations.
Hour designation: 3c-01-3sh

Proposed:

Prefix and number: ID 305 Prerequisite: ID 105 or equivalent
Title: Interior Lighting
Description: Lighting fundamentals applicable to the environmental design of residential and commercial spaces. Includes calculation methods, terminology, theory of color visibility, light source alternatives, fixture function and selection, lighting trends, and related professional organizations.
Hour designation: 3c-01-3sh

Current:

Prefix and number: CS 357
Title: Interior Design Studio
Description: Creative solutions to problems in interior environments emphasized. Professional interior design practices; design opportunities.
Hour designation: 1c-31-3sh

Proposed:

Prefix and number: ID 315 Prerequisite: ID 218
Title: Residential Design I
Description: Applies interior design space planning and design problem solving processes to residential design, and emphasizes graphic communication and presentation of solutions.
Hour designation: 1c-31-3sh

Current:

Prefix and number: CS 462 /W/
Title: Historic Interiors

Description: Chronological study from ancient times to the mid-19th Century of the dominant influences and characteristics of historical interiors, furniture and ornamental design. Emphasis placed upon style detail and its relationship to social, economic, political, religious and aesthetic influences; and to the contemporary scene. Paper required.

Hour designation: 3c-01-3sh

Proposed:

Prefix and number: ID 370 /W/
Title: Development of Design I

Description: Chronological study from ancient times to the mid-19th Century of the dominant influences and characteristics of historical interiors, furniture and ornamental design. Emphasis placed upon stylistic detail and its relationship to social, economic, political, religious and aesthetic influences; and to the contemporary scene.

Hour designation: 3c-01-3sh

Current:

Prefix and number: CS 463 /W/
Title: Modern Interiors

Description: Chronological study from mid-19th century to the present of the dominant influences and characteristics of the 20th-century interior, furniture, and ornamental design. Emphasis placed upon style detail and its relationship to social, economic, political, religious, and aesthetic influences and to contemporary usage. Paper required.

Hour designation: 3c-01-3sh

Proposed:

Prefix and number: ID 380 /W/ Prerequisite: ID 370
Title: Development of Design II

Description: Chronological study from mid-19th Century to the present of the dominant influences and characteristics of 20th Century interiors, furniture and ornamental design. Emphasis placed upon stylistic detail and its relationship to social, economic, political, religious and aesthetic influences, and contemporary usage.

Hour designation: 3c-01-3sh

Current:

Prefix and number: CS 468
Title: Interior Design Professional Practice

Description: Planning, business organization, management, contracts, procedures, and ethics for the professional interior designer.

Hour designation: 3c-01-3sh

Proposed:

Prefix and number: ID 405 Prerequisite: Junior Standing
Title: Interior Design Professional Practice

Description: Planning, business organization, management, contracts, procedures, and ethics for the professional interior designer.

Hour designation: 3c-01-3sh

Current:

Prefix and number: CS 464
Title: Interior Planning and Drawing
Description: Analysis and design as related to contract applications.
Presentation, appropriate media, equipment, and techniques will be stressed. Freehand and mechanical methods employed to depict floor plans, elevation, and construction details with emphasis on function.
Hour designation: 1c-31-3sh

Proposed:

Prefix and number: ID 464 Prerequisite: ID 319
Title: Contract Design I
Description: Applies interior design space planning and design problem solving processes to non-residential design, and links goals in interior design and facility management.
Hour designation: 1c-31-3sh

At the recommendation of Chairperson Kuzneski, the senate APPROVED the following changes in course prefix only:

Current:

Prefix and number: CS 205
Title: Color Theory and Application
Description: The theoretical basis of color is presented as it relates to the human visual system, light, pigment, perception, and measurement. The application of color theory is discussed in terms of interior design, merchandising, and display.
Hour designation: 3c-01-3sh

Proposed:

Prefix and number: ID 205
Title: Color Theory and Application
Description: The theoretical basis of color is presented as it relates to the human visual system, light, pigment, perception, and measurement. The application of color theory is discussed in terms of interior design, merchandising, and display.
Hour designation: 3c-01-3sh

Current:

Prefix and number: CS 213
Title: Residential Appliances and Consumer Electronics
Description: Consumer education in the selection, use, and care of home equipment appliances and consumer electronics; the relationship of energy sources and utilities to major appliances, portable and personal care appliances, and consumer electronics.
Hour designation: 2c-21-3sh

Proposed:

Prefix and number: ID 213
Title: Residential Appliances and Consumer Electronics
Description: Consumer education in the selection, use, and care of home equipment appliances and consumer electronics; the relationship of energy sources and utilities to major appliances, portable and personal care appliances, and consumer electronics.
Hour designation: 2c-21-3sh

Current:

Prefix and number: CS 310 Prerequisite: Junior Standing
Title: Human Factors in Interior Design

Description: The study of human and technology systems interface as related to interior design. Emphases on ergonomic and economic decision making to insure that the user can function with a minimum of stress and a maximum of efficiency.
Hour designation: 3c-01-3sh

Proposed:

Prefix and number: ID 310 Prerequisite: Junior Standing
Title: Human Factors in Interior Design

Description: The study of human and technology systems interface as related to interior design. Emphases on ergonomic and economic decision making to insure that the user can function with a minimum of stress and a maximum of efficiency.
Hour designation: 3c-01-3sh

Current:

Prefix and number: CS 312
Title: Housing and Culture

Description: Managerial, sociological, economic, and aesthetic aspects of housing and people are investigated as well as a consideration of the environment of the home as part of the community.
Hour designation: 3c-01-3sh

Proposed:

Prefix and number: ID 312
Title: Housing and Culture

Description: Managerial, sociological, economic, and aesthetic aspects of housing and people are investigated as well as a consideration of the environment of the home as part of the community.
Hour designation: 3c-01-3sh

At the recommendation of Chairperson Kuzneski, the Senate APPROVED the following four new courses:

Prefix and number: ID 218 Prerequisites: ID 118, IM/BE/CO 101
Title: Drafting for Construction II
Description: Introduces basic computer aided drafting and design (CADD) for designers; emphasizes CADD theory and the value of the computer as a problem solving, design tool.
Hour designation: 1c-31-3sh

Prefix and number: ID 313 Prerequisite: FM 314
Title: Materials & Finishes
Description: An introduction to the modern and historic use and maintenance of materials in architecture, construction, and interior design and the codes and costs that govern their use today. Consideration is given to contemporary methods of harvesting, preparation, and manufacture of building materials and the evaluation of the impact of these processes on the environment.
Hour designation: 3c-01-3sh

Prefix and number: ID 319 Prerequisite: ID 315
Title: Residential Design II: Kitchen, Bath, Media Room Design
Description: Design elements are applied to kitchen, bath, and media room areas

of the residence to provide design solutions supporting individual needs and changing lifestyles. The course addresses the needs of special populations. Current national standards will be addressed.

Hour designation: 1c-3l-3sh

Prefix and number: ID 465 Prerequisite: ID 464

Title: Contract Design II

Description: A studio, project-based course, ascertaining the process to be followed in developing large scale non-residential interior design schemes of over 10,000 square feet.

Hour designation: 1c-3l-3sh

At the recommendation of Chairperson Kuzneski, the Senate **APPROVED** the following course revision:

Current: FM 314 Textiles 2c-2l-3sh

Prerequisite: CH 102

Analyses of textile components of fiber, yarn, fabrication, finishes, and color with emphasis upon consumer acquisition, use, and satisfaction. (Offered as CS 314 prior to 1996-97)

Proposed: FM 314 Textiles 2c-2l-3sh

Prerequisite: CH 102 or permission

Analyses of textile components of fiber, yarn, fabrication, finishes, and color with emphasis upon consumer acquisition, use, and satisfaction. (Offered as CS 314 prior to 1996-97)

At the recommendation of Chairperson Kuzneski, the Senate **APPROVED** the following program revision:

Program Revision - Department of Nursing and Allied Health Professions

BS in Respiratory Care

Catalog description:

Respiratory therapists assist physicians in the care of patients who have respiratory system problems or illnesses that relate to breathing. Their assistance includes administering gaseous drugs and executing therapeutic procedures. Included are the operation and maintenance of specialized equipment.

The program leads to the Bachelor of Science Degree in Respiratory Care. Presented jointly by IUP and the Western Pennsylvania Hospital in Pittsburgh, the program offers intensive theoretical and applied knowledge to produce highly skilled graduates who are prepared to enter the profession as therapists or instructors.

Two academic years of university studies, followed by two academic years of hospital studies and clinical practice, constitute the program. Students must earn a QPA of 2.25 in Natural Sciences and Mathematics courses to be considered for admission into the clinical years in Respiratory Care. However, since admission to the hospital is competitive, IUP cannot guarantee admission into the hospital program.

Current Respiratory Therapy Program

Bachelor of Science--Respiratory Care

Liberal Studies: As follows **45**

Composition: EN101, EN202

Humanities: Three courses, one in each area (PH 222 recommended)

Fine Arts: one course

Mathematics: MA110 or higher level

Natural Science: CH101-102

Social Sciences: PC101, SO 151, non-Western course

Health and Wellness/ROTC: H&W recommended

Liberal Studies electives: one course from:

CO101, PC378, other course as approved by advisor

Synthesis: not required

Major:

Required courses:

Completed in junior and senior years at Western

Pennsylvania Hospital in Pittsburgh

RT326 Respiratory Care Clinical Practice I 3sh

RT327 Pharmacology 3sh

RT328 Introduction to Respiratory Care 4sh

RT329 Respiratory Care Instrumentation? 4sh

RT330 Cardiopulmonary Resuscitation 2sh

RT331 Introduction to Ventilator Management? 1sh

RT333 Respiratory Care Clinical Practice II 4sh

RT334 Respiratory Care Instrumentation and

Application

RT335 Nursing Arts? 3sh

RT336 Cardiopulmonary Evaluation and Clinical Correlation

RT337 Introduction to Pulmonary Functions 1sh

RT426 Respiratory Care Clinical Practice III 5sh

RT427 Applied Pulmonary Physiology? 4sh

RT428 Essentials of Electrocardiography 2sh

RT429 Design and Function of Respiratory Care Program 2sh

RT430 Pulmonary Function Studies? 2sh

RT431 Pediatric Respiratory Care 1sh

RT433 Respiratory Care Clinical Practice IV 5sh

RT434 Neonatal Respiratory Care 3sh

RT436 Respiratory Care Teaching 2sh

RT437 Methods in Critical Care 2sh

RT438 Cardiopulmonary Rehabilitation 1sh

Other Requirements 18

Science courses:

BI105 Cell Biology 4sh

BI150 Human Anatomy 3sh

BI151 Human Physiology 4sh

BI241 General Microbiology 3sh

PY151 Medical Physics Lecture 3sh

PY161 Medical Physics Lab 1sh

Free Electives: 0

(#) Total Degree Requirements 125

(#) See advisory paragraph "Timely Completion of Degree Requirements" in catalog section on Requirements for Graduation

?Deleted from Program

Proposed Respiratory Therapy Program

Bachelor of Science--Respiratory Care

Liberal Studies: As follows

45-47

Composition: EN101, EN202

Humanities: Three courses, one in each area (PH222 recommended)

Fine Arts: one course

Mathematics: MA105 or higher level

Natural Science: CH101-102

Social Sciences: PC101, SO151, non-Western course

Health and Wellness/ROTC: H&W recommended

Liberal Studies electives: One course;

CO101/BE101/IM101 recommended

Synthesis: not required

Writing Intensive: not required

Major:

Required courses:

RT101 Profession of Respiratory Care I? 1sh

RT326 Respiratory Care Clinical Practice I 3sh

RT327 Pharmacology 3sh

RT328 Introduction to Respiratory Care 4sh

RT329 Respiratory Care Equipment? 4sh

RT330 Cardiopulmonary Resuscitation 2sh

RT333 Respiratory Care Clinical Practice II 4sh

RT334 Respiratory Care Instrumentation and

Application

RT335 Patient Care Skills? 3sh

RT336 Cardiopulmonary Evaluation and

Clinical Correlation

RT337 Introduction to Pulmonary Functions 1sh

RT426 Respiratory Care Clinical Practice III 5sh

RT425 Clinical Case Studies? 3sh

RT428 Essentials of Electrocardiography 2sh

RT429 Design and Function of Respiratory Care

Program

RT430 Pulmonary Function Studies? 3sh

RT431 Pediatric Respiratory Care 1sh

RT433 Respiratory Care Clinical Practice IV 5sh

RT434 Neonatal Respiratory Care 3sh

RT436 Respiratory Care Teaching 2sh

RT437 Methods in Critical Care 2sh

RT438 Cardiopulmonary Rehabilitation 1sh

Other Requirements 17

Science courses:

BI105 Cell Biology 3sh

BI150 Human Anatomy 3sh

BI151 Human Physiology 4sh

BI241 General Microbiology 3sh

PY151 Medical Physics Lecture 3sh

PY161 Medical Physics Lab 1sh

Free Electives: 0

(#) Total Degree Requirements 124-126

NOTE:

1. See advisory paragraph "Timely Completion of Degree Requirements" in catalog section on Requirements for

Graduation

2. Qualified students are encouraged to elect RT 342 Preceptorship in Respiratory Care in which case total credits would be 126-130.

3. RT three hundred and four hundred level courses are completed at Western Pennsylvania Hospital in Pittsburgh.

?Added to proposed program

?Revision made to course, ie, credits, title

Summary of Changes:

The following courses have been deleted:

RT 331 Introduction to Ventilatory Management
RT 427 Applied Pulmonary Physiology

The following courses have been added:

RT 101 The Profession of Respiratory Care
RT 342 Preceptorship in Respiratory Care
RT 425 Clinical Case Studies

The following course has a title change:

RT 335 Nursing Arts to **Patient Care Skills**

The following courses have been revised:

RT 329 Respiratory Care Instrumentation
RT 430 Pulmonary Function Studies

Liberal Studies Change:

PC 378 is no longer recommended as a liberal studies elective.

Rationale: Program changes have been in response to changes in the health care delivery system. Two courses (RT 331, 427) have been deleted because of advances in technology and changes out of the Center for Disease Control (CDC) that warranted the replacement and/or elimination of some respiratory equipment content. RT 430 has been expanded because the emerging role of respiratory therapists requires them to perform new studies, interpret new data and recommend and implement new therapies for traditional and non-traditional groups of patients. Three new courses have been created to provide students with exciting and creative ways to learn about the profession. RT 425 will be taught using the case study method. RT 101 introduces students to respiratory care profession, while RT 342, an elective, offers students an opportunity to gain additional clinical experience while working with a preceptor. Name change for RT 335 better describes the course.

At the recommendation of Chairperson Kuzneski, the Senate **APPROVED** the following course deletions:

RT 331 Introduction to Ventilatory Management
RT 427 Applied Pulmonary Physiology

At the recommendation of Chairperson Kuzneski, the Senate **APPROVED** the following course revisions:

Current Title and Description

RT 430 Pulmonary Function Studies 2 credits
2 lecture hours
(2c-01-2sh)

Prerequisites: RT337

Principles, techniques, and equipment employed in pulmonary diagnostics are explored. Diagnostic studies include basic spirometry, flow-volume loops, diffusion studies, exercise testing, bronchoprovocation studies, and small airways diagnostics.

Proposed Title and Description

RT 430 Pulmonary Function Studies 3 credits
3 lecture hours
(3c-01-3sh)

Prerequisites: RT337

Introduces the student to the advanced diagnostic studies and equipment necessary for diagnosing and quantifying the various lung diseases. Included are advances in invasive studies and rehabilitation evaluation tools.

Current Title and Description

RT 329 Respiratory Care Instrumentation 4 credits
4 lecture hours
(4c-01-4sh)

Introduction to basic respiratory care equipment and related procedures. Special emphasis will be placed upon the rationale and techniques of oxygen administration.

Proposed Title and Description

RT 329 Respiratory Care Equipment 4 credits
4 lecture hours
(4c-01-4sh)

Introduction to respiratory therapy equipment, related procedures and principles, techniques and theory of mechanical ventilation. Special emphasis will be given to oxygen delivery systems and the rationale for their use.

At the recommendation of Chairperson Kuzneski, the Senate APPROVED the following new three courses:

RT 101 The Profession of Respiratory Care 1 credit
1 lecture hour
(1c-01-1sh)

Introduces the student to the health care environment and specifically the respiratory care profession. Students will visit a hospital respiratory care department and observe basic respiratory patient care procedures.

RT 342 Preceptorship in Respiratory Care 1 credit
1 lecture hour
(1c-01-1sh)

Prerequisites: RT326, RT328, RT329, RT330, Permission
An opportunity for students to gain additional clinical experiences in a supervised health care setting. Must meet university and sponsoring preceptorship requirements. May be repeated for a maximum of 5 credits. A minimum of 40 hours is required for each credit.

RT 425 Clinical Case Studies 3 credits
3 lecture hours
(3c-01-3sh)

This course is designed to increase the working knowledge of disease states commonly experienced by patients in the critical care setting. Emphasis is placed on recognition and treatment of various disease states. Methods for evaluation and treatment of clinical oxygenation disturbances and acid-base disorders will be explored. Clinical simulations, case studies, and patient management problems reviewed and discussed. Emphasis is on appropriate information-gathering and decision-making techniques.

At the recommendation of Chairperson Kuzneski, the Senate **APPROVED** the following program revision (all four tracks: Aquatic, Exercise Science, Sport Administration and Athletic Training):

Program Revision - Department of Health and Physical Education

Catalog Description

Bachelor of Science Degree - Physical Education and Sport

The Bachelor of Science Degree in Physical Education and Sport provides greater emphasis on subject matter/content and less on pedagogy. Students who select this major generally apply their knowledge in the areas of exercise science, community and corporate fitness, cardiac rehabilitation, pre-physical therapy, and/or executive fitness programming. The sports study major is a non-teacher certification program. Requirements for the degree in Physical Education and Sport include: 1) the university's Liberal Studies requirements; 2) 31 credit hours in the HPE Core; and 3) nineteen credits from the Physical Education and Sport requirements.

Specialty tracks have been developed for the degree program in physical education and sport. These different tracks provide emphasis in specific subject content areas and teach skills necessary for students to assume leadership roles in careers in the health and fitness industry and sport science. These include:

- a. Aquatics
- b. Exercise Science
- c. Sport Administration
- d. Athletic Training

Creation of the four new tracks, in addition to the Nutrition minor within the Physical Education and Sport major, provide students with an innovative, relevant, and challenging curriculum and at the same time encourages the promotion of interdisciplinary work. Course content is focused toward specific professions within the major, as well as toward different national credentialing possibilities. Student internships and pre-professional experiences can be more appropriately focused to enhance opportunities for post graduate employment.

In addition, the Department of Health and Physical Education has developed two programs approved by the National YMCA Physical Education Office to provide for the professional preparation of YMCA aquatic directors and physical directors. Both programs emphasize high standards and are vitally concerned with the major objectives of YMCA physical education. Specialized AY@ courses are offered through the IUP Aquatic School, through the annual Middle Atlantic Region Aquatic Institute held at IUP each spring, and through other special YMCA programs conducted on the IUP campus and sponsored in cooperation with the Middle Atlantic Region Physical Education Program.

EXERCISE SCIENCE TRACK

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

- Mathematics: MA 101 or MA 110 or MA 217
- Health and Wellness: FN 143 or MS 101-102
- Natural Science: BI 103-104 or CH 101-102
- Social Science: PC 101, SO 151

Liberal Studies Electives: FN 145, CO/BE/IM 101, no courses with HP prefix

LIBERAL STUDIES 54-55

CORE REQUIREMENTS

HP 142	Foundations of Health and Physical Education	3sh
HP 200	Fundamentals of Physical Activity	1sh
HP 210	Motor Development	
HP 221	Human Structure and Function	3sh
HP 251	Foundations of Safety and Emergency Health Care	3sh
HP 263	Aquatics	1sh
HP 315	Biomechanics	3sh
HP 341	Evaluation in Health and Physical Education	3sh
HP 343	Physiology of Exercise	3sh
HP 344	Adapted Physical Education	3sh
HP 441	Psychosocial Implications for Health and Physical Education	3sh
HP 442	Seminar in Health and Physical Education	3sh

CORE REQUIREMENTS 31

SPORT SCIENCE REQUIREMENTS

HP 319	Preprofessional Experience II	
HP 345	Athletic Training I	3sh
HP 346	Athletic Training Lab	1sh
HP 375	Physiological Basis of Strength	3sh
HP 410	Exercise Prescription	3sh
HP 412	Physical Activity and Stress Management	3sh

SPORT SCIENCE REQUIREMENTS 14-16

EXERCISE SCIENCE TRACK

HP 411	Physical Fitness Appraisal and Guidance	3 sh
HP 413	Physical Activity and Aging	3 sh
BI 151	Human Physiology	4 sh
PY 151	Medical Physics Lecture	3 sh
PY 161	Medical Physics Lab	1 sh

EXERCISE SCIENCE TRACK REQUIREMENTS 14

FREE ELECTIVES 8-11

TOTAL DEGREE REQUIREMENTS **124**

**BACHELOR OF SCIENCE - PHYSICAL EDUCATION AND SPORT
SPORT ADMINISTRATION TRACK**

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

- Mathematics: MA 217
- Health and Wellness: FN 143 or MS 101-102
- Natural Science: BI 103-104 or CH 101-102
- Social Science: PC 101, EC 121

Liberal Studies Electives: CO/BE/IM 101, EC 122, no course with HP prefix

LIBERAL STUDIES 54-55

CORE REQUIREMENTS

HP 142	Foundations of Health and Physical Education	3sh
HP 200	Fundamentals of Physical Activity	1sh
HP 210	Motor Development	2sh
HP 221	Human Structure and Function	3sh
HP 251	Foundations of Safety and Emergency Health Care	3sh
HP 263	Aquatics	1sh
HP 315	Biomechanics	3sh
HP 341	Evaluation in Health and Physical Education	3sh
HP 343	Physiology of Exercise	3sh
HP 344	Adapted Physical Education	3sh
HP 441	Psychosocial Implications for Health and Physical Education	3sh
HP 442	Seminar in Health and Physical Education	3sh

CORE REQUIREMENTS 31

SPORT SCIENCE REQUIREMENTS

HP 319	Preprofessional Experience II	
HP 345	Athletic Training I	3sh
HP 346	Athletic Training Lab	1sh
HP 375	Physiological Basis of Strength	3sh
HP 333	Psychology of Coaching	2sh
HP 335	Coaching and Managing Athletics	3sh
HP 412	Physical Activity and Stress Management	3sh
	OR	
HP 430	The American Woman and Sport	3sh

SPORT SCIENCE REQUIREMENTS 16-18

BUSINESS MINOR

AG 201	Accounting Principle I	3sh
AG 202	Accounting Principle II	3sh
FI 310	Finance I	3sh
MG 310	Principle of Management	3sh
MK 320	Principle of Marketing	3sh
AD 321	Business and Interpersonal Communication	3sh
BL 235	Intro to Business Law	3sh

BUSINESS MINOR REQUIREMENTS 21

FREE ELECTIVE 0-2

TOTAL DEGREE REQUIREMENTS 124-125

**BACHELOR OF SCIENCE - PHYSICAL EDUCATION AND SPORT
AQUATIC TRACK**

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

- Mathematics: MA 101 or MA 110 or MA 217
- Health and Wellness: FN 143 or MS 101-102
- Natural Science: BI 103-104 or CH 101-102
- Social Science: PC 101, SO 151

Liberal Studies Electives: FN 145, CO/BE/IM 101, no courses with HP prefix

LIBERAL STUDIES 54-55

CORE REQUIREMENTS

HP 142	Foundations of Health and Physical Education	3sh
HP 200	Fundamentals of Physical Activity	1sh
HP 210	Motor Development	2sh
HP 221	Human Structure and Function	3sh
HP 251	Foundations of Safety and Emergency Health Care	3sh
HP 263	Aquatics	1sh
HP 315	Biomechanics	3sh
HP 341	Evaluation in Health and Physical Education	3sh
HP 343	Physiology of Exercise	3sh
HP 344	Adapted Physical Education	3sh
HP 441	Psychosocial Implications for Health and Physical Education	3sh
HP 442	Seminar in Health and Physical Education	3sh

CORE REQUIREMENTS 31

SPORT SCIENCE REQUIREMENTS

HP 319	Preprofessional Experience II	1-3sh
HP 345	Athletic Training I	3sh
HP 346	Athletic Training Lab	1sh
HP 375	Physiological Basis of Strength	3sh
HP 410	Exercise Prescription	3sh
HP 411	Physical Fitness/Appraisal Guidance	3sh
HP 412	Physical Activity and Stress Management	3sh

SPORT SCIENCE REQUIREMENTS 17-19

AQUATIC TRACK

HP 165	Lifeguarding	1sh
HP 261	Water Safety Instructor	1sh
HP 276	Coaching Swimming	1sh
HP 264	Advanced Aquatics	1sh
HP 270	Instructor of Handicapped Swimming	1sh
HP 279	Swimming Pool Maintenance and Chemistry	2sh
HP 280	Aquatic Facilities Management	2sh
HP 335	Coaching and Managing Athletic Programs	3sh

AQUATIC TRACK REQUIREMENTS 12

FREE ELECTIVES	7-10
TOTAL DEGREE REQUIREMENTS	124

**BACHELOR OF SCIENCE - PHYSICAL EDUCATION AND SPORT
ATHLETIC TRAINING TRACK**

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

- Mathematics: MA 101 or MA 110 or MA 217
- Health and Wellness: FN 143 or MS 101-102
- Natural Science: BI 103-104 or CH 101-102
- Social Science: PC 101, SO 151

Liberal Studies Electives: FN 145, CO/BE/IM 101 (No courses with HP prefixes)

LIBERAL STUDIES	54-55
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CORE REQUIREMENTS

HP 142	Foundations of Health and Physical Education	3sh
HP 200	Fundamentals of Physical Activity	1sh
HP 210	Motor Development	2sh
HP 221	Human Structure and Function	3sh
HP 251	Foundations of Safety and Emergency Health Care	3sh
HP 263	Aquatics	1sh
HP 315	Biomechanics	3sh
HP 341	Evaluation in Health and Physical Education	3sh
HP 343	Physiology of Exercise	3sh
HP 344	Adapted Physical Education	3sh
HP 441	Psychosocial Implications for Health and Physical Education	3sh
HP 442	Seminar in Health and Physical Education	3sh

CORE REQUIREMENTS	31
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SPORT SCIENCE REQUIREMENTS

HP 319	Preprofessional Experience II	1-3sh
HP 345	Athletic Training I	3sh
HP 346	Athletic Training Lab	1sh
HP 375	Physiological Basis of Strength	3sh
HP 410	Exercise Prescription	3sh
HP 411	Physical Fitness/Appraisal and Guidance	3sh
HP 412	Physical Activity and Stress Management	3sh

SPORT SCIENCE REQUIREMENTS	17-19
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ATHLETIC TRAINING TRACK

HP 365	Advanced Athletic Training	4sh
HP 446	Therapeutic Modalities	4sh
HP 448	Therapeutic Exercise for Athletic Injury Management	4sh
FN 245	Sports Nutrition	3sh

ATHLETIC TRACK REQUIREMENTS	15
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FREE ELECTIVES	4-7
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TOTAL DEGREE REQUIREMENTS	124
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SUMMARY OF CHANGES

1. **Program Revision:** Creation of four specialized tracks in the Bachelor of Science in Physical Education Sport Degree Program. These are:
 - a. Aquatics
 - b. Athletic Training
 - c. Exercise Science
 - d. Sport Administration

2. **Liberal Studies:** no changes from existing L.S. requirements in the Physical Education and Sport Degree for the Aquatics, Athletic Training and Exercise Science Tracks. The Sport Administration Track requires the following Liberal Studies changes:
 - a. Math - MA 217
 - b. Social Science: EC 121, (SO 151- deleted)
 - c. LS Electives: BE/CO/IM 101, EC 122, (FN 145 - deleted)

At the recommendation of Chairperson Kuzneski, the Senate **APPROVED** the following new courses:

The following courses are being proposed as part of the athletic training track. The content of these course are required for NATA certification, as well as for Pennsylvania State Licensing as an Athletic Trainer.

HP 365 Advanced Athletic Training (3c - 21- 4sh)
Prerequisites: HP 345, HP 346

This course is designed to teach assessment procedures, evaluation methods, and proper athletic training protocol for neuromuscular and skeletal muscle injuries. In addition, administrative issues in athletic training will be addressed emphasizing accurate medical documentation. Emphasis will be placed on subjective and objective assessment and documentation of findings.

HP 446 Therapeutic Modalities (3c - 21 - 4sh)
Prerequisites: HP 365

A basic introduction to the use of therapeutic modalities and the role they play in the rehabilitation of athletic injuries. Physical agents used in the care of athletic injuries will be presented highlighting the physiological effects of each modality, as well as indications and contra-indications for their use.

HP 448 Therapeutic Exercises for Athletic Injury Management (3c - 21 - 4sh)
Prerequisites: HP 365

The theoretical framework for athletic injury assessment and management of the injured athlete is discussed. A problem solving approach to the selection and implementation of specific tests and therapeutic interventions is utilized. An overview of therapeutic management as well as the development of skill in basic therapeutic exercise procedures for improving muscle performance, relaxation, and mobilization is included.

At the recommendation of Chairperson Kuzneski, the Senate **APPROVED** the following program

revision and associated course changes:

Program Revision - Department of Mathematics
Bachelor of Science in Education - Mathematics Education

Liberal Studies: As outline in Liberal Studies Section **50-52**
with the following specifications:
Mathematics: (included in major)
Social Science: PC 101
Liberal Studies electives: no courses with MA prefix

College: **29**

Professional Education sequence

- ED242 Pre-student Teaching Clinical Experience I 1sh
- ED342 Pre-student Teaching Clinical Experience II 1sh
- ED441 Student Teaching 12sh
- ED442 School Law 1sh
- ED456 Teaching Mathematics in the Secondary School 3sh
- EP202 Educational Psychology 3sh
- EP377 Educational Tests and Measurements 3sh
- EX301 *Education of Students with Disabilities in
Inclusive Secondary Settings* 2sh
- FE202 American Education in Theory and Practice 3sh

Major: **38**

Required courses:

- MA117 Principles of Mathematics 3sh
- MA123 *Calculus I for Physics, Chemistry, Mathematics* 4sh
- MA 124 *Calculus II for Physics, Chemistry, Mathematics* 4sh
- MA171 Introduction to Linear Algebra 3sh
- MA216 Probability/Statistics for Natural Sciences 4sh
- MA271 *Introduction to Mathematical Proofs I* 3sh
- MA272 *Introduction to Mathematical Proofs II* 3sh
- MA350 *History of Mathematics* 3sh
- MA353 Theory of Numbers 3sh
- MA355 Foundations of Geometry I 3sh
- MA460 *Technology in Mathematics Instruction* 3sh
- Two of the following: MA452/453/454 Math Seminar 2sh

Other Requirements: **3**

- CO205 Programming Languages for Secondary Schools 3sh

Free Electives: **2-4**

Total Degree Requirements: **124**

Proposed Program

**Bachelor of Science in Education -
Mathematics Education**

Liberal Studies: As outlined in Liberal
Studies Section **50-52**

with the following specifications:

Mathematics: (included in major)

Social Science: PC 101

Liberal Studies electives: no courses with
MA prefix

College: 29

Professional Education sequence

- 42 Pre-student Teaching Clinical Experience I 1sh
- ED342Pre-student Teaching Clinical Experience 1sh
- 41 Student Teaching 12sh
- 42 School Law 1sh
- ED456Teaching Mathematics in the Secondary Sc 3sh
- 02 Educational Psychology 3sh
- 77 Educational Tests & Measurements 3sh
- 01 Edof Stdnts with Disabilities in Inclusive
Sec. Setting 2sh
- 02 American Education in Theory and Practice 3sh

Major: 38

Required courses:

- 17 Principles of Mathematics 3sh
- 23 Calculus I Physics, Chem, Math 4sh
- 24 Calculus I Physics, Chem, Math 4sh
- 71 Intro to Linear Algebra 3sh
- 16 Probability/Statistics for Natural Sciences 4sh
- 71 Intro. to Math Proofs I 3sh
- 72 Intro. to Math Proofs II 3sh
- 50 History of Mathematics 3sh
- 53 Theory of Numbers 3sh
- 55 Foundations of Geometry I 3sh
- 60 Technology in Math Instruction 3sh
- 52/453/454 Math Seminar 2sh

Other Requirements: 3

- 05 Programing Languages for Secondary Schools 3sh

Free Electives: 2-4

Total Degree Requirements: 124

Present Program

**Bachelor of Science in Education -
Mathematics Education**

Liberal Studies: As outline in Liberal
Studies Section **50-52**

with the following specifications:

Mathematics: (included in major)

Social Science: PC 101

Liberal Studies electives: no courses with
MA prefix

College: 30

Professional Education sequence

- ED441 Student Teaching 3sh
- ED442 School Law 1sh
- EP202 Educational Psychology 1sh
- EP377 Ed Tests & Measurements 3sh
- FE202 Amer Ed in Theory and Practice 3sh

Major: 35-39

Required courses:

- MA117Principles of Mathematics 3sh
- MA350 History of Mathematics 3sh
- MA353 Theory of Numbers
- MA355 Foundations of Geometry I 3sh
- MA452/453/454 Math Seminar 1sh

One Calculus sequence: (A or B)

- A. MA 127 Calculus I 4sh
- MA 128 Calculus II 4sh
- MA 227 Calculus III 4sh
- B. MA123 Calculus I for Phyics/Chem 4sh
- MA124 Calculus II for Phyics/Chem 4sh

One Statistics sequence: (A or B)

- A. MA 363 Mathematical StatisticsI 3sh
- MA 364 Mathematical StatisticsII
- B. MA216 Probability/Statistics for
Natural Sciences 4sh

Other Requirements: 3

- CO205 Prog. Languages for Sec. Sch

Free Electives: 0-6

Total Degree Requirements: 124

2. Summary of Changes:

Old Program	New Program
MA127 Calculus I (4 sh) MA128 Calculus II (4 sh)	MA 123 Calculus I for Physics, Chem, Math (4 sh)
MA227 Calculus III(4 sh) or	MA 124 Calculus II for Physics, Chem, Math (4 sh)
MA 123 Calculus I for Physics, Chem (4sh) MA 124 Calculus II for Physics, Chem (4 sh)	
MA216 Prob & Stats Nat. Sci.(4 sh) or	MA216 Prob & Stats Nat. Sci (4sh)
MA363 Mathematical Statistics I (3sh) MA364 Mathematical Statistics II(3sh)	
MA271 Algebraic Structures(3sh)	MA 271 Introduction to Mathematical Proof I(3sh)
	MA 272 Introduction to Mathematical Proof II(3sh)
MA 350 History of Mathematics (2sh)	MA 350 History of Mathematics (3sh)
MA 460 Comp. & Calc in Sec Sch(3sh)	MA 460 Technology in Mathematics Instruction (3sh)
CM 301 Tech for Learn/Instruction(3sh)	EX 301 Education of Students with Disabilities in an Inclusive Secondary Settings (2sh)
One of the following math ed seminars: MA452/MA453/MA454 (1sh)	Two of the following math ed seminars: MA452/MA453/MA454 (2sh)

b. List of all associated course changes:

These courses will be deleted from the list of required courses:

- CM 301 Technolgy for Learning and Instruction
- MA 127 Calculus I (4sh)
- MA 128 Calculus II (4sh)
- MA 227 Calculus III (4sh)
- MA 363 Mathematical Statistics I (3sh)
- MA 364 Mathematical Statistics II (3 sh)

These courses will be added to the list of required courses:

- MA 123 Calculus I for Physics, Chem, Math (4 sh)
- MA 124 Calculus II for Physics, Chem, Math (4 sh)
- MA 216 Prob & Stats Nat. Sci.(4 sh)
- EX 301 Education of Students with Disabilities in an Inclusive Secondary Settings (2sh)

These new courses will be added to the list of required courses:

- MA272 Introduction to Mathematical Proof II
- A second mathematics seminar MA 452/453/454

c. Rationale for Change.

Rationale for revision of the calculus/proof sequence

One of the objectives of the various mathematics programs is to give students a rigorous understanding of mathematics and mathematical proof. As part of this objective, the Mathematics Department has traditionally offered a separate three semester calculus sequence specifically for its majors, including a more rigorous, proof-oriented presentation, while offering a "leaner," more application-oriented two semester sequence for the rest of the sciences. In recent years, the department has found this dual approach to be a stumbling block in accommodating students wishing to transfer or change majors. Many times, students coming into or leaving the major midway through one calculus sequence are forced to start a second sequence from scratch because of differences in pace or rigor. To address this problem, the Mathematics Department has decided to place all of its majors into the two semester calculus sequence for the sciences.

To make up for the reduced exposure to mathematical proof, the department has expanded its one semester introduction to proof into a two semester sequence. The expanded proof sequence will contain the more theoretical material from the calculus. Moving this material into the proof sequence will further benefit the students in that they will have had more time to "mature" mathematically before grappling with the abstract.

Rationale for revision of the statistics sequence

Future teachers will benefit more from a course which focuses on the application of probability and statistics, which is emphasized in MA 216, Probability and Statistics for Natural Sciences, rather than the theoretical treatment of the topics which is emphasized in MA 363 and MA 364 Mathematical Statistics I and II.

Rationale for inclusion of EX 301

With the mainstreaming of children with special needs into regular classrooms, it is essential for future teachers to have instruction on how to best meet their needs. The Pennsylvania Department of Education is requiring the addition of a course which focuses on education of children with disabilities to maintain program certification.

Rationale for deletion of CM 301.

The Mathematics Department recognizes the need for our students to be proficient in technology. Our current program includes two technology classes, CO205: Programming Languages for Secondary Schools and MA 460: Computers and Calculators in Secondary School (which is being revised.), as well as utilizing technology in the most of our majors mathematics classes. Our revised technology course (MA 460) includes distance education, videotaping, internet resources, and presentation software, as well as the use of computers, graphics calculators, and Calculator Based Laboratory (CBL) to teach mathematics. Since most of the topics in CM 301 are duplicated in MA 460, the department is deleting CM 301 from our program to make room for the inclusion of EX 301.

Rationale for requirement of a second mathematics education seminar

The Mathematics Department is finding that many of our better mathematics students are having difficulty breaking down mathematics concepts so that they can be clearly explained. We believe that an extra seminar will help students become more proficient in this skill before they attempt their student teaching experience. Please note, that these courses have always been offered as 1 credit courses.

GRADUATE COMMITTEE--Chairperson Williamson

At the recommendation of Chairperson Williamson, the Senate **APPROVED** the following policy

revision:

Deletion of the No-Committee Thesis option

The No-Committee Thesis is a little-used alternative to the conventional thesis. Under this policy, a student and a faculty member agree on a thesis topic; the student goes through the regular thesis approval policy (registering for 1-3 credits); and the student conducts the appropriate research, preparing a thesis according to the guidelines set forth in the Thesis-Dissertation Manual. The graduate coordinator, or department chair in the absence of a coordinator, is charged with quality control at each step of this process, approving the Research Topic Approval Form before it is submitted to the Graduate School and Research, and checking on the conformity of the final product to graduate guidelines. The thesis advisor is the only faculty member involved in the No-Committee Thesis option.

At the recommendation of Chairperson Williamson, the Senate APPROVED the following policy revision:

Extended Dissertation Policy Revision

From:

For all doctoral students admitted or commencing course work during the Fall, 1990, semester and thereafter, the following policy is binding. Following the completion of all course requirements and the comprehensive examinations, doctoral students must enroll for at least one graduate credit of dissertation or extended dissertation each fall semester annually through the defense of the dissertation.

To:

Increase the dissertation credit hours for each doctoral program to include a set number of dissertation credit hours beyond the curriculum requirement as follows:

Doctoral Program	Dissertation Credits Required	Dissertation Credits Maximum Permitted
Administration and Leadership Studies B Education (D.Ed.)	9	45
Administration and Leadership Studies B Human Services (Ph.D.)	9	45
Clinical Psychology	9	45
Criminology	12	45
Elementary Education	9	45
English: Literature and Criticism	12	45
English: Rhetoric and Linguistics	12	45
School Psychology	9	45

Students are required to register for the total number of dissertation credit hours as outlined by their respective program of study. Faculty compensation would continue as before, i.e. when a student completes registration for the required number of credits, the dissertation director will be eligible for compensation.

Students would then be required to register every semester (fall, spring, and summer [Summer I and Summer II sessions counted as one term]). Those students needing half-time status (e.g. for financial aid eligibility etc.) would be permitted to do so through the time allowed for degree completion (7 years). The

University will provide a tuition waiver for dissertation credits registered for beyond the **required** dissertation credit hours (for those programs requiring 9 dissertation credits B 10 through 45 tuition waived and for those programs requiring 12 dissertation credits B 13 through 45 tuition waived). The University Service Fees will **not** be waived. Until the dissertation is successfully defended, a grade of AR@ will be assigned to each registered credit. Upon successful defense, the grade assigned by the director will apply to all registered dissertation credits.

At the recommendation of Chairperson Williamson, the Senate **APPROVED** the following new courses:

EL 655 Developmental Influences on Children=s Learning 3c-0l-3sh
Examines the physical, cognitive, social, and emotional development of children and the impact of development on learning processes. Students will discuss, analyze, and apply developmental theory and research to address issues confronting contemporary early childhood and elementary practitioners. Final projects will emphasize collaboration with professionals in other fields who work with children, families, and educators. Prerequisites: Permission of adviser.

SO 636 Sociology of the Family 3c-0l-3sh
Involves the sociological analysis of the family from a variety of theoretical viewpoints such as functionalism, conflict theory, exchange theory, symbolic interactionism, systems theory, and developmental theory. Special emphasis is placed on the contemporary American family. However, cross-cultural and historical comparisons will be made, with the focal theme being the Adecline of the family.@ Specific topics to be covered include: gender, the family in historical context, power relationships and family roles, parent-child interaction, marital satisfaction, marital disruption, and the interrelationships between race/ethnicity, social class, work roles, the family, and family policy. Prerequisites: Graduate only.

At the recommendation of Chairperson Williamson, the Senate **APPROVED** the following certification:

Instructional Technology Specialist Certification

Approved by the Pennsylvania Department of Education, the Instructional Technology Specialist Certification requires no curriculum changes to the Adult Education and Communications Technology track in the Department of Adult and Community Education

Students wishing to apply for certification will complete the regular sequence of courses approved by the University Senate in May, 1996. In addition, students wishing certification must complete the following requirements:

1. Students must get Act 34 and Act 151 clearance.
2. Students must complete a restricted internship in a media center in a school district or intermediate unit.
3. Students must complete and submit all required forms and fees to IUP and PDE for certification.

At the recommendation of Chairperson Williamson, the Senate **APPROVED** the following minor program revision:

Administration and Leadership StudiesCEducation (D.Ed.)

Rationale: This minor program change is being proposed in an effort to better meet the needs of students based on what has been learned after offering the program for the past five years and from conducting annual program evaluations. There is no change in overall credit requirements. The proposed revision includes the following two new course proposals:

LP 782 Research Instrument Design for Leadership Studies 3C-01-3sh
 Designed to prepare doctoral students in leadership studies to critique and develop research instruments for use in dissertation research. It will emphasize identifying the key issues associated with instrument design in leadership studies, critiquing the published instruments, writing instrument items, and conducting instrument reliability and validity analysis. Students will learn to evaluate and develop instruments through hands-on activities and individual projects. Prerequisite: By permission.

LP 783 Analysis of Qualitative Data in Leadership Studies 3C-01-3sh
 Designed to prepare doctoral students in leadership studies to conduct qualitative data analysis in dissertation research. It will emphasize identifying the key issues associated with qualitative research, critiquing the published qualitative research, transcribing qualitative data, interpreting and presenting patterns, and using computers to perform data analysis. Students will learn to analyze, present, and write qualitative research reports. Prerequisite: By permission.

Current Program

Program requirements

Core	18 s.h.
LP 701 Leadership Theories	3 s.h.
LP 702 Leadership: A Case Study Approach	3 s.h.
LP 703 Leadership: Applied Practice	3 s.h.
and	
<i>Nine hours from the following:</i>	
ED 632 Systematic Observation of Classroom Behavior	3 s.h.
ED 650 School and Community	3 s.h.
ED 652 School Evaluation	3 s.h.

EL 700 Writing for Professional Publication 3 s.h.
 EL 735 Elementary Education Doctoral Seminar 1 s.h.

LR 625 Processes of Collective Bargaining 3 s.h.
 LR 651 Conflict Resolution 3 s.h.
 SO 610 Sociology of Human Services 3 s.h.
 SO 611 Human Services Administration 3 s.h.
 SO 701 Social Policy Issues 3 s.h.

Research 18 s.h.
Nine hours from the following: 9 s.h.
 EP 616 Seminar in Applied Res. Methods 3 s.h.
 EL 681 Sp. Topics in Leadership Research 3 s.h.

EL 780 Seminar in Adv Research Methods 3 s.h.
 SO 664 Research Seminar in Sociology 3 s.h.

Dissertation Research 9 s.h.
 LP 950 Dissertation 9 s.h.

Internship 6 s.h.
 LP 798 Internship in Administration and Leadership Studies 6 s.h.

Educational Administration 18 s.h.
 EA 660 School Finance 3 s.h.
 ED 658 School Law and Negotiations 3 s.h.
 EL 725 Analysis of Effective Instructional and Supervisory Techniques 3 s.h.
 EL 720 Curriculum Analysis 3 s.h.
 EL 710 Crit Analysis of Issues & Innov 3 s.h.
 Elective 3 s.h.

Proposed Program

Program Requirements

Core 18 s.h.
 LP 701 Leadership Theories 3 s.h.
 LP 702 Leadership: A Case Study Approach 3 s.h.
 LP 703 Leadership: Applied Practice 3 s.h.
 EL 715 Advanced Topics in Human Development and Learning 3 s.h.
 ED 650 School and Community 3 s.h.
 LR 651 Conflict Resolution 3 s.h.

Research 18 s.h.
 EL 780 Seminar in Advanced Research Methods 3 s.h.
 LP 782 Research Instrument Design for Leadership Studies 3 s.h.
 LP 783 Analysis of Qualitative Data in Leadership Studies 3 s.h.

LP 950 Dissertation 9 s.h.

Internship 6 s.h.
 LP 798 Internship in Administration and Leadership Studies 6 s.h.

Educational Administration 18 s.h.
 EA 660 School Finance 3 s.h.
 ED 658 School Law and Negotiations 3 s.h.
 EL 725 Analysis of Effective Instructional and Supervisory Techniques 3 s.h.
 EL 720 Curriculum Analysis 3 s.h.
 EL 710 Crit Analysis of Issues & Innov 3 s.h.
 Elective 3 s.h.

LIBRARY AND EDUCATIONAL SERVICES COMMITTEE--Chairperson Jackson

After extended debate, the Senate **PASSED** the following resolution [after Radell's and senator Nowel 's motions]:

Whereas reliable access and availability of books are essential to the curriculum; and whereas the library has begun a full inventory of the collection; and whereas library materials are state property and subject to Pennsylvania laws; and whereas the Middle States Report of 1995 strongly recommended a tightening of borrowing privileges, and whereas consortium initiatives require an orderly collection,

We recommend that the library, consistent with existing policy, call in all books previously borrowed by patrons by the end of the Spring Semester, and by faculty on or before May 15, 1998; that all patrons cooperate fully to return books; that the lending policy ensure prompt return of books and an improved lending period.

NON-CREDIT COMMITTEE--Chairperson Grove

No report.

RESEARCH COMMITTEE--Chairperson Neusius

No report.

NEW BUSINESS

There was no new business.

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

Respectfully submitted,

Ramesh Soni
University Senate