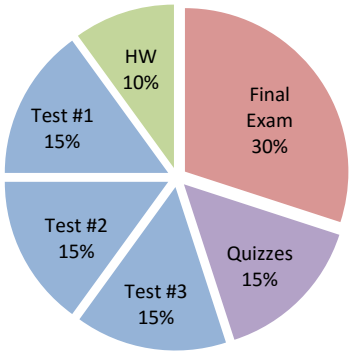
Math 140 Syllabus

Fall 2016

CLASS INFO		PROFESSOR INFO	
Calculus for Business		Name:	David Beydler
MW 4:30-6:35pm		Office Hours:	M 2-4pm, TTh 10-10:30am, T 3:30-4:30pm
Section 2 (CRN 20901)		Office:	61-1608 (Building 61, Room 1608)
Classroom: 61-3415		Phone:	909-274-4669
http://davidsmath.com/math140-02/		E-mail:	dbeydler@mtsac.edu

GRADING INFO

Homework:	10%
Quizzes:	15%
Test #1:	15%
Test #2:	15%
Test #3:	15%
Final Exam:	30%



You'll get an A, B, C, D, or F
based on these overall percentages:

90-100%: A
80-89%: B
70-79%: C
60-69%: D
0-59%: F

Homework: Homework will be collected weekly (see class website for assignments). You must show work to get credit. You can turn in up to 2 homework assignments one week late. Also, your lowest 2 homework assignments will be dropped.

Quizzes: There will be some quizzes, usually at the end of class. See the Tentative Schedule for tentative quiz dates. No make-up quizzes will be given. Your lowest quiz score will be dropped.

Tests: We'll have 3 tests on Sep 28 (Wed), Oct 26 (Wed), and Nov 30 (Wed). No make-up tests will be given. I'll replace your lowest test percentage with your final exam percentage (if your final exam percentage is higher).

Final Exam: The final exam will be cumulative and will be on Monday, December 12, 4:30pm-7:00pm. No make-up final will be allowed.

Extra Credit:

1. Scavenger Hunt: If you complete the Scavenger Hunt handout at the beginning of the semester, you'll get an extra 1% towards your first test. The due date is Sept 14 (Wed).
2. Tutoring: If you spend 8 hours at the TMARC (Transfer Math Activities Resource Center) or other tutoring center on campus, you'll get an extra 1% towards the next upcoming test (including the final exam).
3. Review Problems: Before each test and the final exam, I'll give you a set of review problems to work on. They'll be due at each test, and depending on completeness and neatness can be worth up to 3% extra credit towards that test (including the final exam).

So, the maximum possible extra credit for Test #1 is 5%. The maximum possible extra credit for Test #2, Test #3, and the final exam is 4% each.

GENERAL POLICIES

Calculators: You'll need a *scientific* calculator for certain parts of the homework, quizzes, tests, and final exam. You will not be allowed to use any other electronic devices, such as cell phones, graphing calculators, computers, etc. If you're not sure, check with me ahead of time whether your calculator is acceptable or not. You will not be allowed to share a calculator during quizzes, tests, and the final exam.

Also, no books or notes will be allowed during the quizzes, tests, and final exam.

Classroom: My goal is to keep the classroom environment focused on learning math (after all, that's what you signed up for!). So, the basic rules are: don't disrupt others during class, and respect your fellow classmates and teacher (me!). Please eat before or after class, or during breaks. Turn cell phones off/silent.

I will post handouts and quiz/test solutions on the class website (see Class Info).

MISCELLANEOUS

Textbook: *Calculus for Business, Economics, and the Social and Life Sciences* (Brief, 11th Edition), Hoffman, Bradley, Sobecky, & Price, 2013

Prerequisites: MATH 130 or MATH 160 or qualifying score on current department placement test

Description: Calculus for business, social science, and non-science majors. Algebraic, logarithmic, and exponential functions; limits; differentiation with applications; various techniques of integration with applications; differential equations; multi variable calculus. Credit not given to persons with credit in MATH 180 or equivalent.

Objectives:

1. Evaluate the limit of a function.
2. Apply the definition of continuity.
3. Determine the first and higher-order derivatives for functions (algebraic, exponential, logarithmic and combinations of these), explicitly and implicitly.
4. Apply the derivative to curve sketching, related rates, and optimization problems.
5. Solve real-life problems using the Fundamental Theorem of Calculus.
6. Select and use the appropriate integration technique suitable to given problems.
7. Apply calculus techniques to analyze functions of several variables.
8. Analyze a variety of applied problems using calculus.
9. Solve separable differential equations.

Student Learning Outcomes:

1. Students will understand the use of the derivative and be able to accurately differentiate a given function as suggested by the notation and/or the wording of the problem.
2. Students will understand the use of the integral and will be able to accurately integrate a given function as suggested by the notation and/or the wording of the problem.

Accommodations: Students with disabilities should be sure to contact the DSP&S Office. Also, please feel free to stop by my office so we can discuss your particular learning needs.

Academic Honesty: Don't cheat. It's wrong and it's not worth it. I will follow the policy as outlined in the school catalog (see http://www.mtsac.edu/catalog/), and will report any student misconduct to the Office of Student Life. Also, you'll receive a zero score on the assignment/exam.

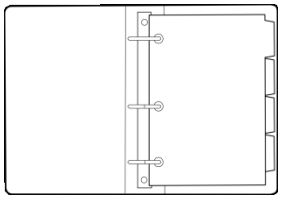
TUTORIAL SERVICES

Free tutorial services are available in the TMARC (Building 61, first floor). For details, check out: http://marc.mtsac.edu/

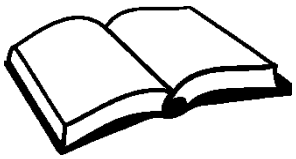
Free tutorial services are also available at the LAC (Learning Assistance Center) in the library (Building 6). For details, see: http://www.mtsac.edu/instruction/learning/lac/services.html#tutorial

STUFF TO GET

1. 3-ring binder (*1.5-inches* is best if you keep everything in it—trust me)
2. Scientific calculator
3. Pencils and erasers
4. Textbook







FAQ

Q: Do you offer make-up quizzes/exams?
A: No. However, your lowest quiz will be dropped. Also, if you miss a test for any reason, I'll replace the test with the final exam percentage.

Q: Will I need Scantrons?
A: Nope.

Q: Will the final exam cover everything?
A: Yep.

Q: How do you pronounce your last name?
A: The "Bey" is pronounced like "Bye!" But don't worry about this!

Q: What does a skeleton say before dinner?
A: Bone-appetit!

Note: Any of the information in this syllabus could change anytime. I'll try to e-mail important announcements and post them on the website, but ultimately you are responsible for announcements made in class. So, I'd recommend getting the phone number and/or e-mail address of a classmate or two.

CLASSMATE CONTACT INFO

Name: _____ Name: _____

Phone: _____ Phone: _____

E-mail: _____ E-mail: _____
