

Dear Future Kettering Student:

Congratulations in being admitted to Kettering University. This information is intended for high school students who will have AP (Advanced Placement) credit for Calculus or HL IB (Higher Level International Baccalaureate) credit or who are dually enrolled and are taking a university level calculus course. We would like to inform you about Honors Calculus II that you may be eligible to register for. After reading the information below and if you want to be considered as a candidate for Honors Calculus II, please respond to this e-mail.

Send your request including your name and KU student number either by e-mail or conventional mail to

Email to:	Lgawarec@Kettering.edu
Conventional mail:	Leszek Gawarecki Department of Mathematics 1700 W. Third Ave. Flint, MI 48504

Deadline for all requests:

A-Section - 5 pm EDT, Monday, 16 June 2008.

B-Section - 5 pm EDT, Monday, 21 September 2008.

Questions? Contact Department Head of Applied Mathematics, Dr. L. Gawarecki at

Lgawarec@Kettering.edu

Information about Calculus II Honors (Math-102H)

What is the Honors Calculus II course?

Honors Calculus II at Kettering University provides in-depth instruction and academic challenge to highly qualified and motivated students regardless of their choice of major. While traditional calculus courses spend much time on practicing routine computations, the honors course focuses on conceptual learning. The students will be engaged in discussions and will make their own discoveries. Additional benefits include "discussion room", mini lectures and movies on mathematics and science. We introduce rigorous definition of a limit, develop the Riemann integral, prove the Fundamental Theorem of Calculus and finish with infinite series. Each topic is richly demonstrated on principal examples from science including applications to physics, medicine, biology, engineering, and economics.

Who are we looking for?

We are looking for students who want to engage in active inquiry and who are eager for a vigorous intellectual community; students who do not measure success purely by grades.

Invitations to Honors Calculus II

Students whose admission files strongly indicate that they are well suited to especially challenging mathematics courses and **who have expressed an interest by responding to this e-mail** will be invited to enroll in Honors Calculus II.

For new students the main criterion for admission is their grade on the AP, HL IB, or university level Calculus exam. Students do not have to wait for their grades to apply. We will obtain and process those grades the first week of July and make our final determination at that time.

Students who have taken Calculus I at Kettering University will be admitted by instructor's recommendation.

Other criteria can be used in extraordinary circumstances, including SAT, ACT, or GPA.

What if we have invited you to Honors Calculus II!

Congratulations! Accepting our invitation means joining an elite community of exceptional students working with dedicated faculty to assist you in growing your talents. You will have access to the unparalleled resources of a world-class teaching and research university in the environment of a small private school.

How to Accept Your Invitation

Simply reply to the invitation e-mail message that will be sent to you or send us your acceptance to Lgawarec@Kettering.edu, including your name and your KU student number. We will identify you as an Honors Calculus II student and we will register you for MATH-102H.

FAQ

Why should I take Honors Calculus II?

You should take Honors courses if you have the desire and motivation to educate yourself beyond the requirements of the degree you seek.

What is Honors Calculus II like? Is it harder than a regular course?

An Honors course may cover material at an accelerated pace or at a greater depth than its non-Honors counterpart. The profound difference is however not in the amount of work but in the quality of work. Honors Calculus courses require less routine repetitive assignments and more stimulating exercises, projects, and conceptual learning. The total workload may be slightly higher but significantly more rewarding than in a mainstream course.

Since Honors courses offer more, is there any additional tuition involved?

No, there is no additional tuition costs attached to Honors courses.

Do I have to choose a particular major to be in the Honors Program?

You should major in the area you are most passionate about or you are not going to be happy. All majors are accepted into the program including undecided.

I am not a math major and have no intention of being a math major. Why would I ever consider taking Honors Calculus?

You have nothing to be afraid of since the course builds on skills you acquired through your high school math courses and demonstrated your proficiency in that subject. Taking Honors Calculus is about your holistic education. You will develop critical thinking and problem solving skills which you will later utilize in the field of your specialty. Rather than limiting yourself to making things that work, you may become curious about why they work. The regular courses within your major may not give you this edge.

Will my Honors grades be as good as my regular grades would be?

That is what we believe! Honors students across various Honors Programs find that they do as well or better in their Honors courses as in their other courses because of the intellectual stimulation they experience in Honors classes. Your entire academic performance may be positively affected by the development of unique skills.

Do taking Honors courses change my chances of getting into graduate or professional schools?

Graduate schools (and employers) view Honors work as a sign that you are motivated and willing to work hard.

FAQ

Will taking Honors courses be reflected on my transcript?

Yes, absolutely!

Am I automatically accepted if I reply?

You are encouraged to earn high grade on your AP, HL IB exam or in your university level Calculus course. Your records will be carefully evaluated and you will be informed about the final determination the week before you start your classes.