Mathematical Studies (MA/CS) Subcommittee Report

Date: 1/30/18

To: General Studies Council

From: Mathematical Studies (MA/CS)

      Caroline J. Harrison (Chair)
      Stephen Wirkus
      Michelle Zandieh

Re: Recommendations for Course Proposals CS designation

Recommend for Approval

From ASU:

From MCCCD:

Recommend for Revise/Resubmit

From ASU:

ASB 394 Statistics for Social Scientists (new) (CS)

The committee felt that this proposal did not argue well enough that they will use Excel to satisfy the computer applications criteria. While the textbook is about both Excel and Statistics, the only relevant learning outcome is: "Utilize Excel to conduct statistical analyses." The committee doesn't think that this satisfies the, "construct, test, and implement procedures that use the software…" criteria. The committee also questioned why they chose to submit using Criteria 1 Computer Applications rather than Criteria 2 Statistical Applications. There was evidence that they could satisfy the statistics criteria. The committee suggests that they either expand on how they satisfy Criteria 1 or resubmit under Criteria 2.

SES 130 Coding for Exploration (new) (CS)

This proposal used the Computer applications criteria and clearly stated that they are using computer programming languages for quantitative analysis, as well as 1b.vi. Algorithmic design and Computational thinking. However, while the Learning Outcomes show the plan to accomplish the criteria the rest of the syllabus as well as the Table of Contents of both textbooks emphasize the programming concepts to learn and not how, when and where the data analysis with the real Earth and Space science data will occur. The committee would like them to provide examples of activities, projects and/or more information on the weekly schedule that refers to the data analysis with real data.

From MCCCD: