

**EL CAMINO COLLEGE MATHEMATICAL SCIENCES
COMPUTER SCIENCE DEPARTMENT MEETING**

September 22, 2016

Present: Dave Akins, Edwin Ambrosio, Carl Broderick, Susanne Bucher, Kim Davis, Greg Fry, Massoud Ghyam, Arturo Hernandez, Anna Hockman, Solomon Russell, Jacquelyn Sims, Satish Singhal

CURRICULUM UPDATES (A. Hockman)

All CS courses were up for review to meet CTE review.

CS 40 passed CCC last week. CS 30 will be presented at the next CCC meeting.

Program Review begins next year.

E. Ambrosio will lead the development of CS 45 Android Programming.

Most of the CS classes are on a 2-year cycle. CS 1 and CS 2 are on 6-year cycle.

S. Russell input his proposed BJC course on CurricUNET. From there, the course will go to consultation.

The deadline is the end of October for any new courses. Dean J. Sims will work with E. Ambrosio and S. Russell on a timeline to ensure that Android Programming and BJC meet this deadline.

SLOS AND PLOS (S. Bucher)

S. Bucher will work with M. Ghyam on updating the last missing SLO report for spring 2016

The CS Department did not have a PLO for spring 2016. During fall 2016 the CS Department will be assessing PLO 3. CS 1, 2, 3 and 16 are assessing SLO 3. CS 12 is assessing SLO 1.

S. Bucher requested that the assessment questions for CS 1, 2 and 12 be sent to her by 9/23/16.

S. Bucher also encouraged instructors to provide an analysis of their data when completing SLO reports (i.e. what does the data mean, etc.). The analysis should also be written in a way that a person without a CS background can understand.

HIRING PRIORITIZATION FORMS

Hiring prioritization is a process to inform the campus of our need for full-time instructors. Last year, the Division requested two new full-time CS faculty and we received one. Our full-time to part-time ratio provides a strong argument for our need for more full-time CS instructors. Dean J. Sims will input the numerical data, but will need assistance on updating the narrative. She requested that all CS faculty review the narrative and send revisions to Dean J. Sims by 9/30/16.

C-ID VETTING FOR CS TRANSFER MODEL CURRICULUM

The CS Department does not want to change our current curriculum format because it may effect existing curriculum articulation. The lab component also helps to differentiate the CS program.

AP EXAM CS CREDIT CHANGE FROM CS 1(C++) TO CS 3 (JAVA)

It was recently discovered that the Division has been giving credit for CS 1 for high school students that passed the AP Computer Science exam with a 4 or 5. The AP exam is on Java so students should be receiving credit for CS 3 instead.

The curriculum advisor will make this change.

CTEA

Converting a classroom to a lab is not an option, as we would lose space to hold classes. Dean J. Sims recommended that the CS Department apply for two laptop carts on the 2017-18 CTEA application.

Dean J. Sims will create a timeline to keep instructors on track to submit the application by the deadline.

It was also recommended to request an upgrade in all of the laptop labs (MBA 120, 220 and 320) on the Program Plans.

CS 12 BEING 100% ONLINE

M. Ghyam discussed converting CS 12 from a hybrid course to fully online. For the last three semesters, many students have been dropping the course once they find out the class is hybrid and not fully online. Curriculum for this course should allow for flexibility.

M. Ghyam requested that the department experiment with having the course meet fully online. Dean J. Sims agreed but will compare student success rates between hybrid or 100% online.

CS 12 has been cancelled for spring 2017 due to low enrollment in the past few semesters.

E. Ambrosio recommended implementing a web cam/skype component if this class does meet full online. There is a lot of knowledge to be gained by face-to-face interaction

M. Ghyam will begin the process of converting the class to fully online.

BJC

S. Russell discussed a new course, Beauty and Joy of Computing (BJC), which is similar to CS 10 at UC Berkeley. BJC would address the big ideas including programming and the internet. The course would be extremely beneficial to students who have no idea about CS.

AP CS Principles is a course that College Board designed to increase CS interest at the high school and college level.

The CS 10 course at Berkeley has increased female enrollment.

S. Russell recently facilitated a Beauty and Joy of Computing AP Computer Science Principles Professional Development conference for high school teachers.

ACM CHAPTER

ACM Chapter at ECC is applying for ASO funding for a programming contest.

ACM will also attend Progfest at CSULA.