Armstrong Atlantic State University
Faculty Senate Bill 043.10/11: University Curriculum Committee

Presidential Action

Delivered: [Signature]

Approve: [Checkmark]

Disapprove: [Blank]

Remand: [Blank]

Comments: (please attach an additional sheet if necessary)

Signature: [Signature] Date: 3/15/11

Dr. Linda M. Bleicken, President
Armstrong Atlantic State University
The following UCC minutes and actions are provided to the University President for approval.
CALL TO ORDER. The meeting was called to order at 3:00 p.m. by Dr. Glenda Ogletree.

APPROVAL OF MINUTES – The minutes of December 1, 2010 were approved with amendment of a typographical error on page 1.

ITEMS

I. College of Education (no items)

II. College of Health Professions

III. College of Liberal Arts

A. Art, Music, & Theatre

Items 1 and 2 from the Department of Art, Music, and Theatre were discussed and the undergraduate portions approved by the committee. They are being submitted to the Graduate Curriculum Committee and therefore are marked “For Information Only” for the report to the Senate.

For Information Only:

1. Delete the following courses:
   - ARTS 5760 U/G History of Photography 3-0-3
   - ARTS 5780 U/G Art of Africa and Diaspora 3-0-3
   - ARTS 5770 U/G Art and Identity 3-0-3

Rationale: Courses no longer are being taught and are being deleted from the catalog.

Effective Term: Fall 2011
For Information Only:

2. Delete the following course:
THEA 5010 U/G Topics in Film 3-0-3

Rationale: Course is no longer being used in the Theatre curriculum. The FILM version is now used in the Theatre curriculum.

Effective Term: Fall 2011

Items 3-6 from the Department of Art, Music and Theatre were discussed and approved by the committee. They are being submitted to the Faculty Senate for approval.

3. Modify the following course
MUSC 2390 String and Guitar Methods 0-2-1
Description: Open only to music majors. Principles of string and guitar instrument performance and pedagogy.

Rationale: The guitar requirement has been dropped from accreditation standards, and is no longer included in the course. The addition of “instrument” is consistent with the language in MUSC 2360 and 2380.

Effective Term: Fall 2011

4. Modify the following Program of Study:

PROGRAM FOR THE DEGREE OF BACHELOR OF ARTS IN MUSIC
Liberal Arts Option
C. Related Field Courses ................................................................................................................................................. 12 hours
Foreign Language 1002
Foreign Language 2001
Two courses selected from (at least 3 hours at 3000 level or above):
ARTS 2720 - Art History II
ARTS 5760U—History of Photography
ARTS 5770U—Art and Identity
ARTS 5750U—Contemporary Art & Criticism
Any 3000 level or above Art History, Foreign Language or Theatre Courses

Rationale: ARTS 5760U and ARTS 5770U are being eliminated. We are opening up student choices to any 3000 level or above art history, foreign language or theatre courses to give students more options that would enhance their education in the liberal arts option.

Effective Term: Fall 2011
5. Modify the following Program of Study:

PROGRAM FOR THE DEGREE OF BACHELOR OF ARTS IN MUSIC
Performance/Composition Options
MUSC 4160 - Instrumental Pedagogy and Repertoire
MUSC 4350 – Band Repertoire and Advanced Instrumental Conducting
MUSC 4400 (2 semesters) - Applied Music
MUSC 4450 - Full Recital
MUSC 4850 - Senior Project
One course appropriate to major instrument selected from:
MUSC 2360 - Brass Methods
MUSC 2370 - Woodwind Methods
MUSC 2380 - Percussion Methods
MUSC 2390 - String and Guitar Methods
Elective Ensembles - 8 hours
MUSC 2550, 3550, 2510, 3510, 2520, 3520, 2530, 3530, 2540, 3540, 4890 or other approved ensembles.
7 hours of music electives.

Rationale: The guitar requirement has been dropped from accreditation standards, and is no longer included in the course. The addition of “instrument” is consistent with the language in MUSC 2360 and 2380.

Effective Term: Fall 2011

6. Modify the following Program of Study:

PROGRAM FOR THE DEGREE OF BACHELOR OF MUSIC EDUCATION
B. Major Field Courses ............................................................................................... 32 hours
MUSC 1000 (7 semesters) - Recital Attendance
MUSC 2112 - Intermediate Theory II
MUSC 2130 (1 semester) - Advanced Keyboard Harmony (in addition to Area F requirement)
MUSC 2360 - Brass Methods
MUSC 2370 - Woodwind Methods
MUSC 2380 - Percussion Methods
MUSC 2390 - String and Guitar Methods
MUSC 2400 (1 semester) - Applied Music (in addition to Area F requirement)
MUSC 2540 - University Chorale (1 semester) or MUSC 2560 (1 semester) - Wind Ensemble (in addition to Area F requirement)
MUSC 2810 - Conducting
MUSC 3120 - Form and Analysis
MUSC 3400 - (2 semesters) - Applied Music
MUSC 3450 - Half Recital
MUSC 3540 - University Chorale or MUSC 3560 (2 semesters) Wind Ensemble (in addition to Area F requirement)
MUSC 3610 - Orchestration and Arranging
MUSC 3710 - Music History I
MUSC 3720 - Music History II
MUSC 5300U – Curriculum and Methods in General Music
MUSC 5430U - Technology in Music

Rationale: The guitar requirement has been dropped from accreditation standards, and is no longer included in the course. The addition of “instrument” is consistent with the language in MUSC 2360 and 2380.

Effective Term: Fall 2011

B. Criminal Justice, Social, & Political Science (no items)

C. Economics

Items 1-6 from the Department of Economics were discussed and approved by the committee. They are being submitted to the Faculty Senate for approval.

1. Create the following course:
   ECON 3210 Marketing 3-0-3
   Prerequisite: ACCT 2101 and ECON 2106
   Description: Marketing functions, the activities of producers, wholesalers, retailers and other intermediaries, the channels of distribution, integration of the marketing functions, price policies and government regulation.

Rationale: This course will be required for the new business track in the economics major and is likely to serve students in other disciplines such as theater management who would find knowledge of marketing to be a valuable addition to their skills.

Effective Term: Fall 2011

CURCAT: Major Department: Economics
Can the course be repeated for additional credit: No
Maximum number of credit hours: 3
Grading Mode: Normal
Instructional Type: Lecture
Course Equivalent: None

2. Create the following course:
   ECON 3220 Management 3-0-3
   Prerequisite: ECON 2106
   Description: Management of organizations with an emphasis on the fundamentals of organizational behavior. Topics include organizational structure, leadership, communication, motivation, group dynamics, decision-making, planning and controlling. Business ethics and the roles and functions of managers are integrated throughout all these topics.
Rationale: This course will be required for the new business economics track in the economics major and is likely to serve students in other disciplines such as theater management who would find knowledge of general management to be a valuable addition to their skills.

Effective Term: Fall 2011

CURCAT:
Major Department: Economics
Can the course be repeated for additional credit: No
Maximum number of credit hours: 3
Grading Mode: Normal
Instructional Type: Lecture
Course Equivalent: None

3. Create the following course:
ECON 3230 Finance
Prerequisite: ACCT 2101 and ECON 2106
Description: Basic concepts and analytical tools of finance in both corporate finance and investments. Topics include risk and return, financial institutions, efficient markets, valuation theory, capital budgeting, portfolio theory, cost of capital.

Rationale: This course will be required for the new business economics track in the economics major and is likely to serve students in other disciplines such as theater management who would find knowledge of finance to be a valuable addition to their skills.

Effective Term: Fall 2011

CURCAT:
Major Department: Economics
Can the course be repeated for additional credit: No
Maximum number of credit hours: 3
Grading Mode: Normal
Instructional Type: Lecture
Course Equivalent: None

4. Modify the following courses:
a. ECON 4520, -30, -40 INTERNSHIP
Prerequisite: permission of instructor or department head
Description: Open to juniors or above. Applied economic setting using nonprofit agencies such as the Chamber of Commerce, as well as financial institutions and international businesses. Supervision by departmental instructors and agency officials. Students may use only one internship as part of their upper division
economics classes. Open to transient students only with permission of department head.

b. ECON 5111U ECONOMICS OF ENTREPRENEURSHIP I 3-0-3
Prerequisite: permission of instructor
A project-based class focusing on the application of economic principles to real-world business formation and management. This course provides instruction in both the legal and logistical requirements of starting a business and serves as a forum for development of business ideas and practices. (Economics majors may only use this course under the Related Field Courses).

c. ECON 5112U ECONOMICS OF ENTREPRENEURSHIP II 3-0-3
Prerequisite: ECON 5111
Continuation of Economics and Entrepreneurship I, this course will cover advanced business challenges including the financial requirements of starting businesses. Students will work in groups to develop a viable business plan that will be presented to local business owners for review. (Economics majors may only use this course under the Related Field Courses).

Rationale: These changes are to accommodate the business economics track. The reference is no longer to a set of eight upper division economics courses. The relevant number of courses varies by track, and need not be specified. The programs of study now specify the entrepreneurship courses are appropriate for one of the tracks.

Effective Term: Fall 2010

5. Modify the following programs of study:

a. FINANCE CERTIFICATE
ECON 2105 - Principles of Macroeconomics .............................................................. 3 hrs
ECON 3230 - Finance ................................................................. 3 hrs
ECON 5300U - Money and Banking ................................................................. 3 hrs
ECON 4100 - Financial Economics: Portfolio Analysis .............................................. 3 hrs
ECON 4150 - Money and Capital Markets .............................................................. 3 hrs
ECON 5310U - International Finance ................................................................. 3 hrs
One additional course at the 3000 level or above as approved by the Head of the Economics Department ................................................................. 3 hrs

b. MINORS
Economics ........................................................................................................ 15 hrs
ECON 2105 or 2106
Twelve credit hours of upper division economics courses, 3000 and above, except for ECON 5150U. Selected from: ECON 3050, 3060, 3100, 3450, 3470, 3500, 3600, 3700, 3800, 4100, 4150, 4400, 4410, 4451, 4460, 4500, 4550, 5200U, 5300U, 5410U, 5400U, 5630U.
Rationale: The new courses are appropriate for the minor and certificate, and alleviate the problem of finding a suitable fifth course for the certificate.

Effective Term: Fall 2011

6. Modify the following program of study:

PROGRAM FOR THE DEGREE OF BACHELOR OF ARTS IN ECONOMICS

A. General Requirements
Core Areas A, B, C, D, and E ................................................................. 42 hours
Area F ........................................................................................................ 18 hours
ECON 2105 - Principles of Macroeconomics
ECON 2106 - Principles of Microeconomics
MATH 2200 - Elementary Statistics
MATH 1950 - Applied Math or MATH 1161 - Calculus I
Six credit hours from one of the following areas:
Accounting (required for business economics track)
   ACCT 2101 - Principles of Financial Accounting
   ACCT 2102 - Principles of Managerial Accounting
Foreign language sequence (1002 and 2001) (required for international track)
Mathematics
   MATH 2072 - Calculus II
   MATH 2083 - Calculus III
Information Technology
   CSCI 1150 - Fundamentals of the Internet and World Wide Web
   ITEC 1310 - Programming in Visual Basic
Physical Education ..................................................................................... 3 hours

Track I: General Economics
B. Major Field Courses ............................................................................ 33 hours
ECON 3050 - Intermediate Macroeconomics
ECON 3060 - Intermediate Microeconomics
ECON 3700 - Econometrics
ECON 4900 - Economic Methods and Senior Thesis
Twenty one credit hours drawn from at least three of the following categories:
   Global
      ECON 3100 - Multinational Economic Enterprises
      ECON 4400 - Seminar in Third World Economic Development
      ECON 4450 - Comparative Economics
      ECON 5200U - International Trade
      ECON 5310U - International Finance
   Quantitative
      ECON 3600 - Mathematical Economics
      ECON 3800 - Quantitative Consumer Research
   Applied
      ECON 3470 - Economics of Health
ECON 3500 - Managerial Economics
ECON 4451 - Industrial Organization
ECON 4460 - Economic Analysis of the Law
ECON 5400U - Economics of Labor

Financial
ECON 3230 - Finance
ECON 4100 - Financial Economics: Portfolio Analysis
ECON 4150 - Money and Capital Markets
ECON 5300U - Money and Banking

Public Policy and Economic History
ECON 3450 - Environmental Economics
ECON 4410 - Regional Economics
ECON 4500 - Public Finance
ECON 4550 - Public Choice
ECON 5630U - Economic History of the US

Internships and Specialized Courses
ECON 3950 - Research in Economics
ECON 3960 - Research in International Economics
ECON 4520, -30, -40 - Internship (with permission of department head)(maximum of one internship may count toward degree)

ECON 5010, -20, -30 Special Topics in Economics

C. Related Field Courses .............................................................................................. 9 hours
ITEC 1050 - Introduction to Computer Concepts or CSCI 1060 - Computer Concepts and Applications
Six credit hours of upper division courses from the following fields: anthropology, communication, economics, English (3720, 5710, 5740, 5750 only), geography, information technology, mathematics, philosophy, political science, psychology, or sociology.

D. Electives .................................................................................................................... 18 hours

Total Semester Hours 123 hours
E. Regents’ Test, university exit exam, and department exit exam

Track II: International Economics
The international track requires a language sequence in Area F and at least three credits earned toward the degree in an international study program. Students participating in the international track are expected to choose project, paper, and research topics related to international economics whenever possible.

B. Major Field Courses .............................................................................................. 33 hours
ECON 3050 - Intermediate Macroeconomics
ECON 3060 - Intermediate Microeconomics
ECON 3700 - Econometrics
ECON 4900 - Economic Methods and Senior Thesis
ECON 5200U - International Trade
ECON 5310U - International Finance
Fifteen credit hours drawn from among the following courses:
ECON 3100 - Multinational Economics Enterprises
ECON 3210 - Marketing
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ECON 3220</td>
<td>Management</td>
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<td>ECON 3230</td>
<td>Finance</td>
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<td>ECON 3450</td>
<td>Environmental Economics</td>
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<td>ECON 3470</td>
<td>Economics of Health</td>
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<td>ECON 4500</td>
<td>Public Finance</td>
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<tr>
<td>ECON 5300U</td>
<td>Money and Banking</td>
</tr>
</tbody>
</table>

C. Related Field Courses ........................................................................................................ 9 hours

ITEC 1050 - Introduction to Computer Concepts or CSCI 1060 - Computer Concepts and Applications

Six credit hours of upper division courses outside the economics discipline approved for the International Studies minor.

D. Electives ........................................................................................................................................ 18 hours

Total Semester Hours 123 hours

E. Regents’ Test, university exit exam, and department exit exam

Track III: Business Economics

B. Major Field Courses ........................................................................................................................................ 33 hours

ECON 3050 - Intermediate Macroeconomics or ECON 3060 Intermediate Microeconomics
ECON 3210 - Marketing
ECON 3220 - Management
ECON 3230 - Finance
ECON 3500 - Managerial Economics
ECON 5111 - Economics of Entrepreneurship I
ECON 5300U - Money and Banking

Twelve credit hours drawn from among the following courses:

ECON 3050 - Intermediate Macroeconomics
ECON 3060 - Intermediate Microeconomics
ECON 3450 - Environmental Economics
ECON 3470 - Economics of Health
ECON 3700 - Econometrics
ECON 3800 - Quantitative Consumer Research
ECON 3100 - Multinational Economic Enterprises
ECON 4100 - Financial Economics: Portfolio Analysis
ECON 4150 - Money and Capital Markets
ECON 4410 - Regional Economics
ECON 4450 - Comparative Economics
ECON 4451 - Industrial Organization
ECON 4500 - Public Finance
ECON 4520, -30, -40 - Internship (maximum of one internship may count toward degree)
ECON 5112U - Economics of Entrepreneurship II
ECON 5200U - International Trade
ECON 5310U - International Finance
ECON 5400U - Economics of Labor

C. Related Field Courses . 15 hours
ITEC 1050 - Introduction to Computer Concepts or CSCI 1150 Fundamental of the Internet and World Wide Web
COMM 2280 Speech Communication

Nine credit hours of upper division courses from among the following fields/courses:
COMM 3060 Public Relations
COMM 5050U Interpersonal Communication in the Workplace
ENGL 3720 Business and Technical Communication
ENGL 5710 Writing for the Non-Profit Sector
ENGL 5740 Technical Editing
ENGL 5750 Publication Design
HSCA 3600 Financial Management for Health-Related Organizations
HSCA 4201 Health Care Marketing
HSCA 4600 Principles of Human Resource Management
HSCA 4620 Principles of Management in Health Service Organizations
ITEC 3500 Database Administration
ITEC 3710 E-Commerce
POLS 4190/LWSO 4190 Environmental Laws and Regulations
PSYC 3000 Human Resource Development Skills
PSYC 5150U Conflict Resolution
PSYC 5200U Industrial and Organizational Psychology
PSYC 5300U Leadership and Group Dynamics

D. Electives ........................................................................................................................................... 12 hours
Total Semester Hours 123 hours

E. Regents’ Test, university exit exam, and department exit exam

Rationale: The number of Pre-Business students is growing. These students intend to finish degrees at other institutions, primarily because we have no business degree. Many of these students came to AASU because they would rather be here, but we are losing them. The applied nature of this program is very likely to keep many of these students at AASU.

Effective Term: Fall 2011

D. Gender and Women's Studies

Items 1 and 2 from the Gender and Women's Studies program were discussed and approved by the committee. They are being submitted to the Faculty Senate for approval.
1. Modify the following program of study:

PROGRAM FOR THE DEGREE OF BACHELOR OF ARTS IN GENDER AND WOMEN'S STUDIES
Additional Major Field Courses
List A: Arts and Humanities (3000 or above) ............................................................. 6 hours
Choose from:
ARTS 5760U - History of Photography
ARTS 5770U - Art and Identity
ENGL 5340U - Literature by Women
ENGL 5355U - Black Women Writers
FILM 5025U - Popular Culture Theory and Criticism
GWST 4700 Gender and Women’s Studies Internship
GWST 5000U - Topics in Gender and Women’s Studies
GWST 5500U - Topics in Women’s Leadership
HIST 5660U - Topics in the History of Women and Gender in America
HIST 5670U - Topics in the History of Women and Gender in Europe

Rationale: Courses no longer are being taught and are being deleted from catalog.

Effective Term: Fall 2011

2. Modify the following program of study:

Gender and Women’s Studies Minor
Gender and Women’s Studies ................................................................. 15 hours
Fifteen semester hours from courses approved for the Gender and Women’s Studies Minor in addition to those taken to satisfy areas A-E of the core. The courses taken from the approved list must include:
1. At least nine semester hours from courses numbered 3000 or higher
2. Either GWST 1101 or 2101 (but may include both)
Courses approved for the Gender and Women’s Studies Minor and Undergraduate Certificate:
ARTS 5760U - History of Photography
ARTS 5770U - Art and Identity
ENGL 5340U - Literature by Women
ENGL 5355U - Black Women Writers
FILM 5025U - Popular Culture Theory and Criticism
FILM 5040U - Women and Film
GWST 1101 - Introduction to Gender and Women’s Studies
GWST 2101 - Ethics, Values, and Gender
GWST 2200 - Gender in Global Contexts
GWST 5000U - Topics in Gender and Women’s Studies
GWST 5500U - Topics in Women’s Leadership
GWST/SOCI 5600U - Sociology of Gender
GWST 5700U - Feminist Theory
HIST 3740 - History of American Women
HIST 5660U - Topics in the History of Women and Gender in America
HIST 5670U - Topics in the History of Women and Gender in Europe
NURS 3355 - Women's Health
PSYC 3100 - Human Sexuality
PUBH 5570U - Women and Minority Health Issues
PUBH 5575U - Health and Sexuality Education
SOCI 3150 - Sociology of the Family
SOCI 3300 - Social Stratification
SOCI 3800 - Sociology of Sexuality

Rationale: Courses no longer are being taught and are being deleted from catalog.

Effective Term: Fall 2011

E. History

Items 1 and 2 from the Department of History were discussed and the undergraduate portions approved by the committee. They are being submitted to the Graduate Curriculum Committee and therefore are marked “For Information Only” for the report to the Senate.

For Information Only:
1. Create the following course:
   HIST 5790U/G ARCHIVAL STUDIES 3-0-3
   Introduction to the archivist as a professional and to the role of archives in society. Survey of the documentary materials and of the principles and practices involved in their acquisition, cataloging, care, and retrieval in public and private facilities also included.

   Rationale: Under the current guidelines, undergraduates may no longer take 6000-level courses, therefore HIST 6790 is being deleted. This course will replace it. Students taking it at the graduate level will be required to additional work including additional papers and classroom presentations.

   Effective Term: Fall 2011

   CURCAT:
   Major Department: History
   Can course be repeated for additional credit? No
   Maximum Number of Credit Hours: 3
   Grading Mode: Normal
   Instruction Type: Normal
   Course Equivalent: HIST 6790
For Information Only:

2. Delete the following courses:
   - HIST 5730/UG FIELDWORK IN HISTORICAL ARCHAEOLOGY (1-6)
   - HIST 5740/UG PRACTICUM IN ARCHAEOLOGY (1-6)

   **Rationale:** The History Department no longer has faculty to support these classes.

   **Effective Term:** Fall 2011

   *Items 3 and 4 from the Department of History were discussed and approved by the committee. They are being submitted to the Faculty Senate for approval.*

3. Create the following course:
   - HIST 3920 Modern American Popular Culture
   - **Prerequisites:** HIST 1100 or POLS 1100 or HIST 2112
   - **Description:** Examines American popular culture since the late nineteenth century, considering a variety of media and forms of cultural expression, including vaudeville, cinema, television, and music (including jazz, rock 'n' roll, and hip-hop), as well as advertising and consumerism.

   **Rationale:** This course will complement our existing American courses by exposing students to cultural history, with an emphasis on the intersection of political developments and the representation of "race," class, and gender in the media. Students will benefit from working with primary sources.

   **Effective Term:** Fall 2011

   **CURCAT:**
   - **Major Department:** History
   - **Can course be repeated for additional credit?** No
   - **Maximum Number of Credit Hours:** 3
   - **Grading Mode:** normal
   - **Instruction Type:** lecture
   - **Course Equivalent:** none

4. Delete the following courses:
   - HIST 3820 Introduction to Archaeology
   - HIST 3560 Modern Europe

   **Rationale:** We no longer offer HIST 3820; HIST 3560 was replaced by HIST 5480U/G

   **Effective Term:** Fall 2011

F. Languages, Literature, & Philosophy (no items)
G. Liberal Studies (no items)
H. Honors Program (no items)
IV. College of Science and Technology

*Items 1 and 2 from the Department of Biology were discussed and approved by the committee. They are being submitted to the Faculty Senate for approval.*

A. Biology

1. **Create the following course:**
   
   **BIOL 3800 Mycology**
   
   **Prerequisite:** BIOL 1108 (minimum grade of C) or BIOL 1108H (minimum grade of C)
   
   **Description:** The course will cover evolution, taxonomy, reproduction, ecology, and modern uses of fungi and fungal-like organisms. Laboratories may include field trips for local collections.
   
   **Rationale:** Fungi are classified in their own kingdom and make up a diverse group of organisms that have great impact on ecosystems, human, animal and plant health, and the food, medical and biotechnology industries. The current Biology curriculum lacks a course devoted to the study of fungi, Mycology. The course BIOL 1108 Principles of Biology II only briefly introduces fungi. An entire course is necessary to expose students to the necessary details and impact of these organisms. The proposed Mycology course will fill the current hole in the Biology curriculum ensuring that students receive a well-rounded, biological degree. We propose that this course be taught every other Fall semester, beginning Fall 2011, by a faculty member who has expertise in Mycology. We also propose that this course be added to courses offered under Track I: General Biology and Track III: Cell and Molecular Biology within the Biology major.

   **Effective Term:** Fall 2011

   **CURCAT:**
   
   **Major Department:** Biology
   
   Can Course be repeated for additional credit? No
   
   **Maximum Number of Credit Hours:** 4
   
   **Grading Mode:** Normal
   
   **Instruction Type:** Lecture and Laboratory
   
   **Course Equivalent:** none

2. **Modify the following program of study:**

**PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE IN BIOLOGY**

**Track I: General Biology**

B. **Major Field Courses**

Required Courses (16 hours)

- BIOL 2020- Survey of the Kingdoms Plantae and Fungi
- BIOL 3000- Cell Biology
BIOL 3700- Genetics
BIOL 4700- General Ecology
BIOL 4801- Senior Seminar in General Biology

Elective Courses (19-24 hours)
Choose one of the following:
   BIOL 4150- Plant Physiology
   BIOL 4200- Mammalian Physiology
   BIOL 4210- Comparative Physiology
Choose one of the following:
   BIOL 3470- Environmental Restoration
   BIOL 3600- Salt Marsh Ecology
   BIOL 4320- Environmental Microbiology
   BIOL 4460- Phytoplankton Ecology
   BIOL 4750- Tropical Field Biology
Choose two of the following:
   BIOL 3520- Medical Microbiology
   BIOL 4000- Cancer Biology
   BIOL 4010- Evolution
   BIOL 4100- Cell and Molecular Biology Laboratory
   BIOL 4220- Endocrinology
   BIOL 4310- Applied Microbiology
   BIOL 4500- Bioinformatics and Biotechnology
   BIOL 4400- Virology
   BIOL 4500- Bioinformatics and Biotechnology
   BIOL 4510- Molecular Development
   BIOL 4650- Immunology
Choose two of the following:
   BIOL 3020- Vertebrate Zoology
   BIOL 3150- Horticulture
   BIOL 3200- Taxonomy and Identification of Flowering Plants
   BIOL 3300- Entomology
   BIOL 3310- Invertebrate Zoology
   BIOL 3750- Natural History of Vertebrate Animals
   BIOL 3770- Developmental and Comparative Anatomy of the Vertebrates
   **BIOL 3800- Mycology**
   BIOL 3920- Parasitology
   BIOL 4550- Biology of Marine Organisms
   BIOL 4600- Ichthyology

**Track III: Cell and Molecular Biology**

**B. Major Field Courses** ..................................................... 26-29 hours

Required Courses (13 hours)
   BIOL 3000- Cell Biology
   BIOL 3700- Genetics
   BIOL 4100- Cell and Molecular Biology Laboratory
   BIOL 4500- Bioinformatics and Biotechnology
BIOL 4803- Senior Seminar in Cell and Molecular Biology

Elective Courses (13-16 hours)

Choose one of the following:
- BIOL 4150- Plant Physiology
- BIOL 4200- Mammalian Physiology
- BIOL 4210- Comparative Physiology

Choose one of the following:
- BIOL 3020- Vertebrate Zoology
- BIOL 3300- Entomology
- BIOL 3310- Invertebrate Zoology
- BIOL 3750- Natural History of Vertebrate Animals

**BIOL 3800- Mycology**
- BIOL 3920- Parasitology

Choose two of the following:
- BIOL 3520- Medical Microbiology
- BIOL 4000- Cancer Biology
- BIOL 4010- Evolution
- BIOL 4220- Endocrinology
- BIOL 4310- Applied Microbiology
- BIOL 4320- Environmental Microbiology
- BIOL 4400- Virology
- BIOL 4510- Molecular Development
- BIOL 4650- Immunology

**Rationale:** To include newly created course.

**Effective Term:** Fall 2011

**B. Chemistry & Physics**

*Items 1-6 from the Department of Chemistry and Physics were discussed and approved by the committee. They are being submitted to the Faculty Senate for approval.*

1. **Modify the following CURCAT:**
   **PHYS 4950 SPECIAL TOPICS IN PHYSICS**
   
   **CURCAT:**
   Major Department: Chemistry and Physics
   Can course be repeated for additional credit: **No** Yes
   Maximum Number of Credit Hours: 9
   Grading Mode: Normal
   Instruction Type: Lecture

   **Rationale:** This course needs to be repeatable as needed for additional credit for a different topic to accommodate the study needs of students in different areas of physics.
This need has arisen and required department head/registrar override to facilitate. This would avoid replacing the initial credit on the student’s record when additional credit is taken.

Effective Term: Fall 2011

2. Modify the following program of study:

PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE IN APPLIED PHYSICS

C. Related Field Courses ........................................................................................................23 hours

CHEM 1211 - Principles of Chemistry I (and lab)
CHEM 1212 - Principles of Chemistry II (and lab)
CSCI 1301- Introduction to Programming Principles or ENGR 1371 – Computing for Engineers (one hour applies to area F)

ENGL 3720 - Business and Technical Communication

MATH 2160 - Linear Algebra
MATH 3411 - Differential Equations

A three semester-hour upper-division math course (3000 or 4000 level, excluding MATH 3411), approved by the physics faculty.

Three hours of related field electives approved by the physics faculty.

Rationale: ENGL 3720 Business and Technical Communication is no longer appropriate as a required related field course for Applied Physics majors. It has been previously removed as a related field course for chemistry and engineering majors. Applied Physics majors could still opt to take/count it as an upper division free elective course or as the three hours of related field free elective.

Effective Term: Fall 2011

3. Delete the following courses:

PHYS 3801 OPTICS AND MODERN PHYSICS ........................................................................2 0  - 2
PHYS 3801L OPTICS AND MODERN PHYSICS LAB ...................................................... 0  - 3  - 1

Rationale: See item 4, below.

Effective Term: Fall 2011

4. Create the following courses:

a. PHYS 3801K MODERN PHYSICS ..................................................................................2  - 3  - 3

Prerequisite: PHYS 2212K (minimum grade of C) or both MATH 1161 (minimum grade of C) and PHYS 1112K (minimum grade of C)

Description: Modern physics, relativity, atomic physics, and nuclear physics. Includes laboratory investigation.

CURCAT:
Major Department: Chemistry and Physics
Can course be repeated for additional credit: No
Maximum Number of Credit Hours: 3
Grading Mode: Normal
Instruction Type: Lecture-Lab
Course Equivalent: PHYS 3801 with PHYS 3801L

b. PHYS 3700K OPTICS
Prerequisite: PHYS 2212K (minimum grade of C) or both MATH 1161 (minimum grade of C) and PHYS 1112K (minimum grade of C)
Description: Geometrical and physical optics. Includes laboratory investigation.

CURCAT:
Major Department: Chemistry and Physics
Can course be repeated for additional credit: No
Maximum Number of Credit Hours: 3
Grading Mode: Normal
Instruction Type: Lecture-Lab
Course Equivalent: PHYS 3801 with PHYS 3801L

Rationale: Most physics programs have separate modern physics and optics courses. The proposed format combines the lab and the lecture using the “studio format” that is currently in place for PHYS 1111K, PHYS 1112K, PHYS 2211K, and PHYS 2212K. This format maximizes the use of lab and lecture time. It is being utilized at many universities and has been shown to be a better environment to learn physics than the traditional separate lab/lecture formats.

Effective Term: Fall 2011

5. Create the following course:
PHYS 1000 Introduction to Physics
Pre- or Co-requisite: MATH 1161
Description: Introduction to and development of problem solving skills, exposure to current research topics in physics, and improvement of writing and presentation skills.

Rationale: This course will benefit all students preparing for an applied physics major. The purpose of this course is to develop and reinforce problem solving skills that will be needed in later courses, engage students in current topics in physics, and strengthen a student’s writing and presentation skills.

CURCAT:
Major Department: Chemistry and Physics
Can course be repeated for additional credit: No
Maximum Number of Credit Hours: 1
Grading Mode: Normal
Instruction Type: Lecture
Course Equivalent: None
Effective Term: Fall 2011

6. Modify the following program of study:

PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE IN APPLIED PHYSICS

A. General Requirements

Core Areas A, B, C, D and E ................................................................................. 42 hours
Applied physics majors are required to take MATH 1113 in core Area A and MATH 1161 in core Area D
Area F .............................................................................................................. 18 hours
PHYS 2211K, 2212K—Principles of Physics I, II (unless taken to satisfy core area D, in which case replace with 8 hours of lower division electives)
MATH 2072
MATH 2083
One hour excess for MATH 1161 from core area D
One hour excess for CSCI 1301 or ENGR 1371 from Related Field Courses
1 hour excess from PHYS 1000 or from any science or math course approved by the physics faculty

B. Major Field Courses .................................................................................... 30 hours
PHYS 3100 – Electric Circuit Analysis
PHYS 3120 – Digital Electronics
PHYS 3210 – Intermediate Mechanics or PHYS 4170—Advanced Mechanics
PHYS 3300 – Thermodynamics or PHYS 3400 Chemical Thermodynamics

PHYS 3801/3801L—Optics and Modern Physics and Lab

PHYS 3801 – Modern Physics
PHYS 3802 – Introduction to Quantum Mechanics
PHYS 4120 – Scientific Measurement with Digital Interfacing
Nine semester hours from:
PHYS 2900 – Introduction to Research in Physics
PHYS 3220 – Mechanics of Deformable Bodies
PHYS 3230 – Fluid Mechanics
PHYS 3312 - Electromagnetism
PHYS 3500 – Diffraction and Crystallography

PHYS 3700K – Optics
PHYS 4900 – Independent Study in Physics
PHYS 4950 – Special Topics in Physics
PHYS 4960 – Physics Internship
PHYS 4991 – Advanced Research in Physics

C. Related Field Courses .................................................................................. 23 hours
CHEM 1211 – Principles of Chemistry I (and lab)
CHEM 1212 – Principles of Chemistry II (and lab)
CSCI 1301 – Introduction to Programming Principles or ENGR 1371 – Computing for Engineers (one hour applies to area F)

ENGL 3720—Business and Technical Communication
MATH 2160 – Linear Algebra
MATH 3411 – Differential Equations
A three semester-hour upper-division math course (3000 or 4000 level, excluding MATH 3411), approved by the physics faculty

Three semester hours of related field electives approved by the physics faculty

Rationale: ENGL 3720 Business and Technical Communication is no longer appropriate as a required related field course for Applied Physics majors. It has been previously removed as a related field course for chemistry and engineering majors. Applied Physics majors could still opt to take/count it as an upper division free elective course or as the three hours of related field free elective.

Deleting the parenthetical (one hour applies to area F) for CSCI 1301 – Introduction to Programming Principles or ENGR 1371 – Computing for Engineers would allow the PHYS 1000 Physics Seminar to go to Area F or to the Free Elective spot as an option for the student and would allow the total hours for the Related Field Courses to be the correct total of its listed courses.

Other changes update the program to reflect creations/deletions above.

Effective Term: Fall 2011

C. Computer Science and Information Technology

Item 1-3 from the Department of Computer Science and Information Technology were discussed and approved by the committee. They are being submitted to the Faculty Senate for approval.

1. Modify the following course:
CSCI 3201 Foundations of Digital Systems 3-0-3
Prerequisite: CSCI 1302
Hardware and software concepts of digital computing systems, with emphasis on fundamental system software digital system design and details of hardware operation. Virtual machines, systems organization, digital logic, instruction and data formats, addressing modes, error detecting and correcting codes, and register transfer notation.

Rationale: For compliance to standards of the Accreditation Board for Engineering and Technology (ABET).

Effective Term: Fall 2011

2. Modify the following course:
CSCI 5700U Computer Security 3-0-3
Undergraduate Prerequisite: CSCI 5220 2625 or and CSCI 5410 3301
Rationale: For compliance to standards of the Accreditation Board for Engineering and Technology (ABET).

Effective Term: Fall 2011

3. Modify the following course:
CSCI 5830U Computer Graphics 3-0-3
Undergraduate Prerequisite: CSCI 2490 and either MATH 2160 or CSCI 3625

Rationale: For compliance to standards of the Accreditation Board for Engineering and Technology (ABET).

Effective Term: Fall 2011

Items 4-6 from the Department of Computer Science and Information Technology were discussed and the undergraduate portions approved by the committee. They are being submitted to the Graduate Curriculum Committee and therefore are marked "For Information Only" for the report to the Senate.

For Information Only:

4. Modify the following course
CSCI 5210U/G High performance Computing 3-0-3
Undergraduate Prerequisite: CSCI 3341

Rationale: For compliance to standards of the Accreditation Board for Engineering and Technology (ABET).

Effective Term: Fall 2011

For Information Only:

5. Modify the following course:
CSCI 5720 U/G Advanced Database Systems 3-0-3
Undergraduate Prerequisite: CSCI 3720
Survey of database systems, query processing and optimization, transactions, transaction systems, currency control, recovery, security, data mining, XML, web data, and Internet commerce and e-commerce.

Rationale: For complying with standards of the Accreditation Board for Engineering and Technology (ABET).

Effective Term: Fall 2011
For Information Only:

6. Modify the following course:
CSCI 5820 U/G  Machine Learning  3-0-3
Undergraduate Prerequisite: CSCI 2490 and CSCI 2625
Pattern matching and classification with an emphasis on developing advanced applications using diverse machine learning methods, and computational intelligence algorithms for pattern recognition, classification and decision-making, including decision trees, neural networks, Bayesian learning, clustering, and hidden-Markov models, kernel-based techniques. Multiple projects and a term project include a major project encompassing some or all of these concepts.

Rationale: For compliance to standards of the Accreditation Board for Engineering and Technology (ABET).

Effective Term: Fall 2011

D. Engineering Studies (no items)
E. Mathematics (no items)
F. Psychology (no items)

OTHER BUSINESS

A. Dr. Ogletree reported that PSYC 1200, from the December 1, 2010 meeting, was approved by the Senate for inclusion in Area D. It now proceeds to the USG General Education Council.

B. UCC Bylaws
   1. Routing of graduate items.
      It was moved and seconded to adopt the following language in the UCC Bylaws Section, “Procedure for Consideration of Curriculum Issues,” paragraph 3:

      Procedure for Consideration of Curriculum Issues
      The College Curriculum Committee, upon receiving recommendations on curricular issues from departments or programs within the respective college, shall take appropriate action and/or make recommendations to the University Curriculum Committee and/or Graduate Curriculum Committee as appropriate. Curricular issues are defined as issues pertaining to program or curriculum development, change, or implementation and issues that significantly and broadly affect the nature and quality of instruction in a program.

      Any action of the College Curriculum Committee shall be in accordance with the general curriculum policies established by the Faculty Senate, and shall be reviewed by the University Curriculum Committee and/or Graduate Curriculum Committee as appropriate. Any curricular matters that involve curricular policy or have a direct effect on departments or programs outside the college structure shall be forwarded, with recommendations, to the University Curriculum Committee and/or Graduate Curriculum
Committee for action after notification of the affected departments. Curricular changes that affect certification programs (e.g., teacher certification) shall be reviewed by the curriculum committee of the college in which the certifying department or program resides prior to forwarding to the University Curriculum Committee for action.

The normal path for curricular issues is as follows: Issues related only to undergraduate programs proceed from the academic department to the College Curriculum Committee, then to the University Curriculum Committee and finally to the Faculty Senate. Issues related only to graduate programs proceed from the academic department to the College Curriculum Committee, to the Graduate Curriculum Committee and then to the Graduate Affairs Committee. Issues related to both undergraduate and graduate programs proceed from the academic department to the College Curriculum Committee, then to the University Curriculum Committee, then to the Graduate Curriculum Committee, and finally to the Graduate Affairs Committee.

Discussion points

- In the University Curriculum Committee minutes of September 16, 2009 there was a proposed bylaws change put forward to address routing of graduate curriculum items so they would go through review of their college.
- In the minutes of November 18, 2009 it was recorded that “the proposed bylaws change sent forward from the September 19, 2009 meeting were not approved. Apparently the wording conflicts with wording in another section. The Senate Bylaws Committee is investigating the history of the section further.”
- Regardless of what the bylaws state, Dr. John Kraft reported that graduate items are, in practice, being routed through their respective College Curriculum Committees, which was the intent of the proposed language.
- At the Faculty Meeting of October 10, 2005, the faculty approved language put forward by the University Curriculum Committee to address the same issue. However, the language was somehow omitted from the bylaws when they were revised in the transition to Senate governance.
- Dr. John Kraft reported that the Graduate Affairs Committee discussed the issue at their meeting of December 7, 2010, and passed a motion to again support the University Curriculum Committee in changing the UCC Bylaws to address routing of graduate curriculum items so they would go through review of their college.

The motion to adopt the proposed language passed. The University Curriculum Committee now puts this language forward for approval by the Senate.

2. Special meetings

Dr. Ogletree reported concern from at least one faculty member regarding special meetings that were called by the UCC in Fall 2010, as the UCC bylaws do not address the calling of special meetings. Dr. Rick McGrath reported that under Roberts Rules of Order, a committee may call a special meeting if it is moved and voted upon during a regular meeting that a special meeting shall be held. This was done for both special meetings held in Fall 2010.
3. **Impact of curricular changes on programs in other colleges.**

Dr. Kraft wanted to bring special attention to the following section of the UCC Bylaws:

> Any curricular matters that involve curricular policy or have a direct effect on departments or programs outside the college structure shall be forwarded, with recommendations, to the University Curriculum Committee and/or Graduate Curriculum Committee for action after notification of the affected departments. Curricular changes that affect certification programs (e.g., teacher certification) shall be reviewed by the curriculum committee of the college in which the certifying department or program resides prior to forwarding to the University Curriculum Committee for action.

Dr. Kraft asked that the committee members, in so far as they can, bring this to the attention of their colleagues in their departments and colleges, because it is so important and has sometimes been overlooked.

**ADJOURNMENT.** The meeting was adjourned at 3:56 p.m.

Respectfully submitted,

Phyllis L. Panhorst  
Catalog Editor and Secretary to the Committee
I. Approval of the Minutes of Faculty Senate January 10, 2011 meeting. Those minutes are posted for viewing on the University Faculty Senate website (Appendix B). The motion was made and seconded to approve the January minutes. The motion passed.

SENATE ACTION

II. University Curriculum Committee. UCC Meeting Minutes from January 19, 2011. (Appendix C). College of Liberal Arts:

The first items the UCC put forward to the Faculty Senate were from the Department of Art, Music, and Theatre. (UCC Minutes 1.19.2011 linked above, III, A, 3-6.) It was moved and seconded that modifications to MUSC 2390 and two programs of study be approved. The motion passed.

The UCC put forward items from the Department of Economics. (UCC Minutes 1.19.2011 linked above, III, C, 1-6.) It was moved and seconded that three new courses, ECON 3210, 3220, and 3230, be created and course and program modifications be approved. The motion passed.

Track III: Business Economics
B. Major Field Courses .................................................................................................................................................. 33 hours
ECON 3050 - Intermediate Macroeconomics or ECON 3060 Intermediate Microeconomics
ECON 3210 – Marketing
ECON 3220 – Management
ECON 3230 – Finance
ECON 3500 – Managerial Economics
ECON 5111 – Economics of Entrepreneurship I
ECON 5300U – Money and Banking

Twelve credit hours drawn from among the following courses:
ECON 3050 - Intermediate Macroeconomics
ECON 3060 – Intermediate Microeconomics
ECON 3450 - Environmental Economics
ECON 3470 - Economics of Health
ECON 3700 – Econometrics
ECON 3800 - Quantitative Consumer Research
ECON 3100 - Multinational Economic Enterprises
ECON 4100 - Financial Economics: Portfolio Analysis
ECON 4150 - Money and Capital Markets
ECON 4410 - Regional Economics
ECON 4450 – Comparative Economics
ECON 4451 - Industrial Organization
ECON 4500 - Public Finance
ECON 4520, -30, -40 - Internship (maximum of one internship may count toward degree)
10
ECON 5112U - Economics of Entrepreneurship II
ECON 5200U - International Trade
ECON 5310U - International Finance
ECON 5400U - Economics of Labor

C. Related Field Courses . 15 hours
ITEC 1050 - Introduction to Computer Concepts or CSCI 1150 Fundamental of the Internet and World Wide Web
COMM 2280 Speech Communication
Nine credit hours of upper division courses from among the following fields/courses:
COMM 3060 Public Relations
COMM 5050U Interpersonal Communication in the Workplace
ENGL 3720 Business and Technical Communication
ENGL 5710 Writing for the Non-Profit Sector
ENGL 5740 Technical Editing
ENGL 5750 Publication Design
HSCA 3600 Financial Management for Health-Related Organizations
HSCA 4201 Health Care Marketing
HSCA 4600 Principles of Human Resource Management
HSCA 4620 Principles of Management in Health Service Organizations
ITEC 3500 Database Administration
ITEC 3710 E-Commerce
POLS 4190/LWSO 4190 Environmental Laws and Regulations
PSYC 3000 Human Resource Development Skills
PSYC 5150U Conflict Resolution
PSYC 5200U Industrial and Organizational Psychology
PSYC 5300U Leadership and Group Dynamics

D. Electives .............................................................. 12 hours
Total Semester Hours 123 hours
E. Regents’ Test, university exit exam, and department exit exam
Rationale: The number of Pre-Business students is growing. These students intend to finish degrees at other institutions, primarily because we have no business degree. Many of these students came to AASU because they would rather be here, but we are losing them. The applied nature of this program is very likely to keep many of these students at AASU.
Effective Term: Fall 2011