



CLUSTER MINUTES

March 24, 2016

1:50 – 3:00pm

BA 311

Lake Worth Campus

ITEM 1. How can your cluster support textbook affordability? Please provide your top three recommendations. Also, list initiatives underway such as open source textbooks, out of copyright materials, textbook rentals, etc.

Discussion: This item was discussed in the combined cluster meeting from 1:30pm to 1:40pm.

Data source:

Action: Options for textbook affordability were as follows: eTextbooks, textbook rentals, negotiating lower prices with book representatives, having students create their own textbooks from research and discussions, not going to the latest edition for a year unless there are significant changes, placing copies in the library on reserve or the SLC labs, or suggesting international editions. It was stated, however, that supplemental materials such as programs are not open source.

ITEM 2. Proposed New Linux College Credit Certificate

Discussion: Presented by Dr. Ali Fazelpour.

Course list:

CGS 1100 Microcomputer Applications

COP 1000 Introduction to Programming Logic

CNT 2000 Network Technologies

CTS 2301 Introduction to Linux

CTS XXXX Linux Administration.

Data/data source:

Dr. Fazelpour mentioned that three emerging trends that require more Linux professionals are: Cloud Computing/Virtualization, Security, and Software Defined Network (SDN). He also mentioned that according to the Job Linux

Report surveyed more than 1000 hiring managers, 90% stated that they hire Linux professional, 40% stated they hire Linux professionals with Open Stack and Cloud Stack experiences (Cloud Computing), and 25% stated they hire Linux professionals with Security and SDN experiences. Dr. Fazelpour indicated that new proposed CCC in Linux will be complementary to courses in existing CCCs in networking that addresses competencies in Microsoft networking. He also suggested that the name of the CTS 2301 course should be changed.

Action: All cluster members approved this new college credit certificate and the new name for the CTS 2301 course.

ITEM 3. Computer Science Internship Manual

Discussion: Presented by Professor Ray Colucci
Professor Colucci mentioned that in the summer semester students are not required to attend class, but they must submit reports on their work. The interns must find their own internship and must work at least 15 hours. Professor Colucci mentioned that CIO Anthony Parziale said that perhaps the college could hire interns in computer support. Professor Colucci requested that the other faculty promote this course in their classes, and he also stated that he would be willing to make a presentation to the students in these classes.

Data source:

Action: Professor Calabrese suggested that perhaps Modernizing Medicine could hire some interns. Another member suggested that the company which installed the Breaking Point box in the CyberSecurity Lab, ISSGlobal, could be tapped to hire interns. Dr. Rogers mentioned that there was a dedicated faculty member who arranged internships for students at one of the institutions where he used to work. Jose Ortiz mentioned that SFTA had monthly meetings where companies who might want to hire interns could be met.

ITEM 4. Proposed New Oracle Certified Database Developer College Credit Certificate (CCC-0511020308) (15 credits)

Discussion: Presented by Dr. Elizabeth I. Horvath

Course list:

CGS 1100 Microcomputer Applications
COP 1000 Introduction to Programming Logic
CTS 2445 Introduction to PL/SQL in Oracle
CTS 2446 Introduction to Oracle Database Programming
CTS 2447 Oracle Database 11g: Advanced PL/SQL

Dr. Horvath mentioned that the Executive Leadership Council (now the President's Cabinet) wanted a new Oracle program developed. The Oracle Certified Database Developer CCC is the first step. This CCC will feed into the revised Internet Services Technology AS degree. Professor Fazelpour asked if the CTS 2445 was the same class as COP 2700. If it is, he suggested changing the name of the COP 2700 course. Originally the proposed CCC was more focused on Database Administration, but Professor Amiruddin recommended that it was better to start with a Database Development CCC and to implement a Database Administration CCC later.

Data/data source:

Action: All cluster members approved this new college credit certificate and approved changing the course name from COP 2700 SQL Database Techniques to COP 2700 Introduction to PL/SQL in Oracle.

ITEM 5. Updated Web Development Specialist College Credit Certificate and Information Technology Administration College Credit Certificate

Discussion: Presented by Dr. Elizabeth I. Horvath.
Updating these CCCs may lead to a greater number of completers for the CCCs.

Information Technology Administration CCC
CGS1100 Microcomputer Applications
COP1000 Introduction to Programming Logic
COP 2831 Advanced Web Page Applications (XML and JavaScript)
CGS1800 Introduction to Web Site Development
COP2822 Web Site Design
CGS2801 Advanced Web Page Media

Web Development Specialist CCC – Contingent on approval of the Oracle Certified Database Developer CCC by the Curriculum Committee.

CGS 1100 Microcomputer Applications
COP 1000 Introduction to Programming Logic
COP 1220 Introduction to C Programming
CGS 1800 Introduction to Web Site Development
COP 2822 Web Site Design
CNT 2000 Network Technologies
COP 2831 Advanced Web Page Applications (XML and JavaScript)
CGS 2801 Advanced Web Page Media
COP 2840 Server-Side Programming
CTS 2301 UNIX Installation and Administration using Linux
COP 2700 Introduction to PL/SQL in Oracle
CTS 2446 Introduction to Oracle Database Programming

Data/data source: Revision of the Web Development Specialist CCC would be contingent on approval of the Oracle Certified Database Developer CCC by the Curriculum Committee. The revisions will place the focus more on programming and less on the networking aspects for web development.

Action: All cluster members approved the revisions of the two college credit certificates.

ITEM 6. Updated Internet Services Technologies AS degree

Discussion: Presented by Dr. Elizabeth I. Horvath.

Course list:

ENC1101	Any course from Social Science - Area V College Composition 1 (A.S. Students) Any course from Mathematics - Area III Any course from Humanities - Area II
SPC1017	Fundamentals of Speech Communication
HSC1101	Contemporary Issues in Health -or-
HSC2100	Health Concepts and Strategies
COP2840	Server-side Programming
CGS1100	Microcomputer Applications
COP1000	Introduction to Programming Logic
CGS1800	Introduction to Web Site Development
COP1220	Introduction to Programming in C
CNT2000	Network Technologies
CIS2321	Systems and Applications
COP2822	Web Site Design
CGS2801	Advanced Web Page Media
COP2831	Advanced Web Page Applications (XML and JavaScript)
CTS 2301	UNIX Installation and Administration using Linux
CTS 2445	Introduction to PL/SQL in Oracle
CTS 2446	Introduction to Oracle Database Programming
CTS 2447	Oracle Database 11g: Advanced PL/SQL
Business/Computer/Art Electives - 6 Credits Required	
Credits: 6	

Data/data source: Revision of the Internet Services Technology AS degree would be contingent on approval of the Oracle Certified Database Developer CCC by the Curriculum Committee. The revisions will place the focus more on programming and less on the networking aspects for web development and also allow the completers of the Oracle Certified Database Developer College Credit Certificate to continue on to an AS degree.

Action: All cluster members approved the revision to the Internet Services Technology AS degree.

ITEM 7. COP 2660 Android Programming new edition

Discussion: The new edition uses the Android Development Studio, rather than Eclipse which is no longer going to support Android. The new textbook is Android How to Program (3rd Edition) 3rd Edition by Paul Deitel (Author), Harvey M Deitel (Author) ISBN-13: 978-0134444307, ISBN-10: 0134444302.

Data/data source:

Action: All cluster members approved the new edition of the textbook.

ITEM 8. COP 1000 Introduction to Programming Logic new edition

Discussion: The Computer Science cluster members did not think that the content in the fourth edition was sufficiently updated to justify using the new edition of the textbook.

Data/data source:
Starting Out with Programming Logic and Design (4th Edition) by Tony Gaddis, ISBN-13: 978-0133985078, ISBN-10: 0133985075

Action: All cluster members disapproved of moving to the new edition of the textbook.

ITEM 9. COP 1332 Visual Basic Programming new edition

Discussion:

Dr. Horvath mentioned that the new edition was revised and fully updated throughout for Visual Basic 2015. The new textbook is Starting Out With Visual Basic, 7/E, Tony Gaddis, Haywood Community College Kip R. Irvine, Florida International University ISBN-10: 0134400151 • ISBN-13: 9780134400150©2017 • Pearson Professor Calabrese also stated that he searched online to see which the most popular programming languages were. He listed Java, C, C#, PHP. Python, and Visual Basic.

Data/data source:

Action: All cluster members approved the new edition of the textbook.

ITEM 10. Moving to Office 2016 and selection of textbook for adjunct faculty.

Discussion: The Computer Science Cluster members were presented with three publishers' textbooks for the Office 2016. The cluster members discussed how important it was to have a course management system which was integrated with Blackboard. SAM from Cengage, MyITLab from Prentice-Hall, and SIMNET from McGraw-Hill were all integrated with Blackboard. Dr. Horvath emailed the mapping of

the MOS (Microsoft Office Specialist) competencies to SIMNet for Office 2013. The Office 2016 Go! text from Prentice Hall had a listing of the mapping of the MOS (Microsoft Office Specialist) competencies; students who earn above 90% in the MyITLab are eligible for 50% off of the price for the MOS certification exams. The majority of the cluster members who used Cengage and SAM were satisfied with the material in the Office 2016 textbook or eBook and SAM and the support for SAM which they received from Cengage.

Data/data source:

Action: Six approved the Office 2016 Cengage text, two voted for the Office 2016 Go! Prentice Hall text, and two abstained.

ITEM 11. New class Python with Raspberry Pi

Discussion: Dr. Elizabeth I. Horvath will present this new course in which students will learn Python and make Raspberry Pi projects listed on the website <https://www.raspberrypi.org/resources/make/>. Dr. Horvath mentioned that there are many projects, including sensor and robotic projects, which the students could build with the inexpensive Raspberry Pi (\$35.00) and additional Raspberry Pi modules. Professor Calabrese said that Dr. Ventura has the students purchase Raspberry Pi for one of his classes. Dr. Fazelpour recommended that only CGS 1100 Microcomputer Applications be a pre-requisite, since this would bring students into the class who may not be computer science majors.

Data/data source:

Action: Nine of the cluster members approved the new course. One member abstained.

ITEM 12. Change the pre-requisite for COP 2664 – iOS Programming

Discussion: Dr. Elizabeth I. Horvath will present. Dr. Horvath recommended adding additional pre-requisites to the iOS programming course- COP 1220 Introduction to C Programming, COP 2334 C++ Programming, and COP 2800 Java Programming- since the Swift language has similar syntax to these languages. Professor Calabrese said Swift was an easier language to code than Objective C, but that the students needed to have completed a course which covered an object-oriented language. He said that COP 2654 Objective-C Programming, COP 2334 C++ Programming, or COP 2800 Java Programming should be the pre-requisites. The cluster members also said that a more descriptive name would bring more students into the class. A name change to iOS App Programming was suggested. Also, the description would be changed to “This course is an introduction to software development for the iOS platform. Students will become familiar with the Swift programming language used for design patterns and programming to carry out development of apps for iPhone, iPod Touch, and iPad.”

Data/data source:

Action: Eight cluster members approved the new name, pre-requisites, and description. One member abstained and one member had to leave the meeting.

OTHER.

Attendance:

Ali Fazelpour
Gary Rogers

Uzma Amiruddin
Elizabeth I. Horvath
Jose Ortiz

Anthony Calabrese
Tommy Martin
Mary Vitrano

Ray Colucci
Jeannine Murcia
Dana Hamadeh

Submitted by:

Elizabeth I. Horvath, PhD

Scribe

c. Minutes Distribution List