



Gateway to Mathematics Project (GtM)

Math 170 Calculus & Analytic Geometry I

Distance Delivery of Concurrent Enrollment Calculus

Students may earn **both** high school and university credit (concurrent credit) for *Math 170 Calculus and Analytic Geometry I*, delivered using technologies allowing person-to-person interactions with teachers and other students in a state-of-the-art, web-based mathematics course offered by the University of Idaho. This course is a four-credit, one-semester course.

This course satisfies the core requirement in mathematics at the University of Idaho, and serves as a gateway course for many undergraduate majors, including mathematics, statistics, engineering, and computer science at most colleges and universities. These credits will transfer to other universities.

Student Prerequisites:

Academic Prerequisites:

- A GPA of 3.5 or better in Algebra 1, Algebra 2, Geometry, and
- Have taken Advanced Math or Pre-Calculus the previous semester, and
- Recommendation of a mathematics teacher

Mathematics Readiness Score, one of the following:

- ACT math: 29 – 36
- SAT math: 650 – 800
- Compass: College Algebra ≥ 51 and Trig ≥ 51

Dispositions:

- Motivated, responsible, and persistent, and
- Patient in the face of technological and/or mathematical difficulties

Gateway Partners:

In order for a student to enroll in this course, a Gateway Partnership must be established between the Gateway Project personnel and a local Project Partner. Project Partners are typically high schools and act as points-of-contact for students, parents, and other interested persons. An Administrative Liaison is designated for the Project at the high school and need not be a teacher.

What will students do on a regular basis in the course?

DAILY, *at school everyday* for 50 minutes using a dedicated workstation:

- Read instructional materials
- Watch instructional videos
- Print out exercise assignments for later use
- Apply new concepts and practice new skills using Bernoulli quizzes

DAILY, *elsewhere*:

- Work on hard copy exercises printed at school
- Use GtM on-line materials

WEEKLY, using a workstation dedicated to *GtM* at school at least twice each week:

- Participate in whiteboard & audio chat with instructor & teammates
- Come prepared to ask specific questions

University of Idaho Gateway to Mathematics responsibilities:

- Provide all instruction for the course
- Provide all advertising materials, hardware (other than computer), and staff training
- Provide a Gateway to Mathematics Project Manager to work as a liaison between the University of Idaho and Project Partners and their students.
- Work with Administrative Liaisons to ensure the necessary technologies are working properly
- Work with Project Partners in processing applications and facilitating registration

Project Partner Responsibilities:

- Assist the University of Idaho with advertising and recruiting and supervising students for the course
- Schedule student access to course technologies (dedicated access to a computer five days a week for 50 minutes a day throughout the semester)*
- Maintain course related hardware and software installed on these machines
- Monitor local students accepted into the program
- Maintain course related hardware and software installed on these dedicated machines

Fees: The cost for the course is \$65 per credit hour (\$260 for the 4 credit course)

Contact Information

Program Director:

Aaron Kraft, (208) 885- 6266, gateway@uidaho.edu

Course Content, Procedures, Expectations, etc.:

Cynthia Piez , (208) 885-5976, cpiez@uidaho.edu

Dr. Monte Boisen (208) 885-6742, boisen@uidaho.edu

Department of Mathematics, University of Idaho, Moscow, ID 83844-1103

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* This includes completing a technology systems requirement checklist prior to the start of the course. The checklist is provided by University of Idaho.