

Armstrong

MEMORANDUM

To: University Curriculum Committee
From: Phyllis Fulton
Catalog Editor and Committee Secretary
Date: February 28, 2014
Re: Agenda – March 5, 2014

The University Curriculum Committee will meet at 3:00 p.m. on Wednesday, March 5 in University Hall 282.

A G E N D A

CALL TO ORDER

Rick McGrath

APPROVAL OF MINUTES – February 5, 2014

ITEMS

I. College of Education (no items)

II. College of Health Professions

1. Create the following course:

PLAH 2000 Prior Learning Documentation

2-0-2

Prerequisite: Permission of the instructor.

Techniques for the development of documentation for prior learning experiences based on standards and criteria established by academic and subject-matter professionals. Students prepare and submit documentation that provides a clear description of competencies obtained. Graded “Satisfactory” or “Unsatisfactory.”

REQUESTED Effective Term: Fall 2014

CURCAT:

Major Department: College of Health Professions

Can Course be repeated for additional credit? No

Maximum Number of Credit Hours: 2

Grading Mode: S/U
Instruction Type: Lecture
Course Equivalent: none

Rationale: The Adult Learning Consortium and eMajor programs ask us to expand our Prior Learning Assessment (PLA) options; they believe that adult learners frequently come to universities already having achieved certain learning outcomes and only need the chance to demonstrate course competencies. PLA options include, but are not limited to, CLEP, credit by departmental examination, advanced placement credit, International Baccalaureate credit, and portfolio assessment. The ability to gain college credit through PLA options will facilitate adult learners' progress through college and help us achieve Complete College Georgia goals of improving retention, progression, and graduation rates.

Two cohorts of Armstrong faculty have completed (or are completing) PLA workshops and generally support including a portfolio PLA for students.

- 2012-2013 Cohort: Trish Holt (COE, Adult Education), Dennis Murphy (CLA Criminal Justice), Joy Reed (CST, Computer Science), Christine Moore (CHP, Respiratory Therapy), and Greg Anderson (Orientation and Advising).
- 2013-2014 Cohort: Barbara Hubbard (COE, Childhood Education), Matthew Draud (CST, Biology), Thomas Murphy (CST, Engineering), Sara Plaspohl (CHP, Public Health), Maya Clark (CHP, CSDS), Catherine Gilbert (CHP, Nursing), Carol Benton (CLA, Music), June Hopkins (CLA, History), Beth Howells (CLA, English), Melanie Link-Perez (CST, Biology), and Nancy McCarley (CST, Psychology).

Consider the proposed course with the following policy guidelines for implementation:

- Armstrong Policy:
 - Each college is to have a PLAX 2000 course, much like each college has a FYSX course for first class to facilitate tracking credit for faculty depending on the college in which they reside
 - When credit by exam is available, then portfolio is not an option
 - Portfolio option is available only when approved by department:
 - If course and SLOs are approved a priori, student must notify faculty/department of intent to submit a portfolio one semester prior to grade's due date
 - If course and SLOs are not approved a priori, student must request option from faculty/department two semesters prior to grades due date
 - Portfolios may be submitted only after successful completion of PLAX 2000
 - Students must submit evidence of learning to satisfy approved SLOs
 - Students shall be charged a \$250 fee for each 3 credit submission where \$200 goes to the faculty member and \$50 to the institution
 - Awarded K credit

- Valdosta's PLA 2000 course: Valdosta's PLA 2000 course is to be available to Armstrong students through the GoView system once Armstrong approves of this option for the Armstrong catalog.
 - Proposed catalog entry:

Prior Learning Assessment (PLA): PLA is a process through which students identify areas of relevant learning from their past experiences, demonstrate that learning through appropriate documentation, and submit their materials so that they can be assessed. This assessment determines whether or not awarded academic credit will be awarded at Armstrong. The university works with students from diverse backgrounds to evaluate their prior learning and determine if it is commensurate with the standards and requirements of college-level learning. A total of 45 (proposed cap) semester hours can be earned through any combination of CLEP, credit by departmental examination, portfolio assessment, International Baccalaureate credit, and advanced placement credit. For more information about PLA at Armstrong, consult the PLA website at <http://www.Armstrong.edu/???/>.

Portfolio Assessment: Students use the PLA portfolio development process to document their prior learning. This process requires students to prepare and submit a collection of documents that establish and support their claim that they have specific relevant skills, knowledge, values, attitudes, understandings, achievements, experiences, competencies, training, and certifications that align with specific course objectives. The portfolio developed in the documentation course should not only describe the relevant experience; it must also identify the particular learning outcomes.

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A. Diagnostic and Therapeutic Sciences (no items)

B. Health Sciences

1. Change the prerequisite for the following course:

HSCA 3600 Financial Management for Health Related Organizations

Prerequisite: ~~None~~ ACCT 2101

Rationale: The necessary background for Financial Management for Health Related Organizations is covered in ACCT 2101 – Principles of Financial Accounting.

REQUESTED Effective Date: Fall 2014

2. Modify Area F for the Bachelor of Health Science

Core Area F18 hours

HSCC 2200 – Health Communication

HSCC 2300 – Management of Health Information

HSCC 2500 – Health Issues and Resources

RESP 2110 – Medical Terminology

MATH 2200 – Elementary Statistics*

One**course selected from:

ACCT 2101 – Principles of Financial Accounting**

ANTH 1102 - Anthropology**

ECON 1101 - Survey of Economics**

ECON 2105 – Principles of Macroeconomics**

ECON 2106 – Principles of Microeconomics**

PSYC 1101 – Introduction to Psychology**

SOCI 1101 – Introductory Sociology**

**If not taken in Area D*

***If MATH 2200 is taken in Area D, select a second course from the list*

Rationale: ACCT 2105 has always been in Area F. ACCT 2101 and 2106 should also be included in Area F. ACCT 2101 has been added as a prerequisite for HSCC 3600. By adding ACCT 2101 to Area F, it can now be used to satisfy one three hour requirement in Area F as well as the prerequisite to HSCC 3600 in the Bachelor of Health Sciences Major.

REQUESTED Effective Date: Fall 2014

C. Nursing (no items)

D. Rehabilitation Sciences (no items)

III. College of Liberal Arts

A. Art, Music, and Theatre

Art

1. Create the following course:

ARTS 3240 Web Design

1-4-3

Prerequisites: ARTS 2110

Description: Introduction to web media, graphics, and web site structure to include best practices for web design. Concepts focusing on basic design, organization, aesthetics, management and development of websites emphasized.

Rationale: This course will provide a basic-level of understanding in creating content and in editing websites. It will fulfill the need for additional course offerings that are timely and pertinent to the field graphic design.

REQUESTED Effective Term: Fall 2014

CURCAT:

Major Department: Art, Music & Theatre

Can Course be repeated for additional credit? No

Maximum Number of Credit Hours: 3

Grading Mode: Normal

Instruction Type: Lecture/Lab

2. Modify the following course:

ARTS 2110 INTRO TO GRAPHIC DESIGN

1-4-3

~~Prerequisites: ARTS 1020~~

Rationale: Course will cover the necessary material from ARTS 1020 to make the prerequisite unnecessary.

REQUESTED Effective Term: Fall 2014

3. Modify the following Program of Study:

PROGRAM FOR THE DEGREE OF BACHELOR OF FINE ARTS IN VISUAL ART

D. Studio Art Electives 27 hours

27 hours chosen from the following:

ARTS 2110 – Introduction to Graphic Design

ARTS 3030 – Oil Painting

ARTS 3040 – Watercolor Painting

ARTS 3110 – Advanced Graphic Design

ARTS 3130 – Drawing III

ARTS 3140 – Intermediate Photography

ARTS 3150 – Color Photography

ARTS 3170 – Experimentation in Photography

ARTS 3210 – Typography

ARTS 3220 – Corporate Logo and Identity Design

ARTS 3230 – Packaging Design
ARTS 3240 – Web Design
 ARTS 3310 – Pottery Techniques
 ARTS 3330 – Ceramic Sculpture
 ARTS 3350 – Glaze Experimentation
 ARTS 3620 – Jewelry/Enameling
 ARTS 3630 – Fabric Design
 ARTS 3640 – Weaving
 ARTS 3660 – Papermaking
 ARTS 3700 – Figure Sculpture
 ARTS 3710 – Sculpture Materials
 ARTS 3720 – Fiber Sculpture
 ARTS 3810 – Introduction to Digital Photography
 ARTS 4140 – Figure Drawing
 ARTS 4890 – Selected Studies in Art (up to 9 hrs)
 ARTS 4900 – Independent Study

REQUESTED Effective Term: Fall 2014

4. Modify the Following Minor

Art **15-18 hours**
 ARTS 1020 or ARTS 1030 (if not taken in the core)
 ARTS 2710 or ARTS 2720
 One lower division studio art course
 Nine semester hours of upper division art courses from the art studio and/or art history areas.

Rationale: The addition of General to the original name of Art Minor better defines the original art minor.

REQUESTED Effective Term: Fall 2014

5. Create the following Minor

Graphic Design..... 15-18 hours
ARTS 1020 (if not taken in the core), ARTS 2110, ARTS 2150
Nine semester hours from: ARTS 3110, ARTS 3210, ARTS 3220, ARTS 3230
and ARTS 3240.

Rationale: The Graphic Design minor targets specific university populations who will benefit from this course of study.

REQUESTED Effective Term: Fall 2014

6. Create the following Minor

Art History..... 15-18 hours
ARTS 1020 or 1030
ARTS 2710 (if not taken in the core), ARTS 2720, ARTS 5750
Six semester hours of ARTS 4891

Rationale: The Art History minor targets specific university populations who will benefit from this course of study.

REQUESTED Effective Term: Fall 2014

Theatre

7. Create the following course:

THEA 2690 INTRODUCTION TO DESIGN

3-0-3

Prerequisite: Eligibility for ENGL 1101

Description: An introduction to the process of designing, communicating and presenting scenery, lights, and costumes for the theatre. Includes development of drawing, painting, and drafting skills according to USITT industry standards.

Rationale: This course is needed to establish groundwork for subsequent design course work.

REQUESTED Effective Term: Fall 2014

CURCAT:

Major Department: ART, MUSIC and THEATRE

Can Course be repeated for additional credit? No

Maximum Number of Credit Hours: 3

Grading Mode: Normal

Instruction Type: Lecture

Course Equivalent: None

8. Create the following course:

THEA 3760 SCENE PAINTING

3-0-3

Prerequisite: None

Description: Introduction to the principles of scene painting, emphasizing the fundamentals of professional techniques standard to professional industry. Topics include faux treatments such as wood graining and stonework.

Rationale: This course provides skills expected of technicians in the industry.

REQUESTED Effective Term: Fall 2014.

CURCAT:

Major Department: ART, MUSIC and THEATRE

Can Course be repeated for additional credit? No

Maximum Number of Credit Hours: 3

Grading Mode: Normal

Instruction Type: Lecture

Course Equivalent: None

9. Create the following course:

THEA 3751 ADVANCED LIGHTING DESIGN

3-0-3

Prerequisite: THEA 3750 or permission of instructor

Description: Advanced study in lighting design, focusing on the development of standard industry paperwork including light plots and supporting paperwork such as magic sheets.

Rationale: This course is needed to provide advanced training for lighting designers.

REQUESTED Effective Term: Fall 2014

CURCAT:

Major Department: ART, MUSIC and THEATRE

Can Course be repeated for additional credit? No

Maximum Number of Credit Hours: 3

Grading Mode: Normal

Instruction Type: Lecture

Course Equivalent: None

10. Create the following course:

THEA 3053 THEATRE DANCE TECHNIQUES

3-0-3

Prerequisite: THEA 3000 or permission of instructor

Description: Development of physical proficiency in the performance of basic theatre dance concepts.

Rationale: This course is necessary to provide fundamental training for musical theatre performers.

REQUESTED Effective Term: Fall 2014

CURCAT:

Major Department: ART, MUSIC and THEATRE

Can Course be repeated for additional credit? No

Maximum Number of Credit Hours: 3

Grading Mode: Normal

Instruction Type: Lecture

Course Equivalent: None

11. MODIFY the following course:

THEA 3750 **INTRODUCTION TO LIGHT DESIGN**

3-0-3

Prerequisite: ~~THEA 3040 or THEA 3600~~ THEA 2690 or permission of instructor or department

Description: ~~Intensive study~~ Study of technical and design elements of stage lighting. Survey of equipment and techniques standard in performance industry.

Rationale: As reconfigured, this course will provide fundamental training for stage technicians in lighting. The change of prerequisite to THEA 2690 provides students with a better preparation than THEA 3600 or 3040.

REQUESTED Effective Term: Fall 2014

12. Modify the following Program of Study:

PROGRAM FOR THE DEGREE OF BACHELOR OF ARTS IN THEATRE

A. General Requirements

Core Areas A, B, C, D, and E 42 hours

Area F 18 hours

THEA 2270 (3 semesters) – Theatre Lab

~~THEA 2690 – Introduction to Design~~

COMM 2280 – Speech Communication

One course selected from:

THEA 1100 – Theatre Appreciation

THEA 1200 – Introduction to Theatre

THEA 2410 – Oral Interpretation

~~One course selected from:~~

~~MUSC 1110 – Basic Music Theory~~

~~ARTS 1020 – Two Dimensional Design~~

~~ARTS 1030 – Three Dimensional Design~~

~~ENGL 2100 – Literature and Humanities~~

~~ECON 2106 – Principles of Microeconomics*~~

Two course sequence in a foreign language beyond 1001

~~*If not taken in Area E, required for Management Track students~~

Physical Education 3 hours

First-Year Seminar 1 hour

B. Major Field Courses 51 hours*

THEA 3000 – Acting I

THEA 3040 – Stagecraft

THEA 3460 – Play Directing

THEA 3600 – Script Analysis

THEA 4950 – Capstone-Senior Thesis/Project (3 sem hours)

***At least 39 hours must be taken at the upper level.**

Track One: Performance Track

~~12 hours selected from:~~

THEA 3030 – Creative Dramatics

THEA 3420 – Acting II

THEA 3700 – Scene Design, **or** THEA 3750 – ~~Introduction to Light Design~~

THEA 4420 – Acting for the Camera

24 hours selected ~~from 3000 level and above Theatre classes and the following related field courses:~~

~~Related Field Courses:~~

~~Any THEA courses 3000 and above~~

~~ENGL 3010 – Intro to Literary Studies~~

ENGL 5435U – Topics in Drama

ENGL 5455U – Shakespeare

FILM 3400 – History of Film

FILM 3500 – Introduction to Film

FILM 5010U – Topics in Film

~~FILM 5025U – Popular Culture Theory and Criticism~~

FILM 5035U – Film Theory and Criticism

~~FILM 5510U – Film and Literature~~

MUSC 1300 – Applied Music

MUSC 2171 – Lyric Diction I

~~MUSC 2530 or 3530 – University Singers~~

~~MUSC 2540 or 3540 – University Chorale~~

~~PEBC 1100—Tumbling and Stunts~~
 PEBC 1501 – Beginning Modern Dance
 PEBC 1502 – Folk, Social & Contemporary Dancing
 PEBC 1530 – Intermediate Modern Dance
 PEBC 1551 – Basic Ballet
 PEBC 1552 – Intermediate Ballet
 PEBC 1580 – Jazz Dancing
~~PEHM 3050—Theory and Technique of Dance~~
 SPAN 4080 – Spanish Peninsular Theatre
 SPAN 4090 – Spanish American Theatre
 THEA 1400 – Theatre Voice I
 THEA 1500 – Theatre Voice II
 THEA 3053 – Theatre Dance Techniques

Track Two: Design/Technical Track

~~12 hours selected from:~~

THEA 3700 – Scene Design
 THEA 3750 – Introduction to Light Design
 THEA 4470 – Stage Managers and Designers Lab (must be taken three times)

24 hours selected from the following: ~~selected from 3000 level and above Theatre classes and the following related field courses:~~

~~Related Field Courses:~~

~~Any THEA courses 3000 or above~~
~~Approved ENGL, FILM and SPAN related field courses in Track One above, and~~
 ARTS 1010 – Drawing I
~~ARTS 1011—Drawing II~~
 ARTS 1020 – Two-Dimensional Design
~~ARTS 1030—Three Dimensional Design~~
~~ARTS 2150—Computer in Art~~
 ARTS 2400 – Introduction to Crafts
 ARTS 2710 – Art History I
 ARTS 2720 – Art History II
~~ARTS 3130—Drawing III~~
 ARTS 3630 – Fabric Design
~~ARTS 3710—Sculpture Materials~~

Track Three: Management Track

~~—15 hours from:~~

COMM 3050 – Interpersonal and Small Group Communications or COMM 3060 – Public Relations
 ACCT 2101 – Principles of Financial Accounting
 THEA 3470 – Theatre Management I
 THEA 3570 – Theatre Management II
 THEA 3800 – Video Production I or THEA 4420 – Acting for the Camera

3 hours selected from:

ENGL 3720 – Business and Technical Communication
 ENGL 5740U – Technical Editing
 ENGL 5750U – Publication Design

~~JOUR 3430—Journalistic Writing and Editing~~
~~JOUR 3470—Basic TV Production~~

3 hours selected from:

ECON 2106 – Principles of Microeconomics
~~ECON 3500—Managerial Economics~~
 MGMT 3111 – Skills in Entrepreneurship
 MKTG 3210 – Principles of Marketing
~~ECON 5111U—Economics of Entrepreneurship I~~
~~ECON 5112U—Economics of Entrepreneurship II~~

15 hours selected from ~~from 3000 level and above Theatre classes and the following related field courses:~~

~~Related Field Courses:~~

~~Any THEA course 3000 or above~~
~~Approved ENGL, FILM, and SPAN related Field courses noted in Track One above, and~~
 ARTS 1020 – Two-Dimensional Design
 ARTS 2040 – Introduction to Photography
 ARTS 2110 – Graphic Design
~~ARTS 2150—The Computer in Art~~

ARTS 3140 – Intermediate Photography
 ARTS 3800 – Electronic Image Manipulation
 ECON 2106 – Principles of Microeconomics
~~ECON 3500 – Managerial Economics~~
~~ECON 5111U – Economics of Entrepreneurship I~~
~~ECON 5112U – Economics of Entrepreneurship II~~
 ENGL 3720 – Bus And Tech Communication
 ENGL 5740U – Technical Editing
 ENGL 5750U – Publication Design
 MGMT 3220 - Management
~~JOUR 3430 – Journalistic Writing and Editing~~
~~JOUR 3470 – Basic TV Production~~
~~LSLI 3110 – Library Research And Electronic Resources~~
~~PSYC 3200 – Industrial and Organizational Psychology~~
~~PSYC 5300U – Leadership and Group Dynamics~~

C. Free Electives 9 hours

Total Semester Hours 124 hours

D. Exit Exam

Rationale: The following changes are proposed to eliminate options that no longer exist in the catalogue, and introduce new course work into the degree.

REQUESTED Effective Term: Fall 2014

13. Create the following Minors:

Theatre Technology and Design 15 hours
 THEA 2690, THEA 3040, THEA 4040

Six semester hours from the following: THEA 3700, THEA 3740, THEA 3750, THEA 3751, THEA 3760, THEA 3850, THEA 4470, or approved THEA 4000 design course

Video/Film 15 hours

THEA 3800, THEA 3810, THEA 4420, THEA 4430

Three semester hours from: THEA 3270, THEA 3600, or approved THEA 4000 course or approved FILM course

Theatre Management

THEA 3470 or ARTS 3470 or MUSC 3470, THEA 3570, THEA 3800, THEA 3810, COMM 3060

Rationale: Theatre Technology and Design, Theatre Management and Video/Film minors target specific university populations who will benefit these courses of study. All courses are in our current teaching inventory with the exception of THEA 2690 course being created in this proposal.

REQUESTED Effective Term: Fall 2014

B. Criminal Justice, Social, and Political Science

Sociology

1. Create the following course:

SOCI 3700 SOCIOLOGY OF TOURISM

3-0-3

Prerequisite: ENGL 1101

Description: Sociological examination of tourism and the tourism industry. Emphasis on the social construction of cultural significance and meaning, from historical sites and monuments to theme parks and vacation destinations, from the collective and social memory to the impact of tourism on development, and culture.

Rationale: Course creation contributes to the new tourism program being proposed by the College of Liberal Arts and the new Bachelors of Liberal Studies in Sociology track.

REQUESTED Effective Term: Fall 2014

CURCAT:

Major Department: Criminal Justice, Social and Political Science

Can Course be repeated for additional credit? No

Maximum Number of Credit Hours: 3

Grading Module: Normal

Instruction Type: Lecture

Course Equivalent: None

C. Economics (no items)

D. Gender and Women's Studies (no items)

E. History (no items)

F. Languages, Literature, & Philosophy

1. Create the following course:

ENGL 5700 U/G Promotional Writing

3-0-3

Undergraduate Prerequisite: ENGL 3720 or permission of department head

Graduate Prerequisites: none

Description: Theory and practice of the techniques of writing for public relations, advertising, political campaigns, fundraising, and marketing.

Rationale: The proposed course expands offerings of professional writing courses for both the BA in English/Professional Communications program and the graduate program in Professional Communication and Leadership. It broadens specific writing experience necessary for successful internships and post-graduate employment.

REQUESTED Effective Term: Fall 2014**CURCAT:****Major Department: Languages, Literature, and Philosophy****Can course be repeated for credit? No****Maximum number of Credit Hours: 3****Grading Mode: Normal****Instruction Type: Lecture****2. Create the following course:****JOUR 3460 Travel and Tourism Writing****3-0-3****Prerequisite: ENGL 1102****Description: Introduction to travel writing, the rhetoric of tourism, and the forms of writing relevant to contemporary tourism.**

Rationale: The proposed course is intended to support the new Tourism minor, developed in the College of Liberal Arts.

REQUESTED Effective Term: Fall 2014**CURCAT:****Major Department: Languages, Literature, and Philosophy****Can course be repeated for credit? No****Maximum number of Credit Hours: 3****Grading Mode: Normal****Instruction Type: Lecture****3. Modify the following program of study:****PROGRAM FOR THE DEGREE OF BACHELOR OF ARTS IN ENGLISH****Track II: Professional Communication****B. Major Field Courses 36 hours**

ENGL 3700 – Introduction to Communications

ENGL 3710 – Freelance Writing and Publication

ENGL 3720 – Business and Technical Communication

ENGL 3800 – Advanced Composition

ENGL 4990 – Internship (3-9 hrs)

Twelve semester hours from one of the following categories:

Technical Communication**ENGL 5700U – Promotional Writing**

ENGL 5710U – Writing for Nonprofits

ENGL 5730U – Rhetoric

ENGL 5740U – Technical Editing

ENGL 5750U – Publication Design

COMM 3060 – Public Relations

Journalism

JOUR 3200 – Introduction to Print and Online Media

JOUR 3430 – News Writing and Reporting

JOUR 3450 – Editing and Markup

JOUR 3460 – Travel and Tourism Writing

JOUR 4000 – Topics in Journalism (Repeatable to 6 hrs)
 JOUR 4100 – Public Affairs Reporting

REQUESTED Effective Term: Fall 2014

4. Modify the following minors:

Communication 15-18 hours

1. Two or three courses from ENGL 3720, 3730, 4700, 4740, 4750, **5700U**, 5770U, 5780U, FILM 5025U, JOUR 3430, or **JOUR 3460**
2. Two or three courses from ENGL 5730U, 5800U, 5820U, JOUR 4000, or FILM 5010U

Writing 15 hours

Must include 15 hours from the following: ENGL 3020, 3720, 3730, 4700, 4740, 4750, **5700U**, 5740U, 5750U, 5760U, 5770U, 5780U, JOUR 3270, 3430, **3460**.

REQUESTED Effective Term: Fall 2014

- G. Liberal Studies (no items)
 H. Honors Program (no items)

IV. College of Science and Technology

1. Create the following course:

PLAS 2000 Prior Learning Documentation

2-0-2

Prerequisite: Permission of the instructor.

Techniques for the development of documentation for prior learning experiences based on standards and criteria established by academic and subject-matter professionals. Students prepare and submit documentation that provides a clear description of competencies obtained. Graded “Satisfactory” or “Unsatisfactory.”

REQUESTED Effective Term: Fall 2014

CURCAT:

Major Department: College of Science and Technology

Can Course be repeated for additional credit? No

Maximum Number of Credit Hours: 2

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Course Equivalent: none

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- A. Biology (no items)
- B. Chemistry and Physics (no items)

C. Computer Science and Information Technology

1. Modify the following program of study:

PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE IN COMPUTER SCIENCE

A. General Requirements

Core Areas A, B, C, D, E42 hours

Computer science majors are required to take MATH 1113 in core area A and MATH 1161 in core area D.

Area F 18 hours

One semester hour excess for MATH 1161 from core area D and one semester hour of ~~an approved lower division elective~~ any lower division elective from the College of Science and Technology.

CSCI 1301 – Introduction to Programming Principles

CSCI 1302 – Advanced Programming Principles

CSCI 2070 – Ethical Considerations in Computer Science

CSCI 2625 – Discrete Structures for Computer Science
MATH 2072 – Calculus II

Rationale: For compatibility with Degree Works

REQUESTED Effective Term: Fall 2014

D. Engineering Studies

1. **Create the following course to be included in core area D3-Nonscience majors and Core Area D2: Clinical Health majors:**
ENGR 1112 – Introduction to Scientific Modeling and Simulation **3-0-3**
Pre-requisite: MATH 1001
Co-requisite: MATH 1111
Description: An introduction to the problems and solution methodologies in computational scientific modeling and computation. Computational tools such as a computer algebra system, visualization software and Internet resources will be used to explore and solve mathematical problems drawn from various fields of science and engineering.

Rationale:

Description

A model is a simplified representation of a system (often through software) at some particular point in time or space intended to promote understanding of the real system. A simulation is the manipulation of a model in such a way that it operates within time or space, allowing predictions that are useful for decision making regarding the design solution, effect on or by other systems. A simulation allows one to study various “what if” scenarios virtually, that would be too costly to study in real life. Computational science refers to the use of software to apply numerical techniques using so solve large and complex problems. Most real-world problems cannot be solved with a closed form solution but accurate answers may be obtained through numerical approximation.

Modeling and Simulation software are typically programmed based on computational scientific techniques. Computational science is a rapidly emerging interdisciplinary field that blends engineering, computer science, and mathematics. However the approaches developed can also be applied to many problems in business, health, education, psychology, the traditional sciences, economics, and management.

Objective

The goal of this course is to introduce students of all disciplines to fundamental modeling and simulation techniques and basic related mathematical programming concepts. The expectation is that exposure to the power of computation across fields will encourage and motivate students to pursue more advanced computational or simulation courses relevant or complementary to their chosen field of study.

Why a part of the core?

As we continue to apply technology with increasing rates to increasingly diverse fields, the ability to apply computing methods to model, simulate and solve problems will become essential for most professions, including traditionally less technical professions such as business, finance, criminal justice, education, psychology and public policy. Graduates from all majors who have some experience with simulation, modeling or computational methods will have a distinct advantage over those with no exposure.

Need

Modeling and simulation is beginning to play a greater role in business, management, economics and the health sciences. Health Informatics is now one of the fastest growing areas within the very large field of information technology and computer science [1]. Most modern business programs have at least one course in computational methods which examines topics such as portfolio optimization and Monte Carlo methods for pricing options and the evaluation of investment strategies. Scholars of higher education assessment are increasingly supportive of simulation and modeling and the associated computational programming as a general course for science and non-science majors. As early as 1999, Feirzeg [2] stated that “The sciences (including social sciences) we need to learn in the 21st century will involve extensive use of computational models”. It is also well documented that modern science education falls short of preparing students to develop and/or apply models related to their chosen career path. In the field of biology, Cassman [3] pointed out that “Unfortunately, the translation of systems biology into a broader approach is complicated by the innumeracy of many biologists”. Modeling and simulation has now become a technical field that pervades a wide cross-section of science, business and engineering applications [4]. So much so, that several universities have also introduced modeling and simulation degrees at the graduate and PhD levels. Related efforts at Winona State include the development of interdisciplinary application tracks. [5]

Currently there are numerous course specific computational courses, ex. Computational biology, physics, chemistry, business, economics, and several engineering subfields. An introductory simulation course serves as a preparatory course for students who will go on to take more advanced computational courses. Table 1 lists similar courses offered at other universities. Note the courses listed in Table 1 may belong to a particular department, engineering, computing, etc. however their pre-requisite requirements allow most freshman or sophomore level students to take them. These courses are typically mandatory for science and engineering students but are also at a technical level appropriate for non-STEM majors who have met the basic math or science elective.

Table 1: Examples of Introductory Modeling and Simulation Courses

Undergraduate Course	Institution
Introduction to Modeling and Simulation	Old Dominion University
Introduction to Modeling and Simulation	Virginia’s Community College
Introduction to Computer Simulation	New York University
Simulation and Modeling	State University of New York

Introduction to Computational Thinking	Purdue University
An Introduction to Computer Science for Non-majors: Using principles of Computation	Carnegie-Mellon University
Introduction to Simulation	University of Pittsburg
Physically Based Modeling, Simulation and Animation	University of North Carolina: Chapel Hill
Introduction to Computational Science	Lafayette College
Introduction to Computational Methods	Washington State University

Effective Term: Dependent on Board of Regents approval

CURCAT:

Major Department: Engineering Studies

Can Course be repeated for additional credit? No

Maximum Number of Credit Hours: 3

Grading Mode: Normal

Instruction Type: Lecture

Course Equivalent: None

1. W. Hersh, "A stimulus to define informatics and health information technology," *BMC Medical Informatics and Decision Making*, vol. 9, no. 24, 2009.
2. W. Feurzeig and N. Roberts, *Modeling and Simulation in Science and Mathematics Education*, Volume 1, Springer, 1999.
3. M. Cassman, "Barriers to Progress in Systems Biology," *Nature*, vol. 438, no. 22, 2005.
4. H. Szczerbicka, J. Banks, R. Rogers, T. Oren, H. Sarjoughian and B. P. Zeigler, "Misconceptions of Curriculum for Simulation Education," in *WSC*, Orlando, 2000.
5. M. Zhang, E. Lundak, C.-C. Lin, T. Gegg-Harrison and J. Francion, "Interdisciplinary Application Tracks in an Undergraduate Computer Science Curriculum," in *SIGCSE 2007: Proceedings of the 38th ACM SIGCSE Technical Symposium*, Kentucky, 2007.

2. Modify the following course:

ENGR 1371 COMPUTING FOR ENGINEERS

3-0-32-3-3

Rationale: This course involves extensive numerical programming. While it is a 3-0-3 at Georgia Tech, it has a lab component at other engineering institutions such as Georgia Southern University. The students who are admitted to Georgia Tech tend to have stronger backgrounds in computing (relative to Armstrong students). We propose a lab component to this course such that students can spend more supervised time improving their programming skill. This course has had a relatively high DWF rate since inception; the establishment of more "hands on" lab time is one of several solutions we hope to implement.

Effective Term: Spring 2015

CURCAT:

Major Department: Engineering Studies
Can Course be repeated for additional credit? No
Maximum Number of Credit Hours: 3
Grading Mode: Normal
Instruction Type: Lecture and Laboratory
Course Equivalent: None

E. Mathematics**1. Create the following course:****MATH 1111L College Algebra Laboratory****0-V-0****Corequisite: MATH 1111****Description: Mathematical activities supplement the lecture material of MATH 1111.****REQUESTED Effective Term: Fall 2014****CURCAT:**

Major Department: Mathematics
Can Course be repeated for additional credit? n/a
Number of Credit Hours: 0
Grading Mode: none
Instruction Type: laboratory
Course Equivalent: None

Rationale: With DFW rates of 46.3% (for MATH 1111) and 44.2% (for MATH 1161 for Academic Year 2012-13 [3], College Algebra and Calculus are foundational mathematics classes where many students struggle. The purpose of the laboratories is to incorporate structured supplemental activities into the courses, which have been shown to increase retention, increase grade point averages, and decrease DFW rates [1,2,4].

[1] David Arendale, *Understanding the Supplemental Instruction Model*, New Directions for Teaching & Learning, Volume 1994 Issue 6, 11-21.

[2] V. Fayowski and P. D. Macmillan, *An Evaluation of the Supplemental Instruction Programme in a First Year Calculus Course*, International Journal of Mathematical Education in Science and Technology, Vol. 39, 7 (2008), 843-855.

[3] Office of Institutional Research, *DFW Rates in Mathematics, 2012-13*.

[4] A. Peterfreund, K. Rath, S. Xenos, and F. Bayliss, *The Impact of Supplemental Instruction on Students in STEM Courses: Results from San Francisco State University*, Journal of College Student Retention, Research, Theory & Practice, Volume 9 Issue 4, (2007), 487-503

2. Create the following course:

MATH 1161L Calculus Laboratory

0-V-0

Corequisite: MATH 1161

Description: Mathematical activities supplement the lecture material of MATH 1161.

Rationale: Same as item 1.

REQUESTED Effective Term: Fall 2014

CURCAT:

Major Department: Mathematics

Can Course be repeated for additional credit? n/a

Number of Credit Hours: 0

Grading Mode: none

Instruction Type: laboratory

Course Equivalent: None

3. Modify the following program of study:

**PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE IN
MATHEMATICAL SCIENCES**

A. General Requirements

Core Areas A, B, C, D, and E42 hours

Mathematics majors are required to take MATH 1113 in core area A and MATH 1161 in core area D

Area F18 hours

One hour excess for MATH 1161 from area D

MATH 2072 – Calculus II

MATH 2083 – Calculus III

MATH 2160 – Linear Algebra

CSCI 1301 – Introduction to Programming Principles

Three hours of ~~approved~~ lower division electives

Rationale: While moving to an automated degree audit system for advising, the word "approved" cannot be programmed and automated. The system can handle the phrase "three hours of lower division electives."

REQUESTED Effective Term: Fall 2014

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

**PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE IN
MATHEMATICS WITH TEACHER CERTIFICATION**

A. General Requirements

Core Areas A, B, C, D, and E42 hours
 Mathematics majors are required to take MATH 1113 in core area A and MATH
 1161 in core area D
 Area F18 hours
 One hour excess for MATH 1161 from area D
 MATH 2072 – Calculus II
 MATH 2083 – Calculus III
 MATH 2160 – Linear Algebra
 CSCI 1301 – Introduction to Programming Principles I
 Three hours of ~~approved~~ lower division electives

Rationale: While moving to an automated degree audit system for advising, the word "approved" cannot be programmed and automated. The system can handle the phrase "three hours of lower division electives."

REQUESTED Effective Term: Fall 2014

F. Psychology

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

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

D. ELECTIVES16 hours
~~7 credit hours of approved upper division electives~~ **7 credit hours of any 3000,
 4000, or 5000 level courses**
 3 credit hours of free electives
 6 credit hours of approved electives in Biology, Chemistry, Mathematics, or Physics.

Rationale: The modification provides more specificity to the student and makes our Program of Study compatible with Degree Works.

REQUESTED Effective Term: Fall 2014

OTHER BUSINESS

A. Prior Learning Assessment (see Attachment 1)

John Kraft

ADJOURNMENT

Recommendations on Prior Learning Assessment to the UCC:

Adult Learner Consortium:

This Consortium is designed to assist in improving adult learner-focused services, programs and outreach to Georgia adults who are interested in completing college. Armstrong joined AY 2011-2012. Other schools in the consortium include:

- Atlanta Metropolitan State College
- Bainbridge State College
- Columbus State University
- Dalton State College
- Fort Valley State University
- Georgia Perimeter College
- Georgia Southwestern State University
- Gordon State College
- Middle Georgia State College
- Southern Polytechnic State University
- University of North Georgia
- Valdosta State University

The following recommendations include changes that are necessary for participation in eMajor. Armstrong Language faculty has come to a consensus to participate in an online Modern Language bachelor's degree consortium. The faculties from various institutions are convening to draft a common curriculum later in February. This curriculum will come back to each university for approval. The organization of the program is similar to the WebBSIT arrangement, but is anticipated to serve Armstrong students better.

We received a small grant to enroll faculty in prior learning assessment (PLA) online courses in order to understand the strengths and weaknesses of various PLA options. PLA is an umbrella term for mechanisms for awarding credit when students have demonstrated competency in student learning outcomes associated with particular classes. CLEP exams are probably one of the best known PLA options. Other credit by exam options include AP tests, IB course exams, SAT II subject tests, DANTES Subject Standardized Tests, and Excelsior College Examinations. Another option is to develop Challenge Exams. Challenge exams are constructed by faculty in lieu of proprietary tests where students may earn college credit for meeting faculty determined criteria. Another option is to have students develop portfolios that address faculty determined student learning outcomes in order to earn credit. Degree completion programs often use licensure exam success as a measure for awarding credit.

The adult learning consortium asks us to consider expanding our PLA options because they believe that adult learners often come to universities having already achieved certain learning outcomes and only need the chance to demonstrate competency. The ability to gain college credit through PLA options will likely move adult learners through college faster and help us achieve Complete College Georgia goals of retention, progression, and graduation.

2012-2013 Cohort: Trish Holt (COE, Adult Education), Dennis Murphy (CLA Criminal Justice), Joy Reed (CST, Computer Science), Christine Moore (CHP, Respiratory Therapy), and Greg Anderson (Orientation and Advising).

2013-2014 Cohort: Barbara Hubbard (COE, Childhood Education), Matthew Draud (CST, Biology), Thomas Murphy (CST, Engineering), Sara Plaspohl (CHP, Public Health), Maya Clark (CHP, CSDS), Catherine Gilbert (CHP, Nursing), Carol Benton (CLA, Music), June Hopkins (CLA, History), Beth Howells (CLA, English), Melanie Link-Perez (CST, Biology), and Nancy McCarley (CST, Psychology).

Recommendations seeking feedback:

- **PLA Cap:** Currently, Armstrong does not have a cap on the number of credits one can earn through PLA options. We recommend a cap of 45 credit hours. Some of our degree completion programs already award 33 hours of PLA (e.g., RN to BSN program). It is recommended that department heads review PLA opportunities periodically.
 - Catalog entry: **Prior Learning Assessment Credit Hour Cap:** Students may only use up to 45 credit hours earned through PLA options for degree requirements.
- **Department Challenge Exams:** We recommend that where we don't have CLEP or other credit by exam options departments use exams constructed by faculty to determine if SLOs have been met. A modified comprehensive exam is one such model. One such test might be a GA history exam for transfer students who completed an American government course, but often take HIST/POLS 1100 to complete the core and legislative requirements. Departments construct and control Challenge Exams. They could be administered for a fee through the testing center.
 - Catalog Entry: **Department Challenge Exams:** These exams are comprehensive exams that determine whether or not a student has met the same learning outcomes required of any student who received a passing grade in a course. These exams may include oral presentations or demonstrations. These exams are available only for specific courses for which there is no CLEP test available, usually for students who have experience and learning in a specific field. Students passing this type of exam would receive K credit for a course. The authority to determine whether a challenge exam option is viable for a course rests with the department who teaches that course. Challenge exams are not appropriate for all courses
- **Transferring Transcribed PLA from other ALC institutions:** We recommend that if an ALC institution has evaluated PLA to be equivalent to one of their courses and we have an articulation agreement for those courses, then Armstrong should also award credit for those courses if we accept the student as a transfer student. For example, if a Valdosta student completes a CLEP test in humanities and it is transcribed as their ART 1100 (Introduction To The Visual Arts) course and that student transfers to Armstrong, then we shall give CLEP credit for ARTS 1100 (Art Appreciation) in a consistent manner to our articulation agreement with Valdosta courses without having the student resending the official test scores which would require reevaluation. Transferring K credit would include credit earned through portfolios under the ALC condition that portfolios are not used when credit by examination is available. Department heads retain the

authority to disallow the transfer of transcribed PLA credit if the sending institution did not follow ALC guidelines and agreements.

- Catalog Entry: **Transferring Transcribed PLA Credit:** Armstrong will accept K credit earned through prior learning assessment from other Adult Learning Consortium members as long as the course meets a core requirement or is accepted through an articulation agreement. This includes K credit earned through portfolios as long as the institution follows the Adult Learning Consortium stipulation to use credit by exam instead of portfolios whenever that option is available.
- **Accepting all CLEP tests:** We recommend accepting more CLEP results of 50+ for ELEC credit. Armstrong doesn't accept all CLEP tests because we don't have equivalent courses, but in one case we allow ELEC credit to be awarded (American Government) based on the American Council of Education recommended criteria of 50 on CLEP exams for the awarding of college credit. There are several additional CLEP tests not in our catalog. A score of 50+ could be used to attain ELEC credit much like transfer courses that don't have any equivalents at Armstrong. Department heads notify the Catalog Coordinator with score changes.
- **Developing Portfolio Evaluation Expertise:** Once a department has identified a course as being appropriate for a portfolio option, it must develop student learning outcomes consistent with the course description. It would also be helpful to provide examples of evidences for demonstrating student learning. It is the student's responsibility to produce adequate documentation. All students are required to take a PLA course before submitting a portfolio for evaluation and credit.
 - Course creation:

PLAX 2000 Prior Learning Documentation	2 – 0 – 2
Prerequisite: Permission of the instructor.	
Techniques for the development of documentation for prior learning experiences based on standards and criteria established by academic and subject-matter professionals. Students prepare and submit documentation that provides a clear description of competencies obtained. Graded "Satisfactory" or "Unsatisfactory."	

REQUESTED Effective Term: Fall 2014

CURCAT:

Major Department: College of X

Can Course be repeated for additional credit? No

Maximum Number of Credit Hours: 2

Grading Mode: S/U

Instruction Type: Lecture

Course Equivalent: none

Rationale: The Adult Learning Consortium and eMajor programs ask us to expand our Prior Learning Assessment (PLA) options; they believe that adult learners frequently come to universities already having achieved certain learning outcomes and only need the chance to demonstrate course competencies. PLA options include, but are not limited to, CLEP, credit by departmental examination, advanced placement credit, International Baccalaureate credit, and portfolio assessment. The ability to gain college credit through PLA options will facilitate adult learners' progress through college and help us achieve Complete College Georgia goals of improving retention, progression, and graduation rates.

Two cohorts of Armstrong faculty have completed (or are completing) PLA workshops and generally support including a portfolio PLA for students.

- 2012-2013 Cohort: Trish Holt (COE, Adult Education), Dennis Murphy (CLA Criminal Justice), Joy Reed (CST, Computer Science), Christine Moore (CHP, Respiratory Therapy), and Greg Anderson (Orientation and Advising).
- 2013-2014 Cohort: Barbara Hubbard (COE, Childhood Education), Matthew Draud (CST, Biology), Thomas Murphy (CST, Engineering), Sara Plaspohl (CHP, Public Health), Maya Clark (CHP, CSDS), Catherine Gilbert (CHP, Nursing), Carol Benton (CLA, Music), June Hopkins (CLA, History), Beth Howells (CLA, English), Melanie Link-Perez (CST, Biology), and Nancy McCarley (CST, Psychology).

Consider the proposed course with the following policy guidelines for implementation:

- Armstrong Policy:
 - Each college is to have a PLAX 2000 course, much like each college has a FYSX course for first class to facilitate tracking credit for faculty depending on the college in which they reside
 - When credit by exam is available, then portfolio is not an option
 - Portfolio option is available only when approved by department:
 - If course and SLOs are approved a priori, student must notify faculty/department of intent to submit a portfolio one semester prior to grade's due date
 - If course and SLOs are not approved a priori, student must request option from faculty/department two semesters prior to grades due date
 - Portfolios may be submitted only after successful completion of PLAX 2000
 - Students must submit evidence of learning to satisfy approved SLOs
 - Students shall be charged a \$250 fee for each 3 credit submission where \$200 goes to the faculty member and \$50 to the institution
 - Awarded K credit
 - Valdosta's PLA 2000 course: Valdosta's PLA 2000 course is to be available to Armstrong students through the GoView system once Armstrong approves of this option for the Armstrong catalog.

- Proposed catalog entry:

Prior Learning Assessment (PLA): PLA is a process through which students identify areas of relevant learning from their past experiences, demonstrate that learning through appropriate documentation, and submit their materials so that they can be assessed. This assessment determines whether or not awarded academic credit will be awarded at Armstrong. The university works with students from diverse backgrounds to evaluate their prior learning and determine if it is commensurate with the standards and requirements of college-level learning. A total of 45 (proposed cap) semester hours can be earned through any combination of CLEP, credit by departmental examination, portfolio assessment, International Baccalaureate credit, and advanced placement credit. For more information about PLA at Armstrong, consult the PLA website at <http://www.Armstrong.edu/PLA/> (to be constructed).

Portfolio Assessment: Students use the PLA portfolio development process to document their prior learning. This process requires students to prepare and submit a collection of documents that establish and support their claim that they have specific relevant skills, knowledge, values, attitudes, understandings, achievements, experiences, competencies, training, and certifications that align with specific course objectives. The portfolio developed in the documentation course should not only describe the relevant experience; it must also identify the particular learning outcomes.

If prospective students have other learning experiences that may fit courses not served by departmental examination or by national standardized examination, they may be advised to consider prior learning assessment by portfolio. Students will then be advised to sign up for the PLA Documentation course (PLAX –Prior Learning Documentation). This course is the method by which students will develop documentation for the courses for which they hope to earn PLA credit. The PLA Documentation Course is a two credit-hour course and is taught by a PLA trained faculty member. In this course, students will learn how to develop the appropriate documentation sets for the classes for which they wish to seek credit. By the end of the semester, they should have materials ready to submit to faculty assessors from the program in which they are seeking credit. Students should be aware, however, that some courses are not available for portfolio assessment regardless of documentation. Individual departments determine which courses, if any, are available for PLA credit by portfolio.

Examples of courses that faculty recommended as good candidates for PLA portfolio options:

- CLA: CRJU 2200 - Criminal Investigation
 - COURSE DESCRIPTION: This course covers the fundamentals of criminal investigation including the gathering of investigative information from victims and witnesses, the search and recording

of crime scenes, and the principles involved in collecting and preserving physical evidence. There is a strong emphasis on investigative policies, procedures, and practices that are necessary and essential to secure the truth within today's legal climate.

- CST: CSCI 1301 - Introduction to Programming Principles
 - COURSE DESCRIPTION: Overview of computers and programming. Fundamentals of structured computer programming; primitive data types, expressions, control statements, methods, arrays, searching, sorting; debugging techniques; introduction to algorithm analysis.
 - CST: BIOL 3150 - Horticulture
 - Basic gardening principles with emphasis on plant growth and development as responses to environmental conditions; plant classification, growth and development, environment, propagation, disease, pest control.
 - CHP: RESP 2110 - Medical Terminology
 - COURSE DESCRIPTION: The language of medicine and health care: word construction, definitions, spelling, abbreviations, symbols and information technology systems. Development of ability to comprehend and discuss medical records and professional journals. Development of effective written and oral communication skills.
 - CST: NURS 3304: Professional Nursing Practice
 - COURSE DESCRIPTION: Theoretical concepts for the foundation of professional nursing
 - COE: EDUC 2110 – Investigating Critical and Contemporary Issues
 - COURSE DESCRIPTION: Overview of the critical and contemporary issues facing the field of professional educators, including social and political contexts of educational settings in Georgia and the US.
- **International Baccalaureate Credit**
 - From catalog: International Baccalaureate Diplomas and Certificates
Students who have participated in International Baccalaureate Programs in their high schools are welcomed at Armstrong Atlantic State University. In many circumstances, we are able to award college credit for exemplary performance in IB courses. If the student did not earn an International Baccalaureate Diploma but did earn a certificate in one or more higher level International Baccalaureate (IB) courses, we award specific course credit as described on the following schedule, up to a maximum of 24 semester hours
 - Currently we have 10 Armstrong courses linked to IB scores. We'll be updating our IB acceptance policy by asking department heads to revisit IB course descriptions/tests so that more equivalencies are explicitly stated.

- **College Credit for Military Experience and Training**
 - From catalog: As an institutional member of the Servicemembers Opportunity Colleges Consortium, Armstrong Atlantic State University provides service members with an option to petition for credit for military training. Eligible service members may be awarded a three-semester-hour physical activity credit (PEBC 2001) upon receipt of official documentation. Students must complete the required request form within their first semester of enrollment at Armstrong. Students should submit official documentation of successful completion of military basic training (DD-214, JST or Community College of the Air Force transcript) with the required request form to the Veterans Affairs office. Additional academic credit for military education may be granted for highly specialized academic training (e.g., foreign language schools) if applicable to the service member's degree program. Adequate documentation must be provided by the student and accompany each request.
 - Currently we give credit MILS credit which satisfies PE and open electives, and we create equivalencies with Armstrong courses through military transcripts on an as requested basis.
 - Our goal is to create more equivalencies and publish them.
 - Portfolios will likely be helpful to military students have can document the majority of SLOs met through a military transcript, but need to demonstrate mastery of additional SLOs.