Prerequisite Policy

Our department does not waive prerequisites. However, Math 111, 120 and 124 may have alternative prerequisites not recognized by the registration system. See below for details on these alternative prerequisites.

Please note that if you are entering UW for your first quarter with a prerequisite but it is not yet in the UW system we may be able to manually add you to a course while you wait for your scores or transcripts to be received and processed. Please email us (advising@math.washington.edu). Students that have been on campus for one or more quarters are expected to have their prerequisites on their student record.

Closed Courses

Before the quarter starts:

Instructors and Advisers in the Mathematics Department do not overload classes before the quarter begins nor do they have entry codes. Please set up notifications.

Courses that cannot be overloaded (i.e. Calculus) will have a comment on the Time Schedule. Please check there first.

Once class begins:

Attend class so you are up to date on the material. If it is not addressed during class, ask the instructor if they will be adding students.
Keep in mind, classrooms are often full and instructors are only expected to teach their course limit. If the instructor is not
overloading their class, please respect this decision. Remember that if a course has a note “No Overloads” on the Time Schedule it can never be overloaded.

Starting the **second week** all courses require permission to add if space opens. For Math courses, you must have instructor permission emailed to our oAce (advising@math.washington.edu) and then you must also follow-up with our office to be added.

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### 100-Level Registration and Placement

#### How to determine if you need to take a Math Placement Test

Students who have prior college MATH credit or qualifying AP/IB or A-Level credit may not need to take a math placement test. See the information below for more information regarding potential placement.

New students who will be attending Freshman Advising & Orientation Sessions over the Summer should check their UW unofficial transcript prior to coming to campus to ensure your scores/credits have been posted. AP scores from the Spring do not get posted until mid-July. IB scores/diplomas do not get posted until August. A-Level credits do not get posted until October. We recommend that you take a math placement test if you have not received your AP or IB scores yet or if they have not been posted. Students who have potential A-Level credits should take a math placement test since those credits will not be evaluated until after the quarter has begun.

#### How to determine which MATH class you should register for

Students who are unsure of which course they should register for should look at the [Course Materials website](http://courses.math.washington.edu) for the last MATH class they have received credit for and take the old midterm and final exams. Students who are able to complete the old midterm and final exams successfully for the courses they have received credit for, should register for the next course available. Students who find themselves struggling to complete the exams should strongly consider retaking that course or a previous course in order to strengthen their mathematical foundations.

#### Placement Test Scores


For Spring quarter 2020 registration, if you need to take a placement test to meet prerequisites for a math course, please email advising@math.washington.edu with your name, student id, and what course you are hoping to register for.

For Summer and Autumn 2020 registration, please check this website in April for additional information.

### AP, IB and A-level Placement

Please refer to the [Office of Admissions website](http://www.admissions.washington.edu) for this information. All evaluations of these types of credit are done through the Office of Admissions only. Students must have their scores for AP and IB tests before enrolling, and A-levels must be evaluated and on the UW transcript.

- AP Credit Policies (Please note, subscores alone do not count as placement.)
- A-Level and AS Exam Policies
- International Baccalaureate Policies (Will need adviser's help to register)
UW Graduate Students

Graduate students may register for 100-level courses starting Period II and will need help to register. During the Summer graduate students can register all periods with adviser help.

Math 111 Alternative Prerequisites

- Students who have completed Math 141 or Math 142 with a minimum grade of 2.0 at a Washington State Community College are eligible. Students should contact our office (advising@math.washington.edu) to get registered.
- Score of 2 or higher on an AP Calculus exam. Subscores are NOT used.
- Students who have already completed a Calculus course at a different institution are allowed to sign up for Math 111 without taking a placement test. Students should contact our office to get registered.
- Students who have already completed Math 124 at the UW need to wait until Period II registration to be registered by our office.
- Students with more than MATH 124 (i.e. have taken MATH 125 or more) will not be registered for MATH 111.

Math 112 Alternative Prerequisites

The only prerequisite for Math 112 is Math 111. There is no other placement into Math 112. This is a strict policy. Since Math 112 is only offered in Winter and Spring, please plan ahead if you wish to take this course.

Math 120 Alternative Prerequisites

- Students who have completed Math 141 and/or Math 142 with a grade of 2.5 at a Washington State Community College are eligible. Students should contact our office (advising@math.washington.edu) to get registered.
- Score of 2 or higher on an AP Calculus exam. Subscores are NOT used.
- Students who have already completed a Calculus course at a different institution are allowed to sign up for Math 120 without taking a placement test. Students should contact our office to get registered.
- Students who have already completed a Calculus course at the UW need to wait until Period II registration to be registered by our office.

Calculus: Math 124, 125, 126

Please see course catalog for official prerequisites.

- Math 124 has alternative prerequisite of a second quarter of Precalculus with a 2.5 or higher. If you have this coursework completed but are unable to register, please contact our office to see if you qualify.
- Placement only granted with college credit or appropriate test scores.
- As with all math classes, prerequisites cannot be waived.

Calculus courses cannot be overloaded and we do not give out entry codes.

Please note that Math 124 and Math 125 common finals during Autumn, Winter and Spring quarters are scheduled for the same day and time. Do not register for both classes in the same quarter as petitions to make-up one of the final exams will be denied.

Online Calculus

Online Calculus has the same content, instructors and resources as in-person sections. You will still have instructors and TAs for help and access to the math study center. If you wish and there is physical space in the classroom you may attend an in-person lecture section. Please keep in mind, the online section and in-person sections may cover material at a different pace.

UW Postbaccalaureate Students

Postbac students may register for Online Calculus anytime but must wait for Period II to register for an in-person section of Calculus.
There are no other restrictions on Postbac enrollment for other math courses.

Honors Calculus: Math 134, 135, 136

Prerequisites
Placement into Math 126 or higher and permission. As with all math classes prerequisites cannot be waived.

Course Information
Math 134 is part of an intensive honors sequence of calculus that is less computational than our regular calculus series, and instead is focused on the concepts and using proofs to solve problems. Students wanting to enroll in Math 134 should have a strong enthusiasm and aptitude for mathematics. The course covers the subject matter of Math 124 and Math 125 (single-variable calculus), but with a strong theoretical approach. Students should be comfortable with integrals and derivatives. In this course, students will learn the fundamental axioms for the real numbers that underlie all the results of calculus.

Math 134 meets Monday - Friday with the expectation of 3-4 hours of work every day and it is not recommended for students taking other intensive coursework.

Registration
Students interested in enrolling should first solve these problems. Complete these problems in a quiz-like setting; do not use books or calculators. The answers can be found here. If you are unable to solve these problems on your own, Math 134 is not an appropriate course for you.

Students who have taken AP Calculus need to have scored a 5 on the BC exam. IB students need to have scored a 7 on the HL exam. If you do not meet the prerequisite requirement with an AP BC Calculus score of 5 or IB HL Mathematics scores of 7, you will need to take the Advanced Math Placement Test for consideration.

If, after you have completed the problem set and you are excited about exploring calculus from a proof-based perspective, please complete the registration request form. If you are having trouble accessing the form, click here.

300- and 400-Level Registration

Below shows which courses are typically open if you are not a major. All 400-Level courses will be open Period II for non-majors and most will close to non-majors Period III. The Math Department reserves the right to update or change this information at any time without notification.

300-Level Typically Open Courses

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<td>Math 300</td>
<td>Petition</td>
<td>Period II</td>
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<tr>
<td>Course</td>
<td>Always</td>
<td>Honors</td>
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<tr>
<td>Math 301</td>
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<td>Math 307</td>
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<td>Math 324</td>
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<td>Math 327</td>
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<td>Math 334</td>
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<td>Math 335</td>
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<tr>
<td>Math 336</td>
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<tr>
<td>Math 340</td>
<td>Never</td>
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<tr>
<td>Math 380</td>
<td>Varies</td>
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<tr>
<td>Math 394</td>
<td>Period II</td>
<td>Period II</td>
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<tr>
<td>Math 395</td>
<td>Period II</td>
<td>Never</td>
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<tr>
<td>Math 396</td>
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</table>

### 400-Level Courses

All 400-Level courses will be open to non-majors Period II. In Period III most courses will revert to majors only.

### Always and Honors

These courses are open to non-major (and non-honors!) students. For “Always” courses you can register yourself and for “Honors” courses email advising@math.washington.edu for approval to be added.
“Never” courses are never available to non-UW Seattle majors. This is due to high demand within the majors. Space is rarely or never available. If space is open, it will be saved for majors.

Period II
Courses labelled “Period II” are generally available for non-majors to register for during Period II of registration only (link to UW calendar). Both Periods I and III these courses will be restricted to majors only. Many of these courses have prerequisites that are courses available to majors only.

Varies
For “varies” courses, please read the notes on the time schedule for more information about if these courses are available to non-majors and how to register.

Graduate and Postbac Students in 300-400 Level Math Courses
Graduate and Postbac students are treated the same as Undergraduates in terms of the above registration policies (i.e. prerequisites and major restrictions). Grad and Postbac students will always need to email advising@math.washington.edu.

Repeating a Course
Math 124/125/126: You may register to take a course for a second time during period II.

All other courses: You may register to take a course for a second time during all registration periods.

If you want to take a course for a third time, please first meet with your academic advisor or someone in Math Student Services to discuss:

- Why you want to take it
- Why you didn’t do well the first and second time
- What has changed since the last time you took the course
- What your course load is like for the quarter
- Campus resources you could consult BEFORE you take a course for a third time
  Husky Health and Well-Being: https://wellbeing.uw.edu/
  Study Skills: https://webster.uaa.washington.edu/asp/website/study-skills/

Your goal should be to maximize your ability to pass the course. The Math Department does not allow students to take courses for a fourth time.

Process for Requesting to take a course for a third time:

Winter, Spring and Summer requests must wait until Period II registration to submit a request. Autumn in-person classes must wait until Period III; we will consider online calculus requests during Period II.

If after you have met with an adviser, utilized campus resources and have determined you need to request to take a course for the
third time, please email advising@math.washington.edu with the following information.

Name & student number
Course you are requesting to take for a third time
Name of advisor you met with to discuss repeating the course
Explain why you need to repeat the course.
Tell us what resources you have/will use to be successful

Note: if you are requesting to take a course for the third time immediately following consecutive quarters of not passing the course, you must demonstrate that you can be academically successful.

High Demand & Majors-only Courses

Many Math Major students are interested in coursework that will be directly applicable to industry. Although this is not the focus of pure math degrees, courses like Probability, Optimization, Discrete Math Modelling and Combinatorics are some of the department's most popular courses that can be used towards math majors.

Optimization (MATH 407/8/9) and Combinatorics (MATH 461/2) will have specific restrictions on them for a given quarter. Typically these courses are restricted to Seniors and fill with Graduating Seniors. Please see the time schedule for the most up-to-date information.

If you are a BS standard student, we strongly recommend planning for a back-up sequence for 407/8/9 or Math 461/2, these courses fill quickly, even with Graduating Senior Priority.

Department of Mathematics
University of Washington

Administrative Office
C-138 Padelford
Box 354350
Seattle, WA 98195-4350
Phone: (206) 543-1150
Fax: (206) 543-0397

For all academic inquiries, please contact:

Math Student Services
C-36 Padelford
Phone: (206) 543-6830
Fax: (206) 616-6974
advising@math.washington.edu