

## SUMMARY REPORT

### Curriculum Committee

Florida SouthWestern State College

January 23, 2015, AT 1:00 PM

**Members constituting quorum:** Jennifer Grove, Don Ransford (by proxy), Anne Angstrom, Andrew Blitz, Cynthia Chausse (by proxy), Michelle Fanslau, Christy Gilfert, Susan Hibbard (by proxy), James Langlas, Amanda Lehrian, Qin Lu, Garnett, Lisa McGarity, Mary Myers, John Salem, William Shuluk, Gayle Wetzel, and Ann Wilson.

### Action items #1 and #2

**Proposals: BS, Middle Grades Science Education**

**BS, Secondary Biology Education**

**Explanation:** The proposals call for changing the core requirements by deleting ISC 3120 and adding ISC 1002C. Teacher candidates in the Middle Grades Science and Secondary Biology programs in the School of Education are currently required to take ISC 3120, Scientific Process, as a program requirement. The course has been offered and taken at Florida Gulf Coast University. The objectives of ISC 3120 include the introduction to the scientific method, research design, and the role of science in society through discussion and debate. Based on our students' recent experiences in the course at FGCU and as revealed through syllabi posted to the Web, a primary objective of the course is teaching students the process for conducting formal research, including the preparation of grant proposals. Given the new Florida Standards for K-12 students and the learning outcomes for teacher candidates assessed by the Florida Teacher Certification Examinations for Middle Grades Science, Grades 5-9, and Secondary Biology, Grades 9-12, it is proposed that ISC 1002C, Foundations of Interdisciplinary Science II, be added to the program requirements, thereby eliminating the need for ISC 3120. It is also important to note that FGCU science education students are no longer required to take ISC 3120. ISC 1002, which is offered here at Florida SouthWestern State College, would still reinforce the concepts associated with the scientific method and experimental design while also expanding on the content-area knowledge needed by both middle grades and secondary science educators. With a focus on experiments on the topics of energy, chemistry, and environmental biology, our teacher candidates would not only have the opportunity to grow in their subject-area expertise, but participate in educational opportunities that could be modified to share in their own classroom teaching experiences. In addition, competencies in the areas of energy, the structure and behavior of matter, life processes, diversity of animals, and the interactions of science, technology, and society have been shown to be areas of weakness for candidates that have not succeeded in passing the Florida Teacher Certification Examinations for Middle Grades Science Education, Grades 5-9, and Secondary Biology, Grades 9-12. The topics included in the ISC 1002C course offer a better alignment with those areas and will serve as an excellent opportunity to revisit and reinforce those concepts prior to taking those subject-area examinations.

**Recommendation:** In one voice vote, the changes were accepted. Applicable date is Fall 2015.

**Status:**

*Approved DCW 5/6/15*

### **Action item #3**

**Proposal:** AST 2002C Astronomy

**Explanation:** This is one of the state-designated general education core courses in the natural sciences; adding this course to our curriculum increases the options our students have in covering their general education requirements by taking a course in the physical sciences. One member asked if the other Astronomy courses would still be taught, and the answer was that they will, but the faculty see the others as phasing out.

**Recommendation:** In a voice vote, the new course was accepted. Applicable date is Fall 2015.

**Status:**

*Approved Date 5/6/15*

### **Action item #4**

**Proposal:** PHY 1020C Fundamentals of the Physical World

**Explanation:** This is one of the state designated general education core courses in the natural sciences; adding this course to our curriculum increases the options our students have in covering their general education requirements by taking a course in the physical sciences.

**Recommendation:** In a voice vote, the new course was accepted. Applicable date is Fall 2015.

**Status:**

*Approved Date 5/6/15*

### **Action item #5**

**Proposal:** PCB 3043C General Ecology with Lab

**Explanation:** The proposal makes changes to the course title and prerequisites. "with Lab" is to be dropped from the title. Also, Dr. Daniel McDevit, who will be teaching the course this Spring, along with other faculty who are familiar with the course, recommended that BSC1010/L and BSC1011/L are sufficient prerequisites for PCB 3043C. In addition, in requiring only BSC1010/L and BSC1011/L as prerequisites, our course will be more in line with the current prerequisites for this same course at FGCU. (It should be noted that FGCU did include CHM 2045/L as a prerequisite at the time when we originally tried to "bring over" this course to our institution as part of the coursework for the School of Education.) His recommendation was discussed at department meetings and examined by a committee of three professors (Christina Ottman, Dr. Daniel McDevit, who will be teaching the course this Spring, along with other faculty who are familiar with the course, recommended that BSC1010/L and BSC1011/L are sufficient prerequisites for PCB 3043C.

**Recommendation:** In a voice vote, the changes were accepted. Applicable date is Fall 2015.

**Status:**

*Approved 5/6/15*

### **Action item #6**

**Proposal:** PCB 3063C Genetics

**Explanation:** The proposal makes changes to the course prerequisites. There are more prerequisites for this class at FSW than other regional schools. Regional schools have a biology I

and chemistry I requirement but do not require BSC 1011/1011L. Students may benefit from BSC 1011/1011L before genetics; however, the material covered in BSC 1010/1010L and CHM 2045/2045L is sufficient for success in PCB 3063C. Additional upper-division course requirements should not be listed here. The extra prerequisites are not necessary for the class and inhibit students from joining the course. The prerequisites for PCB 3063C at USF and UCF do not require BSC 1011/1011L. They take BSC1010/1010L or equivalent along with a general chemistry class.

**Recommendation:** In a voice vote, the changes were accepted. Applicable date is Fall 2015.

**Status:** *Approved Dec 5/6/15*

### **Action items #7, #8 and #9**

**Proposals:** RTE 2571 Physics and Instrumentation in CT  
RTE 2571L CT Clinical Education  
RTE 2562 Cross-sectional Anatomy and Pathology for CT

**Explanation:** These courses will be three components of the proposed ATC in Computed Tomography. Successful completion of these three courses will fulfill the educational requirement to sit for the ARRT post-primary certification exam in Computed Tomography. The chair asked from where the machinery would come. Before this proposal, the students had to find where to use them. Now, it's a type of internship, where hospital personnel give feedback on students' progress. Also, for the catalog, it was recommended to add the restriction "Approval of Dean" or a major code restriction.

**Recommendation:** In one voice vote, the new courses were accepted, and the presenter agreed to a major restriction code. Applicable date is Fall 2015.

**Status:** *Approved 5/6/15 Dec*

### **Action item #10**

**Proposal:** ATC Computed Tomography

**Explanation:** In Radiologic Technology, the primary professional certification is by the American Registry of Radiologic Technologists (ARRT). Following the technologist's initial certification, he or she can gain additional, post-primary certifications in various special imaging modalities including: Computed Tomography (CT) amongst others. Currently, registered technologists may challenge these post-primary certification examinations with a minimum of one year of experience in the specialty area and by showing competence in a specified number of procedures. Beginning January 1, 2016, however, the ARRT requires that candidates must also document completion of structured education program. The faculty of the Radiologic Technology program would like to recommend that FSW become the provider of the educational requirements of those Registered Technologists in our area wishing to become eligible for post-primary certification in Computed Tomography. There are currently six other state colleges (see above) offering this certificate and the structure of these programs are all very similar. Each has three, three credit-hour courses held in one semester which include courses in Cross-sectional Anatomy and Pathology (RTE 2762), Physics and Instrumentation in Computed Tomography (RTE 2571), and Computed Tomography Clinical Education (RTE 2571L). The proposed certificate program at FSW will contain the same three courses.

**Recommendation:** In a voice vote, the new certificate was accepted. Applicable date is Fall 2015.

**Status:**

*Approved Dec 5/6/15*

### **Action items #11 through #15**

**Proposals:** TRA 1420 Introduction to Trucking Operations  
AVM 2120 Air Cargo Operations  
TRA 1430 Introduction to Port Freight Operations  
TRA 1410 Introduction to Rail Freight Operations  
TRA 2402 Intermodal Transportation Operations

**Explanation:** These five courses were developed for the **Intermodal Freight Transportation Certificate** below.

**Recommendation:** In one voice vote, the new courses were accepted. **Applicable date is Fall 2015 for all but TRA 1410, which is applicable Summer 2015.**

**Status:**

*Approved Dec 5/6/15*

### **Action item #16**

**Proposal:** *CCC Intermodal Freight Transportation*

**Explanation:** FSW applied for and received \$1.2M in TAA grant funding to provide training to economically disadvantaged populations, particularly in the eastern parts of our service area. A significant portion of the training forecast in the Statement of Work was to be in the area of Logistics in support of the proposed America's Gateway project in Moore Haven. That project was delayed. If the project had not been slated to move forward, FSW would have needed to submit a modified Statement of Work and nominate a different educational program. However, in late spring, Glades County received a legislative appropriation to begin construction of the America's Gateway project's training center. The project coordinators are in the process of updating the business plan and have conducted focus groups with industry to identify training needs. The County is also actively pursuing anchor companies to locate in the Intermodal Logistics Center at America's Gateway. Given that the project is moving forward and that Logistics is a primary focus of the project, it is prudent to adhere to our original intent under the Statement of Work and provide a Logistics training curriculum; however, FSW needs to start the program in the spring of 2015. In addition to America's Gateway, several existing logistics centers (Wal-Mart, LeeSar, Chico's, and Arthrex are already in operation in or near our service area and another, Cheney Brothers (with an anticipated 700 employees) is currently under construction in Charlotte County.

**Recommendation:** In a voice vote, the certificate was accepted. Applicable date is Fall 2015.

**Status:**

*Approved. Draft 5/6/15*

### **Action items #17 through #21**

**Proposals:** CGS 2135 Introduction to Computer Forensics  
CTS 1131 Computer Hardware  
CTS 1133 Computer Software  
CTS 2392 Configuring Advanced Windows 2012 Services  
CTS 2307 Windows Management

**Explanation:** **CGS 2135 Introduction to Computer Forensics** will replace the CJE 2670 Introduction to Forensic Science course in the Network Security CCC and will also serve as an elective course in the AS in Networking Systems Technology. This course is more appropriate since the topic is listed on the state framework, and it has been suggested by the advisory board as a valuable skill that network security professionals providing valuable industry relevancy. For **CTS 1131 Computer Hardware** and **CTS 1133 Computer Software**, the faculty believes that the content necessary for students to become proficient in the skills needed to pass both halves of the Comp-TIA A+ hardware/software industry certification examination is too great to be adequately covered in a single course, CGS 2260, as is currently the practice. Current low A+ certification test pass rates also tend to support this position. The faculty proposes the creation of two courses, CTS 1131 and CTS 1133, to replace the single course, CGS 2260, to separately address the requisite hardware and software concepts. The faculty has also proposed minor changes to the remaining curriculum and the AS Networking Systems Technology degree program to accommodate the changes the addition of these two courses (and the deletion of another) will impose. **CTS 2392 Configuring Advanced Windows 2012 Services** is the last of three classes that students will have to take to prepare for the Microsoft MCSA certification support providing valuable industry relevancy. **CTS 2307 Windows Management** provides the additional content needed for students that have completed CTS2306 to prepare them for the Microsoft Certification in desktop support providing valuable industry relevancy

**Recommendation:** In one voice vote, the new courses were accepted. Applicable date is Fall 2015.

**Status:** *Approved Dec 5/6/15*

## Action item #22

**Proposal:** **DSC 2242 Transportation and Border Security**

**Explanation:** This is the third of three courses being presented at RSW at the request of the TSA. One member asked who would teach this course, and the faculty from Criminal Justice and Homeland Security would be doing so.

**Recommendation:** In a voice vote, the new course was accepted. Applicable date is Fall 2015.

**Status:** *Approved Dec 5/6/15*

## Action item #23

**Proposal:** **CPO 2001 Comparative Politics**

**Explanation:** This is one of four basic courses in political science; as such, it will fill a gap in our curriculum. Currently there is no offering of comparative politics at the college, a clear deficiency in our general education program. This proposed curriculum action will be a step forward in meeting general education mandates from the state legislature as well as a positive move towards providing an innovative education, expanding the global and cultural awareness of our student body.

**Recommendation:** In a voice vote, the new course was accepted. Applicable date is Fall 2015.

**Status:** *Approved Dec 5/6/15*

## Action items #24 through #30

**Proposals:** PSY 2012 General Psychology  
LIT 2000 Introduction to Literature  
SYG 1000 Introduction to Sociology  
AMH 2010 History of the US to 1865  
AMH 2020 History of the US 1865 to Present  
ECO 2013 Economics I  
ECO 2023 Economics II

**Explanation:** All inventoried courses changed their titles to align with state guidelines pursuant to Section 1007.25, Florida Statutes and to amend the College Catalog. **LIT 2000 Introduction to Literature**, a new course proposal, has been recommended by the state for the new general education requirements and is being adopted by other colleges and universities in Florida. It will provide students with an important option for fulfilling their educational needs. **AMH 2010 History of the US to 1865's** and **AMH 2020 History of the US 1865 to Present** course title changes made it necessary to revise the topic outline and learning outcomes to adjust to the new course title. In the process of revisions, the course outlines were updated.

**Recommendation:** In a voice vote, the changes and new course were accepted. Applicable date is Fall 2015.

**Status:** *Approved Dec 5/6/15*

## Action item #31 and #32

**Proposals:** PGY 1800C Intro to Digital Photography  
PGY 1801C Advanced Digital Photography

**Explanation:** The proposal changes the course clock/contact hours from three to four. All fine arts courses at the college are considered "lab" courses and require an additional contact hour between students and faculty. Perhaps because these two courses were initially taught as an online course, they currently encompass just 3 contact/load hours. Since the courses are now being taught on ground, one more contact/credit hour needs to be added to be in sync with the other fine arts courses and to give students the adequate amount of time they need to learn.

**Recommendation:** In a voice vote, the changes were accepted. Applicable date is Fall 2015.

**Status:** *Approved Dec 5/6/15*

## Action items #33 through #53

**Proposals:** MVB 1011 Pre-Principle: Trumpet  
MVB 1012 Pre-Principle: French Horn  
MVB 1013 Pre-Principle: Trombone  
MVB 1014 Pre-Principle: Baritone Horn  
MVB 1015 Pre-Principle: Tuba  
MVK 1011 Pre-Principle: Piano  
MVK 1012 Pre-Principle: Harpsichord  
MVK 1013 Pre-Principle: Organ  
MVP 1011 Pre-Principle: Percussion  
MVS 1011 Pre-Principle: Violin  
MVS 1012 Pre-Principle: Viola

**MVS 1013 Pre-Principle: Cello**  
**MVS 1014 Pre-Principle: String Bass**  
**MVS 1015 Pre-Principle: Harp**  
**MVS 1016 Pre-Principle: Guitar**  
**MVV 1011 Pre-Principle: Voice**  
**MVW 1011 Pre-Principle: Flute**  
**MVW 1012 Pre-Principle: Oboe**  
**MVW 1013 Pre-Principle: Clarinet**  
**MVW 1014 Pre-Principle: Bassoon**  
**MVW 1015 Pre-Principle: Saxophone**

**Explanation:** Increasingly, FSW students (music majors or otherwise) attempt to study an instrument, but are not prepared to do so at the college freshman level. These new courses will essentially serve as a remedial course, providing "pre-principal" instruction that will allow students to then progress, participate, and thrive in our existing applied music courses. MVX 10XX courses are offered at institutions similar to FSW, such as Hillsborough Community College, Florida State College at Jacksonville, Broward College, MDC, SPC, VC, FGCU, & FSU. The catalog will list with a common course description. These courses will count as electives.

**Recommendation:** In a voice vote, the new courses were accepted. Applicable date is Fall 2015.

**Status:** *Approved DFW 5/6/15*

### **Action items #54 through #57**

**Proposals:** **MVK 1111 Class Piano I, ~~II~~**  
**MVK 1112 Class Piano II**  
**MVK 2121 Class Piano III, ~~IV~~**  
**MVK 2122 Class Piano IV**

**Explanation:** The proposals change the course titles and learning outcomes. Currently, Class Piano courses are listed as above. Creating four separate courses more accurately reflects the different degrees of skill mastery required by Class Piano. These changes also make course transfers more likely for students by aligning better with statewide practices and more clearly showing student advancement through the course progression.

**Recommendation:** In a voice vote, the changes were accepted. Applicable date is Fall 2015.

**Status:** *Dr. J. Wright Approved 5/6/15*

**Information item:** So as not to have to submit a modified Statement of Work and not have to nominate a different educational program, Dr. Wright approved two new courses—**DSC2590 Intelligence Analysis and Security Management** and **TRA 2010 Introduction to Transportation and Logistics**—for Spring 2015 without review from the Curriculum Committee.

Respectfully submitted,

Jennifer Grove  
Chair, Curriculum Committee