



**COMPUTER SCIENCE CLUSTER**

**Agenda**

**October 19, 2016**

**1:40pm-3:00pm**

**BA 208**

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ITEM 1. Curriculum Framework 1511010305 Computer Information Technology has changed from 63 credits to 1511010307 with 60 credits.

Discussion: Kathy Gamble emailed me that the Computer Programming AS degree needs to be reduced to 60 credits. Would you approve changing the number of Business/Computers elective credits from nine to six?

Data/data source: (where appropriate)

Action: All cluster members approved this action.

ITEM 2. Curriculum Framework 1511090103 Network Systems Technology has changed from 63 credits to 1511100112 60 credits.

Discussion: Kathy Gamble emailed me that the Network Administrator AS degree needs to be reduced to 60 credits. Would you approve changing the number of Business/Computers elective credits from 12 to 9?

Data/data source: (where appropriate)

Action: All cluster members approved this action.

ITEM 3. Curriculum Framework for the Internet Services AS will be changing to 60 credits.

Discussion: Kathy Gamble emailed me that the Internet Services AS degree needs to be reduced to 60 credits. Would you approve changing the number of Business/Computers elective credits from three to none?

Data/data source: (where appropriate)

Action: All cluster members approved this action.

ITEM 4. Adding Programming Language Electives

Discussion: Add the following classes to the new programming courses, which were recently added to the curriculum as Programming Languages electives for the Programming (CCC 6137) College Credit Certificate and for the Computer Programming (AS 2126) degree.

CTS2446 Introduction to Oracle Database Programming (AS)

CTS2447 Oracle Database Advanced PL-SQL (AS)

COP1030 Python with Raspberry Pi (AA)

COP2657 Cross Platform Mobile App Development (AA)

COP2664 iOS App Programming (AA)

Data/data source: (where appropriate)

Action: All cluster members approved this action.

ITEM 5. New textbook for CGS 1800 Introduction to Web Site Development

Discussion: Updated material for the class to the newest edition.

E-Commerce 2016: Business, Technology, and Society (Subscription), 12th Edition

Laudon & Traver ©2017

ISBN-13: 9780134026213

Data/data source: (where appropriate)

Action: All cluster members approved this action.

ITEM 6. New textbook for COP2700 SQL Database Techniques

Discussion: Update the textbook for the class, since Oracle will be used instead of MySQL

Murach's Oracle SQL and PL/SQL for Developers (2nd Edition)

by Joel Murach

18 chapters, 648 pages, 272 illustrations

Published October 2014

ISBN 978-1-890774-80-6

Data/data source: (where appropriate)

Action: All cluster members approved this action.

ITEM 7. New textbooks for COP 2664 Android Programming

Murach's Android Programming (2nd Edition)

by Joel Murach

Published December 2015

ISBN 978-1-890774-93-6

Android Studio Development Essentials - Android 7 Edition: Learn to Develop Android 7 Apps with Android Studio 2.2

by Neil Smyth Author

Publisher: CreateSpace Independent Publishing Platform; 1 edition

Published July 25, 2016

ISBN-10: 1535425334

ISBN-13: 978-1535425339

Data/data source: (where appropriate)

Action: All cluster members approved this action.

ITEM 8. Compare CGS 1100 Microcomputer Applications to FAUs CGS 1570 Computer Applications 1  
<http://www.ceecs.fau.edu/undergraduate/syllabi-ce-cs/cgs1570computer-apps1.pdf>.

Data/data source: (where appropriate)

Both courses cover Microsoft Office; Palm Beach State College uses Microsoft Office 2016, Florida Atlantic University uses Office 2010. Please see the course descriptions and learning outcomes for each course. The skills provided by this course which are specific to Computer Science: Microsoft Excel since students learn how to write equations and it is used in the Cisco classes and Microsoft Access since it is important for students who are going to work with databases to know how to create tables and run queries.

CGS1100 Microcomputer Applications (AA) - Palm Beach State College

Course Description: This course will enable students to utilize common microcomputer hardware and software typically used in the workplace. Practical hands-on assignments in the areas of word processing, spreadsheet, database, and presentation graphics, as they apply to the workplace, will be explored in the course

Course Learning Outcomes:

Explain the principal components of a computer and their use.

Perform various functions such as move, copy, rename, and delete files and folders.

Use search engines to locate information, copy and paste the information and source into a document file.

Utilize word processing software to create, edit, format, save, and print a variety of documents.

Utilize a spreadsheet program to create, edit, format, save, and print a spreadsheet. Spreadsheets will provide business solutions incorporating the use of formulas and functions, absolute and relative cell references, graphs and charts using data in a spreadsheet.

Utilize a database software program to create and edit tables, manage data records, set up queries to locate information; utilize statistical functions and calculated fields, and sort and select records to create a report file.

Utilize presentation software to create, modify, and enhance a presentation with text, clip art, pictures and charts.

Integrate information from multiple programs and export tables and data to other software applications.

Methods of Assessment:

- Objective Tests
- Projects
- Studio/Lab Performance

CGS 1570 CGS 1570 Computer Applications 1 (Florida Atlantic University)

Catalog description: A distance learning course for non-business, non-engineering and non-computer science majors that covers technology concepts and mastering the use of important computer applications, including word processing, spreadsheets, presentation and database applications.

Microsoft Office 2010 is used for the CGS 1570 Computer Applications 1 class.

Specific goals for the course:

- Understand the underlying functionality of different types of computer applications, and examples of the computer as a useful tool.
- Understand when and how to use word processing computer applications to an intermediate level to create common business and personal documents.
- Understand when and how to use spreadsheet computer applications to an intermediate level to organize and calculate accounting-type information.
- Understand when and how to use presentation computer applications to an intermediate level to organize large amounts of information in a useful manner to develop slides to accompany an oral presentation.
- Understand when and how to use database computer applications to an intermediate level to organize large amounts of information in a useful manner.

Master how to integrate word processing, spreadsheet, presentation, and database computer applications to generate complex documents, presentations and reports.

Two options are available that were approved by the CIS cluster on March 24, 2009

([http://www.palmbeachstate.edu/academicservices/documents/Academic\\_Services\\_Minutes/CIS032409.pdf](http://www.palmbeachstate.edu/academicservices/documents/Academic_Services_Minutes/CIS032409.pdf)) to any student who has currently mastered Microsoft Office 2016 in order to receive credit for CGS 1100 Microcomputer Applications:

- a) Complete the CIS Cluster approved CGS 1100 Microcomputer Applications Challenge Exam that is proctored by Professor Tommy Martin ([http://www.palmbeachstate.edu/pf/UserCtl/DocHandler.aspx?misc\\_id=5274](http://www.palmbeachstate.edu/pf/UserCtl/DocHandler.aspx?misc_id=5274)). The Challenge Exam is a comprehensive, computerized exam via SAM 2016 whereby a student must complete the 150 task-based questions equally weighted for Word 2016, Excel 2016, Access 2016, and PowerPoint 2016 in a total of 2.5 hours. A student must earn 80% or higher to pass the exam.  
\*Note: The CGS 1100 Microcomputer Applications Challenge Exam has been in operation since 2009 via the Palm Beach State College Testing Center. In 2012, Palm Beach State College's Lake Worth CIS Department started proctoring the exam.

- b) Complete the MOS Specialist Level Certifications for Word, Excel, and PowerPoint before August 1, 2017 or complete MOS Specialist Level Certifications for Word 2016, Excel 2016, Access 2016, and PowerPoint 2016 after August 1, 2017. This is part of the Career Pathway agreement with the Palm Beach County school district.

Action:

Other:

ITEM 9. Discussion of COP 1000 Introduction to Programming Logic.

Data/data source: (where appropriate)

Professor Virginia C Carneiro De Paula explained that a few of her students who completed COP 1000 Introduction to Programming Logic had the same skill set. She discussed the concepts in which her students in her COP 2831 Advanced Web Application class did not all have the same background.

Action: A subcommittee of the professors who teach COP 1000 will work on a common set of programming projects which should be completed in class. The professor will decide which programming language Python, C, C++, Visual Basic, JavaScript, etc. will be used.

Other:

**OTHER.**

**Attendance:**

Uzma Amiruddin	Virginia C Carneiro De Paula	Sofia Gill	Hadley, John
Ali Fazelpour	Elizabeth I. Horvath	Harold Kline	Tommy Martin
Jeannine Murcia	Scott F. Berthiaume	Dana Hamadeh	Jose Ortiz

Submitted by:

Elizabeth I. Horvath, PhD

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Scribe

c. Minutes Distribution List