October 24, 2018

TO: THE DISTRICT BOARD OF TRUSTEES
                OF VALENCIA COLLEGE

FROM: SANFORD C. SHUGART
                President

RE: ADDITIONS, DELETIONS OR MODIFICATIONS OF COURSES & PROGRAMS

RECOMMENDED ACTION:

The President recommends that the District Board of Trustees of Valencia College approve the Additions, Deletions or Modifications of Courses and Programs as presented.

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President

COLLEGE CURRICULUM COMMITTEE
June 13, 2018

Minutes

Members Present: Joan Alexander, Beverly Bond, Sandra Bowling, Ana Caldero Figueroa, Amy Comerford, Esther Coombs, Daniel Diehl, Yolanda Gonzalez, Lisa Lippitt, Adrienne Mathews, John Niss, Julia Ribley, Cheryl Robinson, Regina Seguin, Ravi Varma

Alternates Present: Nardia Cumberbatch, Jerry Reed

Ex-Officio Present: Daniel Barkowitz, Pedro Gonzalez, Nasser Hedayat, Linda Herlocker, Ed Holmes, Darnell Purcell, Pat Sebastian

Visitors Present: Dave Brunick,

Staff Present: Krissy Brissett (Recording), Glenn Ricci

1. **Welcome to Committee Members and Visitors**

   Karen Borglum opened the meeting with a welcome.

2. **Review of Minutes May 9, 2018**
   (http://valenciacollege.edu/curriculumcommittee/Minutes.cfm)

   The minutes were approved by consensus.

3. **Consent Agenda** – Course modifications or deletions involving minor editing of course descriptions or level changes which do not impact other departments are eligible for placement on the consent agenda. Any members of the committee may request to remove a proposal from the consent agenda for the purpose of discussion.

   a) **The following course(s) have outlines in Course Information Management that may be viewed in ATLAS:**

      CEN 3024C, CEN 4025C, CEN 4333C, CEN 4350C, CEN 4360C, CEN 4370C, CEN 4390, CEN 4802C, CEN 4910C
      COP 3330C
      ETI 4448C

   b) The following outlines are being presented as part of the Two-Year Program Review Cycle:

CHM 1020, CHM 2210C
MAN 2021

c) **Lab Fees:**

Various Courses Lab Fee Reversions, CCM………………………………………….Karen Borglum
Purpose: To return required lab fees to their previous amounts; *Effective date*: Fall 2018 (201910).

The consent agenda was approved by consensus.

4. **Regular Agenda**

1718-238   CEN 3024C   Software Development I, CCA……………….Lisa Macon
Purpose: This is a required course in the proposed Bachelor of Applied Science in Software Development and Applied Computing; *Credit/Contact/Lab:* 3/3/1; *Prerequisites:* Minimum grade of C in either COP 3330C or COP 2805C; *Co-requisites:* None; *Catalog Course Description:* Software development concepts are introduced in the context of hands-on project implementation. SDLC, version control, design with UML, documentation, testing, 2&3-tier architecture; *Effective Date:* Fall 2019 (202010).

Jerry Reed explained that many of their AS students were transferring to UCF to complete their Software degree. UCF decided to discontinue their BAS degrees and with 1200 students enrolled they saw a gap where Valencia's students could benefit. He explained that they were inspired by the late Colin Archibald who was motivated to see a program like this go forward at Valencia. Karen wondered why the prerequisites were either COP 3330C or COP 2805C since students have to take COP 3330C. Nasser and others thought it was that they would be able to give a substitution if students come in with the 2805C course. Julia wondered if they could make the courses an either/or listing in the program. Karen agrees, but she wasn't sure if they had to meet a minimum amount of 3000 or 4000 level courses. Nasser believes that they will have to do some more clean-up of the program and bring it forward with additional changes before the program start date.

Proposal 1718-238 was approved by consensus.

1718-239   CEN 4025C   Software Development II, CCA……………….Lisa Macon
Purpose: This is a required course in the proposed Bachelor of Applied Science in Software Development and Applied Computing; *Credit/Contact/Lab:* 3/3/1; *Prerequisites:* Minimum grade of C in CEN 3024C; *Co-requisites:* None; *Catalog Course Description:* A continuation of Software Development I with larger and more complex projects. Enterprise-level applications are covered including distributed, and web-based systems using n-tier architecture; *Effective Date:* Fall 2019 (202010).

The prerequisite was changed to: Minimum grade of C in CEN 3024C

Proposal 1718-239 was approved with the above change.

1718-240   CEN 4333C   Advanced Database Development, CCA…..Lisa Macon
Purpose: This is a required course in the proposed Bachelor of Applied Science in Software Development and Applied Computing; ***Credit/Contact/Lab:*** 3/3/1; ***Prerequisites:*** Minimum grade of C in CGS 2545; ***Co-requisites:*** None; ***Catalog Course Description:*** Professional-level database access from object-oriented systems, including complex SQL queries and stored procedures. Use of object-relational frameworks. Use of NOSQL databases and Hands-on exercises with current RDBMS software; ***Effective Date:*** Fall 2019 (202010).

This course is a continuation of CGS 2545 and there was a discussion regarding the removal of the course as a prerequisite. It was decided that it would be approved with the understanding that they will discuss it and bring the course back later if they want to keep it as a prerequisite.

The prerequisite was changed to: None

Proposal 1718-240 was approved with the above change.

1718-241   CEN 4350C   Open Source Web Technologies, CCA………..Lisa Macon
Purpose: Elective course in the proposed Bachelor of Applied Science in Software Development and Applied Computing; ***Credit/Contact/Lab:*** 3/3/1; ***Prerequisites:*** Minimum grade of C in either COP 2805C or COP 3330C; ***Co-requisites:*** None; ***Catalog Course Description:*** Web application development using currently popular open-source/open-standard tool. User-interface, the business layer, database, and deploying to the web-server. Students will install and configure the web server, using the current version of the Apache, running on a Linux machine. A significant part of this course will be learning PHP, MySQL, and JavaScript (Open Standard). Students will survey other open source tools including Drupal, Mambo, Typo3, Ruby on Rails, and if there is time and interest, Movable Type, WordPress, and TextPattern. Some specific types of websites will be explored, including Ecommerce sites, and sites that specialize in training; ***Effective Date:*** Fall 2019 (202010).

John Niss advised against being very specific rather than more general so they do not have to bring the course back later on. Cheryl Robinson was concerned about the statement regarding time and interest. It was agreed that it would be removed.

Proposal 1718-241 was approved by consensus.

1718-242   CEN 4360C   Mobile Device Software Dev., CCA…………..Lisa Macon

Purpose: Elective course in the proposed Bachelor of Applied Science in Software Development and Applied Computing; *Credit/Contact/Lab:* 3/3/1; *Prerequisites:* COP 2805C or COP 3330C; *Co-requisites:* None; *Catalog Course Description:* Concepts and practice of software development for mobile devices. User Interface, data persistence, data communication, use of API's for sound, mapping, GPS, sensors, etc. This is a professional-level course. Students are expected to demonstrate use of several SDKs, build and deploy an application that is of significant scope. Monetizing applications is also discussed. An Android/iOS device is not required for this class, but students are encouraged to create and test applications on actual hardware; *Effective Date:* Fall 2019 (202010).

Regina Seguin wondered what would happen if a student did not have a device as listed in the course description. The faculty members explained that they have tablets in the classroom for the students to practice. There was a discussion about the wording in the course description as the sentences in the description seem to be fragments.

The prerequisite was changed to: Minimum grade of C in COP 2805C or COP 3330C

Proposal 1718-242 was approved with the above change.

1718-243   CEN 4370C   .NET Software Development using C#, CCA…..L. Macon
Purpose: Elective course in the proposed Bachelor of Applied Science in Software Development and Applied Computing; *Credit/Contact/Lab:* 3/3/1; *Prerequisites:* Minimum grade of C in COP 3330C; *Co-requisites:* None; *Catalog Course Description:* .NET Windows and Web application development. Use of the .NET Framework class library. N-tier architecture. User interface, collections, database connectivity, and deployment; *Effective Date:* Fall 2019 (202010).

Ravi wondered why they only listed COP 3330C as a prerequisite and not the 2805 course as well. Nasser believes it should be added and Jerry will discuss it with the other faculty.

The prerequisite was changed to: Minimum grade of C in COP 3330C or COP 2805C

Proposal 1718-243 was approved with the above change.

1718-244   CEN 4930C   Seminar in Advanced Software Dev., CCA…..L. Macon
Purpose: Required advanced course for proposed BAS in Software Development and Applied Computing; *Credit/Contact/Lab:* 3/3/1; *Prerequisites:* Minimum grade of C in CEN 4025C; *Co-requisites:* None; *Catalog Course Description:* This course is focused on topics of current interest or of special interest to students or instructors. Topics or focus may vary from semester to semester; *Effective Date:* Fall 2019 (202010).

Karen wondered why they wanted this number as the course sounds like a Special Topics course based on the description. The course was approved as CEN 4930C by the SCNS. Committee members were concerned as courses with a 930 number can only be taught for two semesters before they have to request a permanent number. That does not seem to be the intention for this course and they will work on a different description and outcomes so that a new number can be requested. The curriculum office will request 4390C once those changes are submitted and request a new century from the SCNS.

Proposal 1718-244 tentatively approved.

1718-245   CEN 4802C   Software Integration, Configuration, and Testing, CCA
……………………………Lisa Macon
Purpose: Required course for proposed BAS in Software Development and Applied Computing; ***Credit/Contact/Lab:*** 3/3/1; ***Prerequisites:*** Minimum grade of C in CEN 3024C; ***Co-requisites:*** None; ***Catalog Course Description:*** Addresses approaches and issues associated with integration of software subsystems and components into one system to ensure that the subsystems function together; ***Effective Date:*** Fall 2019 (202010).

The prerequisite was changed to: Minimum grade of C in CEN 3024C

Proposal 1718-245 was approved with the above change.

1718-246   CEN 4910C   Software Dev. Project, CCA………………………Lisa Macon
Purpose: In support of new BAS in Software Development; ***Credit/Contact/Lab:*** 3/3/1; ***Prerequisites:*** Minimum grades of C in CEN 4025C and CEN 4802C; ***Co-requisites:*** None; ***Catalog Course Description:*** A software development project using the skills acquired from Software Development I & II. Working in teams, students develop a software system, simulating an industry experience; ***Effective Date:*** Fall 2019 (202010).

The prerequisite was changed to: Minimum grades of C in CEN 4025C and CEN 4802C

Proposal 1718-246 was approved with the above change.

1718-247   COP 3330C   Object Oriented Programming, CCA…………Lisa Macon
Purpose: Required course in proposed Bachelor of Applied Science in Software Development program; ***Credit/Contact/Lab:*** 3/3/1; ***Prerequisites:*** Minimum grade of C in COP 1000C or department approval; ***Co-requisites:*** None; ***Catalog Course Description:*** A hands-on course in object-oriented programming for students who have completed a course in programming concepts or have some other programming experience. Students will create object-oriented applications with an emphasis on correct object-oriented programming techniques and will become familiar with object-oriented design, including the creation of classes and methods and the use of existing classes and methods, Graphical User Interface, file input/output, collections, multi-

threaded applications, and database connectivity, and object-oriented design and analysis using the Unified Modeling Language (UML); ***Effective Date:*** Fall 2019 (202010).

Karen wondered if this course would be considered a hidden prerequisite as anything not listed in the program may not be eligible for financial aid. Daniel Barkowitz stated that anything listed as a prerequisite would be covered.

Proposal 1718-247 was approved by consensus.

1718-248   ETI 4448C   Applied Project Management, CCA…………Lisa Macon
Purpose: Required course in proposed Bachelor of Applied Science in Software Development program; ***Credit/Contact/Lab:*** 3/3/1; ***Prerequisites:*** None; ***Co-requisites:*** None; ***Catalog Course Description:*** Statement of work, activity decisions, timelines, scheduling, and resource allocation methods. Techniques will be appropriate for large and small projects within commercial, academic, or non-profit organization; ***Effective Date:*** Fall 2019 (202010).

Nasser wondered if the Curriculum office could request a CEN prefix for this course. The Curriculum office will request that change.

The prerequisite was changed to: Admission to the B.A.S. Software Development program.

Proposal 1718-248 was approved with the above changes.

1718-249   BAS: Software Development, CPA...Lisa Macon
Purpose: The proposed BAS in SD was approved for development by Valencia's Board of Trustees in April 2018. The program is proposed to address the need for software development and software engineering professionals in Central Florida; ***Effective Date:*** Fall 2019 (202010).

Karen explained that she identified where they listed their general education requirements, but didn't identify any specific general education courses. There was a discussion regarding if students with an AS degree would be double dipping. Karen thinks they left it generic to be flexible for students coming in with an AS and would need additional general education courses even though they may already have 60 hours.

Pat explained that they can only program the highest amount of credits that are required. There is no way for them to separate the programming for students that had a course prior versus students that haven't taken a course as yet.

Nasser stated that originally the BAS and AS to BS degrees were intended to give AS students a pathway. Currently, it does not matter what degree you have as the state

says that as long as you have a 60 hour degree you have to be admitted into the bachelor program.

Karen explained that the larger question they are left with is can they get the 18 hours of general education be a part of the program as a graduation requirement or will they be admission requirements.

Daniel stated that if it's an admission requirement then financial aid will not cover it. Julia Ribley stated that if you add it into the program then the program will be more than 120 hours.

Karen stated that maybe they need to note the general education requirement on the overview tab. Also, they need to specifically list the courses required for students coming in with an AS versus an AA. There was a discussion about whether to separate the AS from the AA requirements like they did for the new Business degree. There was a discussion about the number of upper level credits that will be in the program and the big question that was left was how are those 18 hours going to be filled for AA students.

Karen thinks they can approve the program and come back later with more clarity on what the AS pathway looks like vs the AA pathway. She will redo the overview page and work with Daniel and Linda to ensure that Financial Aid will cover the program.

Proposal 1718-249 was approved by consensus.

1718-250   A.S. Business Administration, CPM…………………………………Nasser Hedayat
Purpose: To better advise students; ***Effective Date:*** Fall 2018 (201910).

Nasser explained that students completing the AS to BS track are routinely not being admitted and UCF has openly admitted to that. The faculty are now recommending removing the track to UCF that since we now have a business degree.

The effective date was changed to: Fall 2019 (202010)

Proposal 1718-250 was approved with the above change.

1718-251   Course Substitutions: Foreign Language, CCM………………Karen Borglum
Purpose: Modify course listing; ***Effective Date:*** Fall 2018 (201910).

Cheryl pointed out that some of the course titles have changed and it was decided that HUM 2403, Middle Eastern Humanities and HUM 2454, African American Humanities be added to the list. Julia requested that ASL 2510 Deaf Culture also be included.

Proposal 1718-251 was approved with the above changes.

1718-252   Course Substitutions: Mathematics, CCM………………………Karen Borglum
Purpose: Modify course listing; *Effective Date:* Fall 2018 (201910).

Proposal 1718-252 was approved by consensus.

5. **Discussion Items**

   There are no Discussion Items for this month's agenda.

6. **Information Items**

   - **A.S. in Drafting and Design Tech, Drafting-AutoCAD TC, Drafting TC:** Replaced deleted courses: ETD 1320C and ETD 1100C with new courses ETD 1103C and BCN 1303C. The prerequisites for ETD 1701C and ETD 2614C were changed to reflect the new courses.

   - **CUD-A Codes:**

     COM 2942 11806 Communications - AP
     EET 1084C 12601 Industrial - PSV
     ETI 1110, ETI 1420, ETI 1622, ETI 1644, ETI 1701 12601 Industrial - PSV
     ETM 1010C, ETM 2315C 12601 Industrial - PSV
     ETS 2531C, ETS 2535 12601 Industrial - PSV
     REL 1200 11849 Interdisciplinary - AP

The next meeting of the College Curriculum Committee is scheduled for July 11, 2018, and will be held on the West Campus. *Deadline for submission of materials for the agenda is* ***June 27, 2018****.*