ENGR-190
Introductory Calculus for Engineering
COURSE INTRODUCTION, POLICIES, AND PROCEDURES
Outline

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About the Course

- The course goals are:
  - To give you a solid background in algebra, trigonometry, analytic geometry, and an introduction to differential calculus.
  - To prepare you for ENGR-101, Engineering Analysis I.
  - To develop and strengthen good study habits.
    - [http://www.reach.louisville.edu/onlinehelp/](http://www.reach.louisville.edu/onlinehelp/)
  - To give you practice working constructively in a group.

- The course is a four credit hour course
  - You are expected to spend an additional 8 and 10 hours a week working independently on course assignments and materials
Course Materials, Assignments and Organization

- All course materials and assignments are in MyMathLab.
  - Course materials include: an etext, practice problems, a study plan, quizzes, exams, learning aids, videos, and animations.
  - You can access these materials from any computer.
- The course is broken down into six units.
- Each unit is made up of between 30 and 50 objectives.
- Each unit has two quizzes, with the objectives divided between the two quizzes.
- There are six exams, one covering each unit.
- There is a comprehensive Final Exam.
Accessing MyMathLab in MyLabsPlus

Login to the University of Louisville’s MyLabsPlus portal at:

http://louisville.mylabsplus.com

Use your ulink ID as your username.

If you don’t know your password use the forgot your password link to set a new password.
Pearson LockDown Browser

- The quizzes and tests will use the Pearson Lockdown Browser.
- Use the **Check Lockdown Browser Quiz** to make sure the Lockdown browser is working correctly on your computer.
- If you are having trouble with the Lockdown browser:
  - Read the “Trouble-shooting Lockdown Browser Document” available under Start Here in the MyMathLab Course Shell.
  - Contact your instructor.
Calculators

- For the most part you should not use a calculator for work in this course.
- The only exception is for multiplication and division of large integers and finding the principle $n^{th}$ root of large numbers (say beyond $169 = 13^2$) which maybe required for some MyMathLab problems.
- A simple calculator is provided in MyMathLab. That will be the only calculator you can use on a test, so you should practice using it when you take quizzes (rather than use your own calculator).
Course Grade and Grade Scale

- Weighted Average:
  - 60% Exam Average, 20% Final Exam, 5% Quiz Average, 15% Class Work

- Grade Scale:
  - A≥90>B ≥ 80>C≥70>D≥60>F, a minimum score of 70% on the final exam is required to earn a passing grade in the class.
Exams

- There are 6 exams, one for each unit
- Exams will be taken in MyMathLab
  - All exams are listed on the schedule, most are on Tuesdays, time and location to be determined
- The previous two quizzes (Quiz 1 and 2 for Exam 1, etc.) are designed to prepare you for the exam and you must have attempted each of the two previous quizzes to be able to take the exam.
- To prepare for the exam:
  - Take the quizzes under test conditions
  - After taking a quiz, review your work to find mistakes, make sure you understand what you missed
Exams Continued

- You will be provided scratch paper for working exam questions
  - Write the problem number before you start working each problem
  - Box your answer
  - Draw a line between each problem
  - **Scratch paper will not be graded or reviewed** but you must turn it in when you are done.

- After the exam due date you will be able to see your score and review your answers
  - If you think an entered answer in MyMathLab was scored incorrectly, you can submit a Request to Review Entered Answer in MyMathLab, the form is available outside your instructor’s office.
Quizzes

- There are 12 Quizzes, most are due Monday Afternoons at 5:00 P.M.
  - Quizzes 1 through 10 have a required study plan assignment
  - Quizzes 11 and 12 have required homework assignments
- Odd numbered quizzes are a pre-requisite for the next even numbered quiz, meaning you must attempt each quiz by its due date.
- You must master a stated number of objectives from the study plan (or homework assignment) before you can access the quiz.
- Quizzes will focus on material from the study plan, but can include questions from any objective
Quizzes Continued

- You will have 90 minutes to complete the quiz once you start
  - This is more time than you need, so don’t rush
  - You must complete the quiz once you start, if you get knocked off-line you can re-enter a quiz you have already started
- You can take the quiz anywhere
  - You should make sure there are no distractions while you are taking the quiz
  - Take the quiz under test conditions
    - Don’t use notes or other resources (especially a calculator)
  - Leave time to review your first attempt before taking the quiz a second time
The study plan is a MyMathLab feature that lets you practice and then Master individual objectives in the course.

Quizzes 1 though 10 each have a study plan prerequisite assignment.

In the study plan you can work individual practice problems for each objective. When you are ready, you can take a ‘quiz me’.

If you score above 80% on the ‘quiz me’ then that objective will be counted as masters, and will be removed from the study plan.

For each quiz you will need to master a stated number of objectives before you can take the quiz.

Quizzes and Exams will feed back into the study plan, so that if you miss an objective on the quiz it will re-appear on your study plan.
Unit 6 Study Plan Homework Assignments

- The material in Unit 6 does not come from the etext
- There are four Unit 6 Homework assignments
  - Each includes videos and practice problems.
  - A set of prepared notes that goes with the videos is available in the Unit 6 Tab
- You will need to score above 80% on each of these homework assignments to be able to access Quizzes 11 and 12
There will be a comprehensive Final Exam
The exam will be in MyMathLab and follow the same format as the Unit Tests, but will be longer
You will have 150 minutes to complete the final exam
You must score above 70% on the final exam to earn a passing grade in the class.
During class meetings you will work on class activities.

One of the goals of this activity is to help you slow down your thinking so that you can examine and improve it.

Class work counts for 15% of your final course grade

- You cannot receive credit for class work if you do not attend class, but attendance is not sufficient, you must be working on 190 material to receive full credit.

- If you are more than 5 minutes late to class you will not receive credit for class work that day.

- You will be allowed to miss three class meetings during the semester.
Assignment Due Dates and prerequisite exemptions

- All due dates are listed in the course schedule, which is viewable under the MyMathLab Schedule Tab.
- Any changes to the schedule will be announced in MyMathLab and emailed to your University email account.
- Extensions for quizzes and exams will only be granted in cases of medical or family emergency.
- If you think you will not be able to complete a quiz on time, email your instructor before the quiz is due.
- Each student is allowed one prerequisite exemption during the semester.
Technical Issues

If you have a technical problem with MyMathLab let the instructor know as soon as possible.
Getting Started

- Read the Course Syllabus
- Do the MyMathLab Browser Check
- Make sure you have the LockDown Browser installed and working
  - Use the Check Lockdown Browser Quiz to test the Lockdown Browser
- Complete the MyMathLab Orientation Assignment
- Take the Syllabus Quiz (Quiz 0)
  - A 90% is required before you can access Quiz 1.
- Review the etext material for Quiz 1 and then start on the study plan for Quiz 1