

## UNDERGRADUATE CURRICULUM COMMITTEE MINUTES

**Date:** March 11, 2020

**Present:** Becky Anglin  
Carl Castles  
Sougata Das  
Natalie Bohlmann  
Aaron Mertes  
Jennifer Scroggins  
Melanie Reaves  
Ben Johnson

**Absent:** Joseph Bryan\*  
Kelly Shumway\*  
Jaki Penninger (Registrar representative)\*  
Ying Wang\*  
Laie Bryce-Black (student)  
\*excused

**Guest:** Mark Jacobson



Carl Castles, Chair, called the meeting to order at 4:02 p.m. in the Chancellor's Conference Room.

The minutes of January 22 & 29 were accepted as presented.

### I. ITEMS -FIRST READING

**Item 53.a** CSCI 246 Discrete Structures. Change prerequisites.

**Item 53.b** M 273 Multivariable Calculus. Change prerequisites.

**Item 53.c** M 274 Intro Differential Equations. Change prerequisites.

**Item 53.d** M 305 Discrete Structures I. Change prerequisites.

**Item 53.e** BS Major in Mathematics. Modification to an existing program.

**Item 53.f** BS Major in Mathematics Teaching Licensure Option Single Subject Endorsement. Modification to an existing program.

**Item 53.g** Teaching Minor in Mathematics. Modification to an existing program.

- Motion by Jennifer Scroggins, seconded by Natalie Bohlmann to **approve Items 53.a through 53.g on first reading.**

Mark Jacobson, Chair of Math, noted that CSCI 246 and M 305 are the same course, crosslisted. For both courses, experience with a specific coding language is not important, as the course covers the underlying logic beneath any coding program. For M 274, the EGEN course is removed as an alternate prerequisite, since our engineering program is no longer available. The program changes for the majors reduce the number of required math credits, as we had possibly the most rigorous program in Montana. Fewer math credits mean more flexibility for students and instructors. The total credits for both major programs remains the same.

Dr. Jacobson noted that they are updating the Professional Core for secondary teaching majors. Natalie Bohlmann stated that they don't have enough secondary majors to regularly offer EDU 380, so most students are now substituting EDU 381, which is intended for elementary majors. Next year the COE hopes to change the Professional Core so all students take EDU 381, as well as adding courses in managing behaviors and assessment.

Dr. Jacobson noted they are increasing the number of credits in the teaching minor. OPI has requested that additional content be added to the minor because the students need it. Students taking this minor are often trying to get endorsed in a second content area due to the teaching shortages across rural Montana.

The math programs are also moving toward being entirely online, because both Bozeman and Missoula do not offer math majors online.

- Motion carried.

- Motion by Melanie Reaves, seconded by Jennifer Scroggins to **waive second reading of Items 53.a through 53.g.**

- Motion carried.

The Committee agreed Items 53.a through 53.g will go to the Senate as action items.

**Item 51.r** CSTN 260 Construction Concepts and Building Lab III. New course.

- Motion by Jennifer Scroggins, seconded by Aaron Mertes to **approve Item 51.r on first reading.**

It was noted that the construction package has already been fully approved, but this course form was found to be missing.

- Motion carried.

- Motion by Jennifer Scroggins, seconded by Sougata Das to **waive second reading of Item 51.r.**

- Motion carried.

The Committee agreed Item 51.r will go to the Senate as a consent item.

**Item 55** AS Pre-Engineering Program of Study. Delete program.

**Item 55.a** Minor in Earth Science. Delete program.

- Motion by Natalie Bohlmann, seconded by Jennifer Scroggins to **approve Items 55 and 55.a on first reading.**

It was noted that we have not graduated a student from the Pre-Engineering AS program in 20 years. The courses in this program we can actually offer are not helping students.

The Earth Science Minor was on the list last year to be deleted by SPA, but was removed. The new broadfield minor the department is working on should be more appealing to students.

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