

El Camino College
Mathematical Sciences Division

DCC Meeting
Tuesday, May 15, 2018
1:00pm-2:00pm
MBA 118

1. Possible Voting on Math 210
2. Update on Math 12, 23, & 73 review plan for fall 2018.
3. Data mining course

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

May 15, 2018

Present: Edwin Ambrosio, Sue Bickford, Carl Broderick, Diaa Eldanaf, Greg Fry, Milan Georgevich, Anna Hockman, Ken Key, Matthew Mata, Jacquelyn Sims, Linda Ternes, Susan Taylor

Math 210

CMI proposed that Math 210 be changed from 4 units to 5 units. Greg Fry is currently working with Dean Jacquelyn Sims and Vice President, Dr. Shankweiler to get this approved.

Internal voting for Math 210

Motion to approve by Milan Georgevich, Matthew Mata Second it. The majority of the DCC voted to approve the motion.

Update on Math 12, 23, & 73 review plan for fall 2018.

It was suggested to submit these courses for review with no changes. There are no current plans to remove these courses due to AB 705. Review is due June 1st, 2018.

Data mining course

Chris Wells in Communications is proposing a Data Story Telling, Communications 180, and is also proposing that it satisfies Quantitative Reasoning. According to current curriculum processes, for new courses, there should be a consultation with other departments who may have similar courses.

Below includes questions/concerns/comments from the MathSci DCC regarding this course.

- There are already at least two statistics courses on campus, Psychology 9A, Introduction to Elementary Statistical Methods for the Study of Behavior is another statistics course and Math 150, Elementary Statistics with Probability. This proposed course seems more advanced than the above mentioned courses. Almost so that Math 150 would be an excellent prerequisite for the added course. Some Statistic faculty even expressed interest in taking this course. Given the implied rigor, is a math prerequisite needed?
- Check with articulation officer regarding Quantitative Reasoning.
- Many expressed that this course would not "compete" with Math 150 and Math 150 students.
- More clarity needed on how the information will be taught. Will a software program be used or will students do the mining and analysis from scratch?
- If Quantitative reasoning, is Math 40 needed as a prereq?
- Should include at least a recommended prerequisite.
- What background would students need to have?
- For CSU and UC, still needs to have a prerequisite of Intermediate Algebra. (AB705 just allows students to enter the transfer level courses directly)
- Not exactly at the level of Math 150, seems to be above the level.
- How can a Fine Arts Major handle this?
- Topics are pretty advanced, would need matrices, eigen values, etc...
- SLO matching should be revised.
- Will the lecture be on topics they don't need to understand?

- Everything going on seems not to be about the math but more about the data and analysis.
- What is the service area and qualification of the faculty.
- Did you review the Stats C-ID?

Dean's Remarks

JSims thanked the committee for the discussion.