

Dr. Darci L. Kracht

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347 MSB

MTWR 8:30–9:35 am *and by appointment*

Course materials are posted in **Blackboard** (<https://learn.kent.edu/>)
Homework Webpage: <http://kent.mylabsplus.com>

Teaching assistants

Section 005 (TR 11:00–12:15)

GA: Mr. Yonggi Park

ypark7@kent.edu
(330) 672-9558
303 MSB

MW 9:40–11:00; TR 9:40–10:40

Tutor: Anna Routson

Section 007 (TR 3:45–5:00)

GA: Ms. JiaFeng Jin

jjin3@kent.edu
(330) 672-9361
209 MSB

MT 1:00–3:30 pm

Tutor: Kurtis Thomson

Prerequisite

The prerequisite for this course is a **C or better** in Math 11010 or Math 12001, or appropriate placement test score. In particular, neither a C- in Math 11010 nor any grade in Math 11009 is sufficient preparation for this course. If you do not have the proper prerequisite, expect the registrar to deregister you from the course.

Course Description and Learning Outcomes

This is a course in brief applied calculus, with an emphasis on applications to business. [Learning Outcomes](#) for the course can be found at <http://www2.kent.edu/math/undergraduate/upload/learning-outcomes-3.pdf>.

This course will be taught using a teaching method known in mathematics as inquiry-based learning (IBL). IBL is an active, student-centered pedagogical strategy in which students are led to develop mathematical concepts and discover mathematical connections for themselves. The faculty member serves as mentor and moderator. The time in class is structured as a collaborative learning experience in which everyone works together to deeply understand the mathematical ideas. There is an emphasis on creative, critical thinking and problem solving. In addition to learning content, IBL courses provide opportunities to learn new dispositions and habits of mind, such as problem solving, communication, experimentation, and exploration.

There is a lot of evidence that when students actively discuss mathematical ideas with other students on a regular basis, they learn more deeply and the knowledge stays with them longer than when they work in isolation. Thus I encourage you to work together in small groups outside of class as well as in the class. You are invited to take an active role in your education!

Text, Software, and Calculators

The required web-based software for this course is [MyLabsPlus](#). You will automatically be enrolled in the correct section of the course in MyLabsPlus when you register for the class in Flashline. However, you still must purchase an access code. If you are unable to purchase an access code right away, you will have free temporary access for two weeks from the time your access your account. *I regret that I do not have the ability to extend your temporary access code. Please be sure to purchase your access code in plenty of time before the temporary access expires.*

The text for this course is **Calculus for Business, Economics, Life Sciences, and Social Sciences**, 13th Edition, by Barnett, Ziegler, and Byleen. You do not have to purchase a printed copy of the text, since a pdf is available in MyLabsPlus. However, if you do wish to purchase a printed copy, the most economical option is to buy the loose-leaf, binder-ready version bundled with a MyLabsPlus access code, available at the [KSU-Pearson storefront website \(http://www.pearsonstore.com/stores/KSUMath\)](http://www.pearsonstore.com/stores/KSUMath). Note that

the access code will come on a card bundled with the textbook, which will take 7–10 days for delivery.

Calculators will not be needed or permitted on written examinations and quizzes. A scientific calculator will be needed for some homework and MyLabsPlus quizzes. However, for these, you may use the calculator on the computer, so you need not purchase a hand-held calculator.

Email and Blackboard

Students are required to monitor their @kent.edu email account and whatever email account was used when registering for MyLabsPlus. Your instructor will email the class through Flashline and through MyLabsPlus. Course materials will be posted on [Blackboard](#).

Grading Scheme

Your grade will be determined by the following:

Attendance/Engagement	10
Daily Group Assignments	100
MLP Homework	75
Daily MLP Reading Quizzes	75
Weekly Quizzes	100
MLP Skills Tests (3)	90
In-class Exams (3)	300
Final Exam	250
<hr/> TOTAL	<hr/> 1000

Letter grades for the course will be assigned as follows:

A: 93% A-: 90% B+: 87% B: 83% B-: 80%
C+: 77% C: 73% C-: 70% D+: 67% D: 60%

Attendance and Engagement

Good attendance and participation in the class discussion are important for success in this course. You are required to arrive on time and remain on task for the full 75 minutes. Please silence and put away all electronic devices, such as phones, iPods, etc. Each seat in the classroom has a laptop. You must use this laptop (rather than your own) in class because it is on the network with the teacher's station.

If you miss a class, you are responsible for making up the work you missed. If you anticipate a lengthy illness or hospital stay, please contact your instructor or your college dean as soon as possible.

Students who follow the attendance guidelines, participate actively and respectfully with their classmates during group work, and contribute frequently and meaningfully to whole class discussions should expect to earn a B for their Engagement grade. Students who also demonstrate frequent insights and original thinking will earn an A. Students with lapses in attendance and/or passivity

in class can expect a C or lower. Students will be given an opportunity to self-assess their engagement and these assessments will be taken into consideration by the instructor.

Daily Group Assignments

This course will be centered around daily collaborative group work (generally in groups of three students). There will be very little lecture. Most of the group work will be pencil-and-paper, although sometimes use of a calculator or Excel will be needed. The worksheets will be posted on Blackboard at least a few days in advance of the class. Students are required to print out a hard copy of each worksheet and bring it to class. At the end of class, each group will turn one copy of the completed worksheet. No late group assignments will be accepted. Instead, several of your lowest scores will be dropped at the end of the semester. After that, your daily group assignment average will be scaled to a score out of 100 points.

MyLabsPlus Assignments

Assignments for the week will be posted by Friday of the previous week. All MyLabsPlus assignments will be weighted equally at the end of the semester, even though they will have different numbers of problems. At the end of the semester, your MLP homework average will be scaled to a score out of 75 points. Deadline extensions will **not** be granted, except under extraordinary circumstances (such as a class cancellation). Students may continue to work on homework assignments after the deadline with a penalty of 2% per day of the points earned after the deadline up until the next exam.

Daily MLP Reading Quizzes

There will be a reading quiz in MyLabsPlus at the beginning of class on most class days. You will be expected to read ahead in the text to prepare for it. There will often be a reading quiz prep homework assignment in MyLabsPlus to help to prepare you for the quiz. (These assignments will be optional and will not contribute directly to your course grade.) Make-up reading quizzes will **not** be given, even for excused absences. Instead, several of your lowest scores will be dropped at the end of the semester. After that, your reading quiz average will be scaled to a score out of 75 points.

Weekly Quizzes

Most weeks there will be a short quiz at the end of Thursday's class. All students must take the quiz in class. Make-up quizzes will **not** be given, even for excused absences. Instead, several of your lowest scores will be dropped at the end of the semester. After that, your quiz average will be scaled to a score out of 100 points

Skills Tests & Exams

There will be three MLP skills tests worth 30 points each, three mid-term written exams worth 100 points each, and a comprehensive final exam worth 250 points. See the [course schedule](#) for dates.

Skills Test & Exam Make-up Policy

Make-ups for skills tests and exams will be given only to those students with a valid, documented excuse who make an explicit agreement with the instructor in advance for a make-up. *Leaving early for break is not an acceptable excuse. Please do not make travel plans that conflict with exams. If your parents will be making your travel plans, please inform them of the official university schedule and this policy.* Last-minute voicemail or email messages will be accepted as a rescheduling arrangement only in case of a sudden and serious emergency.

Tutoring

The Academic Success Center provides free drop-in tutoring on the first floor of the library during the day and in residence halls in the evenings. They also have a program of scheduled small-group tutoring, which is available to all students this year. See <http://www.kent.edu/asc/> for more information.

Registration and Withdrawal Deadlines

Please see the [official university calendar](#) for drop, add, and withdraw deadlines. University policy requires

all students to be officially registered in each class they are attending. Students who are not officially registered for a course by the published deadlines should not be attending classes and will not receive credit or a grade for the course. Each student must confirm enrollment by checking his/her class schedule (using Student Tools in Flashline) prior to the deadline indicated. Registration errors must be corrected prior to the deadline.

Cheating and Plagiarism

Cheating will not be tolerated— serious penalties will be imposed. In addition, all cases will be reported to the Office of Student Conduct. University policy 3342-3-01.8 deals with the problem of academic dishonesty, cheating, and plagiarism. If you have any questions, please read the policy and/or ask. (See <http://www.kent.edu/policyreg/>.)

Students with Disabilities

University policy 3342-3-18 requires that students with disabilities be provided with reasonable accommodations to ensure their equal access to course content. If you have a documented disability and require accommodations, please contact your instructor at the beginning of the semester to make arrangements for necessary classroom adjustments. Please note, you must first verify your eligibility for these through Student Accessibility Services. (Contact 330-672-3391 or visit <http://www.kent.edu/sas/> for more information and registration procedures.)