

**EL CAMINO COLLEGE MATHEMATICAL SCIENCES
DIVISION CURRICULUM COMMITTEE**

Thursday, September 24, 2019

Present: Edwin Ambrosio, Sue Bickford, Carl Broderick, Diaa Eldanaf, Greg Fry, Milan Georgevich, Arturo Hernandez, Marlow Lemons, Matthew Mata, Pavan Nagpal, Jacquelyn Sims

Minutes approved from September 5, 2019.

Sue Bickford Approved the minutes. Greg Fry 2nd the motion. All in favor. Abstain, Edwin Ambrosio.

Courses in Ballot

Deadline was September 23rd, 2019.

1. Math 12
2. Math 60
3. Math 33
4. CS3
5. CS14
6. CS16
7. ENGR. 11 & 12
8. ENGR. 17
9. Math 120/120S

No changes were made to Math 12. Dean J. Sims mentioned that the Chancellor's office is now requiring that number of units and study time need to be adjusted. Committee D has agreed not to make such changes due to their interpretation of being in Compliance with Title 5. Dean J. Sims explained that it may not pass the CCC and wanted everyone to be aware of it.

Math 230/ 240

It was mentioned that Janet Young has discussed these courses with Dr. Jean Shankweiler. They both would like to know the C-ID comparisons of both courses. Greg Fry will forward the comparisons to Dean J. Sims. So far it is looking good but there are some concerns regarding these courses.

- Which majors will be impacted
- Will there be an agreement with having one or both courses
- The number of units

Computer Science courses

The Computer Science courses below will be voted on today, September 24, 2019.

These are the only courses for today for CCC.

1. CSCI 1 Problem Solving and Program Design Using C++ 35 DE Addendum.
2. CSCI 2 Introduction to Data Structures 36 DE Addendum
3. CSCI 30 Advanced Programming in C++ 37 DE Addendum MATH
4. CSCI 40 Introduction to UNIX and LINUX Operating Systems

Data Science

R. Solomon has met with Lavonne Plum and Alice Martinez to discuss the progress of the Data Science course. Alice Martinez has been involved in the creation of the course. There has been some recommendations on what can be added. R. Solomon is continuously working on the course and will send out the department for consultation. It was recommend for this course to be added to the Certificate of Achievement.

This Data Science course which is offered at the University of Berkley does not have a pre-requisite. R. Solomon mentioned that maybe there should be a companion class attached to this course. R. Solomon also mentioned that this course is now Berkley's largest course in there campus. He spoke to some students that had taken the course and they mentioned that they had liked to have taken a Statistic course prior to taking the Data Science. It was explained that the Data Science course is not either a Math or a Computer Science, it is a combination of both.

It was explained that the process for curriculum approval at the Chancellor's office has changed and it may be a 2 year process for this course to be implemented. It should also be offered as an elective and be listed under Quantitative Reasoning. There are instructors who interested in teaching the course.