



Summary of Mathematics Subcommittee Memo

The following provides a summary of a memo from the Mathematics Subcommittee.

Recommendation

MATH/MTH 254 (Vector Calculus) is not appropriate at this time for course alignment in the Common Course Numbering alignment work and should be removed from the list of CCN courses for 2023-2024 and delayed until a future review.

Chart approved by CCN Mathematics Co-chairs Leanne Merrill and Celeste Petersen, June 6th, 2023.

Status: Recommended to Full HECC Commission by Transfer Council, June 15, 2023.



MEMORANDUM

TO: Transfer Council

FROM: Leanne Merrill and Celeste Petersen

DATE: June 6th, 2023

SUBJECT: MTH/MATH 254 as a CCN Course, addressed by the Math Subcommittee

Dear Transfer Council Members,

The Mathematics Subcommittee has concluded that MATH/MTH 254 (Vector Calculus) is not appropriate for alignment in the Common Course Numbering framework at this time:

1. This course is not in the list of the 30 most transferred courses within the system. 2. Changes in MTH 254 will be dependent upon changes made to MTH 251, 252, 253, which are being aligned this year, and those changes must be fully realized and their effects evaluated before making decisions about MTH 254.
3. Of the community colleges, three do not offer MTH 254. Of the seven public universities, two (UO and SOU) do not offer MTH 254.
4. For those schools that do offer MTH 254, several (9 out of 19) also offer MTH 255, and consider 254 and 255 to be a grouped sequence. Additionally, one public university (SOU) treats MTH 254 and MTH 255 as a group articulation, requiring both courses to be completed for students to receive relevant credit. As such, we believe that we should align 254 and 255 in the same cycle, and both courses are highly dependent upon decisions made about 251, 252, and 253.
5. Of the seven public universities, only two would count 254 in their General Education/Baccalaureate Core class list. However:
 - a. Math 254, for those institutions that offer it, has either Math 252 or Math 253 as a prerequisite. Math 253 has Math 252 as a prerequisite, which in turn has Math 251 as a prerequisite, which in turn has Math 112 as a prerequisite, which in turn has Math 111 as a prerequisite. That is to say: these courses are highly sequenced.
 - b. All institutions in the state count at least one of Math 111, Math 112, Math 251, or Math 252 in their General Education/Baccalaureate Core Requirements. Therefore, if someone has taken Math 254, they must have completed one of the above courses, meaning that they have already satisfied their Mathematics requirements for General Education/Baccalaureate Core. Thus, a lack of alignment of this course does not affect the ability of students to transfer General Education/Baccalaureate Core classes.

Copies: Donna Lewelling, Dir. of CCWD, HECC

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Members of the CCN Mathematics Subcommittee