

SEAS MATH PLACEMENT INFORMATION & EXAM**Friday, Aug. 26th, 2022 at 10:00am. The session will be virtual.**

Please note the following policies regarding math placement for entering SEAS students. These policies are fixed, and requests for exemption cannot be made on any basis other than the information below.

IF YOU HAVE TAKEN AN ADVANCED PLACEMENT (AP) EXAM AND EARNED AN AP SCORE OF:

4 or 5 on the Calculus AB exam... you may begin with Calculus II (MATH UN1102).

4 on the Calculus BC exam... you may begin with Calculus II (MATH UN1102).

5 on the Calculus BC exam... you may begin with MULTV. CALC. FOR ENGI & APP SCI (APMA E2000).

3 or lower on Calculus AB or BC exam... you **must** begin with Calculus I (MATH UN1101).

If a SEAS student self-places into MULTV. CALC. FOR ENGI & APP SCI (APMA E2000) without having received a 5 on the AP Calculus BC exam, he or she will be required to go back and take Calculus II. Students who have taken an AP exam are not eligible to take the placement exam and must follow the placement rules above.

***SEAS students are not permitted to take MATH UN1205 (ACCELERATED MULTIVARIABLE CALC). They must instead take APMA E2000 (MULTV. CALC. FOR ENGI & APP SCI).

IF YOU HAVE EARNED ONE OF THE FOLLOWING:

- A 6 or 7 on IB HL Math exam: Can take the placement exam or begin with Calculus II (MATH UN1102).
- An A or B on the A-Level Maths or Further Maths exam: Can take the placement exam or begin with Calculus II (MATH UN1102).
- An A in a yearlong calculus course in high school: Can take the placement exam or begin with Calculus II (MATH UN1102). However, since these students will not receive advanced placement credit, these students should consider starting with calculus I (MATH UN1101). Otherwise, if they do place into APMA E2000 or start with MATH UN1102, then they may have to take one or more higher level math classes at a later date to complete the math requirements for their major according to ABET guidelines.

If you believe that the material you covered in a high school calculus course should allow you to place into APMA E2000 but you did not take a **College Board** Advanced Placement exam, you **MUST** take the SEAS placement exam offered during the Math Orientation session. You **MAY NOT** self-place into APMA E2000 without having taken this exam and earned the requisite score to place into APMA E2000.

ADDITIONALLY, IF YOU HAVE TAKEN A MULTIVARIABLE CALCULUS CLASS AT AN ACCREDITED, FOUR-YEAR COLLEGE OR UNIVERSITY AND EARNED A B+ OR BETTER IN THE COURSE, YOU MAY FOLLOW THESE STEPS FOR POTENTIAL EXEMPTION FROM APMA E2000:

- 1) To be considered for this accommodation, you must provide an official college or university transcript for the course showing a letter grade received (B+ or better) *and* that college credit has been awarded to you;
- 2) Confer with Professor Drew Youngren to see if the course you took is determined by SEAS to be equivalent to APMA E2000. You should bring the course syllabus with you when you meet with Prof. Youngren;
- 3) Get final approval from SEAS Vice Dean Barclay Morrison for the suggested math placement at Columbia.

Please follow up with your advisor in the Berick Center for Student Advising if you have any questions. Students will be informed of their results on the placement exam prior to registration (Friday, Sept. 2, 2022).

STUDENTS MUST TAKE THE CORRECT CALCULUS CLASS AS DETERMINED BY THE PLACEMENT EXAM.

These placement requirements exist for the following reasons:

1. Students must master the material covered in Calculus I, Calculus II and APMA E2000 in order to lay the groundwork for success in the SEAS curriculum.
2. Accreditation guidelines outlined by ABET (formerly the “Accreditation Board for Engineering and Technology”) require that students either fulfill the requisite amount of calculus as knowledge for the major or prove equivalent knowledge.

THIS INFORMATION SESSION AND PLACEMENT EXAM ARE FOR SEAS STUDENTS ONLY.