

**FORMAT 1**

Submit original with signatures + 1 copy + electronic copy to Faculty Senate (Box 7500).  
See <http://www.uaf.edu/uafgov/faculty-senate/curriculum/course-degree-procedures/> for a complete description of the rules governing curriculum & course changes.

**TRIAL COURSE OR NEW COURSE PROPOSAL**  
(Attach copy of syllabus)

**SUBMITTED BY:**

Department	Mathematics and Statistics	College/School	CNSM
Prepared by	John Rhodes	Phone	474-5445
Email Contact	j.rhodes@alaska.edu	Faculty Contact	same

**1. ACTION DESIRED**

(CHECK ONE):

Trial Course	<input type="checkbox"/>	New Course	<input checked="" type="checkbox"/>
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**2. COURSE IDENTIFICATION:**

Dept	MATH	Course #	230X	No. of Credits	3
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Justify upper/lower division status &amp; number of credits:

This course is intended to replace Math 222X and 232X in our current offerings, and satisfy a SOM request that 222X be replaced by a 3 credit course

**3. PROPOSED COURSE TITLE:**

Calculus Essentials with Applications

**4. To be CROSS LISTED?**

YES/NO

No

If yes, Dept:

Course #

NOTE: Cross-listing requires approval of both departments and deans involved. Add lines at end of form for additional required signatures.

**5. To be STACKED?\***

YES/NO

No

If yes, Dept.

Course #

How will the two course levels differ from each other? How will each be taught at the appropriate level?:

\* Use only one Format 1 form for the stacked course (not one for each level of the course!) and attach syllabi. Stacked course applications are reviewed by the (Undergraduate) Curricular Review Committee and by the Graduate Academic and Advising Committee. Creating two different syllabi (undergraduate and graduate versions) will help emphasize the different qualities of what are supposed to be two different courses. The committees will determine: 1) whether the two versions are sufficiently different (i.e. is there undergraduate and graduate level content being offered); 2) are undergraduates being overtaxed?; 3) are graduate students being undertaxed? In this context, the committees are looking out for the interests of the students taking the course. Typically, if either committee has qualms, they both do. More info online – see URL at top of this page.

**6. FREQUENCY OF OFFERING:**

Every semester

Fall, Spring, Summer (Every, or Even-numbered Years, or Odd-numbered Years) — or As Demand Warrants

**7. SEMESTER & YEAR OF FIRST OFFERING** (Effective AY2015-16 if approved by 3/31/2015; otherwise AY2016-17)

Fall 2016

**8. COURSE FORMAT:**

NOTE: Course hours may not be compressed into fewer than three days per credit. Any course compressed into fewer than six weeks must be approved by the college or school's curriculum council. Furthermore, any core course compressed to less than six weeks must be approved by the Core Review Committee.

 COURSE FORMAT:  
(check all that apply)

☐ 1

☐ 2

☐ 3

☐ 4

☐ 5

☒ X

6 weeks to full semester

OTHER FORMAT (specify)

Mode of delivery (specify lecture, field trips, labs, etc)

lecture

**RECEIVED**

Governance

OCT - 6 2015

10/6/15

Dean's Office

College of Natural Science &amp; Mathematics

<b>9. CONTACT HOURS PER WEEK:</b>	<b>3</b>	LECTURE hours/weeks	<b>0</b>	LAB hours/week	<b>0</b>	PRACTICUM hours/week
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Note: # of credits are based on contact hours. 800 minutes of lecture=1 credit. 2400 minutes of lab in a science course=1 credit. 1600 minutes in non-science lab=1 credit. 2400-4800 minutes of practicum=1 credit. 2400-8000 minutes of internship=1 credit. This must match with the syllabus. See <http://www.uaf.edu/uafgov/faculty-senate/curriculum/course-degree-procedures-/guidelines-for-computing-/> for more information on number of credits.

OTHER HOURS (specify type)	
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**10. COMPLETE CATALOG DESCRIPTION including dept., number, title, credits, credit distribution, cross-listings and/or stacking (50 words or less if possible):**

*Example of a complete description:*

**FISH F487 W, O Fisheries Management**

**3 Credits Offered Spring**

Theory and practice of fisheries management, with an emphasis on strategies utilized for the management of freshwater and marine fisheries. *Prerequisites: COMM F131X or COMM F141X; ENGL F111X; ENGL F211X or ENGL F213X; ENGL F414; FISH F425; or permission of instructor.* Cross-listed with NRM F487. (3+0)

**MATH F230X Calculus Essentials with Applications**

**3 credits**

**An introduction to the key ideas of differential and integral calculus, and their uses in business, economics, and the sciences. This course emphasizes a solid conceptual understanding, along with calculation techniques for basic applications. Note: Credit cannot be earned for both MATH F230X and MATH F251X. MATH F230X cannot serve as a prerequisite for MATH F252X.**

*Prerequisites: MATH F122X or MATH F151X or MATH F156X or placement.*

**11. COURSE CLASSIFICATIONS:** Undergraduate courses only. Consult with CLA Curriculum Council to apply S or H classification appropriately; otherwise leave fields blank.

H = Humanities

S = Social Sciences

Will this course be used to fulfill a requirement for the baccalaureate core? If YES, attach form.

YES:

X

NO:

IF YES, check which core requirements it could be used to fulfill:

O = Oral Intensive, **Format 6**

W = Writing Intensive, **Format 7**

X = Baccalaureate Core

X

**11.A Is course content related to northern, arctic or circumpolar studies? If yes, a**  
**added in the printed Catalog, and flagged in Banner.**

**"snowflake" symbol will be**

YES

NO

**12. COURSE REPEATABILITY:**

Is this course repeatable for credit?

YES

NO

X

Justification: Indicate why the course can be repeated (for example, the course follows a different theme each time).

How many times may the course be repeated for credit?

TIMES

If the course can be repeated for credit, what is the maximum number of credit hours that may be earned for this course?

CREDITS

If the course can be repeated with variable credit, what is the maximum number of credit hours that may be earned for this course?

CREDITS

**13. GRADING SYSTEM: Specify only one. Note: Changing the grading system for a course later on constitutes a Major Course Change – Format 2 form.**

LETTER: ☒ X

PASS/FAIL: ☐

**RESTRICTIONS ON ENROLLMENT (if any)**

**14. PREREQUISITES**

MATH F122X or MATH F151X or MATH F156X or placement

These will be required before the student is allowed to enroll in the course.

**15. SPECIAL RESTRICTIONS, CONDITIONS**

**16. PROPOSED COURSE FEES**

\$25 Math Lab  
fee

Has a memo been submitted through your dean to the Provost for fee approval?

Yes/No

Yes

**17. PREVIOUS HISTORY**

Has the course been offered as special topics or trial course previously?

Yes/No

No

If yes, give semester, year, course #, etc.:

**18. ESTIMATED IMPACT**

WHAT IMPACT, IF ANY, WILL THIS HAVE ON BUDGET, FACILITIES/SPACE, FACULTY, ETC.

This will replace two current courses, enabling us to serve the same student population more efficiently. One of these (Math F222X) was a 4 credit course which caused major scheduling problems for SOM students. Expected impact is reduced costs, need for classroom space, and scheduling difficulties.

**19. LIBRARY COLLECTIONS**

Have you contacted the library collection development officer (kljensen@alaska.edu, 474-6695) with regard to the adequacy of library/media collections, equipment, and services available for the proposed course? If so, give date of contact and resolution. If not, explain why not.

No

X

Yes

Not needed

**20. IMPACTS ON PROGRAMS/DEPTS**

What programs/departments will be affected by this proposed action?

Include information on the Programs/Departments contacted (e.g., email, memo)

The two courses being replaced, Math F222X and F232X, serve primarily SOM and Biology and Wildlife students. SOM requested this change, and B&W has been informed and has expressed no concerns.

**21. POSITIVE AND NEGATIVE IMPACTS**

Please specify positive and negative impacts on other courses, programs and departments resulting from the proposed action.

SOM: a positive impact for students in reducing credit hours and scheduling conflicts.

B&W: a neutral change.

The course may also be useful to some less-quantitative majors not previously served by either of its predecessor courses.

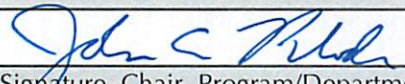



**JUSTIFICATION FOR ACTION REQUESTED**

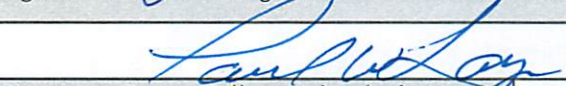
The purpose of the department and campus-wide curriculum committees is to scrutinize course change and new course applications to make sure that the quality of UAF education is not lowered as a result of the proposed change. Please address this in your response. This section needs to be self-explanatory. Use as much space as needed to fully justify the proposed course.

SOM expressed a desire to replace the current MATH F222X, Calculus for Business and Economics, with a 3-credit version. This enables us to combine the course with MATH F232X, Calculus for Life Sciences, which has had a small enrollment. Textbooks are available for a combined course, and it may also be of value to a larger pool of students than either of the current courses.



**APPROVALS: Add additional signature lines as needed.**

 Date 7/28/2015  
Signature, Chair, Program/Department of: Mathematics + Statistics

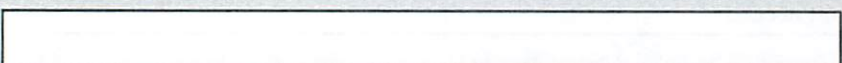
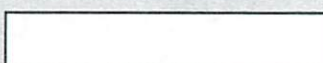
 Date 10-6-15  
Signature, Chair, College/School Curriculum Council for: CNSM

 Date 10/8/15  
Signature, Dean, College/School of: CNSM

Offerings above the level of approved programs must be approved in advance by the Provost.

 Date   
Signature of Provost (if above level of approved programs)

**ALL SIGNATURES MUST BE OBTAINED PRIOR TO SUBMISSION TO THE GOVERNANCE OFFICE**

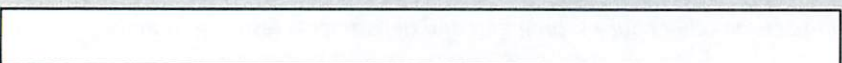
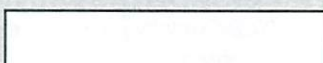

 Date 




Signature, Chair


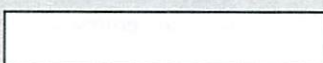
Faculty Senate Review Committee: ☐ Curriculum Review ☐ GAAC

☐ Core Review ☐ SADAC

**ADDITIONAL SIGNATURES: (As needed for cross-listing and/or stacking)**

 Date   
Signature, Chair, Program/Department of: 

 Date   
Signature, Chair, College/School Curriculum Council for: 

 Date   
Signature, Dean, College/School of: 

**ATTACH COMPLETE SYLLABUS (as part of this application).** This list is online at:

<http://www.uaf.edu/uafgov/faculty-senate/curriculum/course-degree-procedures-/uaf-syllabus-requirements/>

The Faculty Senate curriculum committees will review the syllabus to ensure that each of the items listed below are included. If items are missing or unclear, the proposed course (or changes to it) may be denied.

#### **SYLLABUS CHECKLIST FOR ALL UAF COURSES**

During the first week of class, instructors will distribute a course syllabus. Although modifications may be made throughout the semester, this document will contain the following information (as applicable to the discipline):

##### **1. Course information:**

☐ Title, ☐ number, ☐ credits, ☐ prerequisites, ☐ location, ☐ meeting time  
(make sure that contact hours are in line with credits).

##### **2. Instructor (and if applicable, Teaching Assistant) information:**

☐ Name, ☐ office location, ☐ office hours, ☐ telephone, ☐ email address.

##### **3. Course readings/materials:**

☐ Course textbook title, ☐ author, ☐ edition/publisher.  
☐ Supplementary readings (indicate whether ☐ required or ☐ recommended) and  
☐ any supplies required.

##### **4. Course description:**

☐ Content of the course and how it fits into the broader curriculum;  
☐ Expected proficiencies required to undertake the course, if applicable.  
☐ Inclusion of catalog description is *strongly* recommended, and  
☐ Description in syllabus must be consistent with catalog course description.

##### **5. ☐ Course Goals (general), and (see #6)**

##### **6. ☐ Student Learning Outcomes (more specific)**

##### **7. Instructional methods:**

☐ Describe the teaching techniques (eg: lecture, case study, small group discussion, private instruction, studio instruction, values clarification, games, journal writing, use of Blackboard, audio/video conferencing, etc.).

##### **8. Course calendar:**

☐ A schedule of class topics and assignments must be included. Be specific so that it is clear that the instructor has thought this through and will not be making it up on the fly (e.g. it is not adequate to say "lab". Instead, give each lab a title that describes its content). You may call the outline Tentative or Work in Progress to allow for modifications during the semester.

##### **9. Course policies:**

☐ Specify course rules, including your policies on attendance, tardiness, class participation, make-up exams, and plagiarism/academic integrity.

##### **10. Evaluation:**

☐ Specify how students will be evaluated, ☐ what factors will be included, ☐ their relative value, and ☐ how they will be tabulated into grades (on a curve, absolute scores, etc.) ☐ Publicize UAF regulations with regard to the grades of "C" and below as applicable to this course. (Not required in the syllabus, but is a convenient way to publicize this.) Link to PDF summary of grading policy for "C":

[http://www.uaf.edu/files/uafgov/Info-to-Publicize-C\\_Grading-Policy-UPDATED-May-2013.pdf](http://www.uaf.edu/files/uafgov/Info-to-Publicize-C_Grading-Policy-UPDATED-May-2013.pdf)

##### **11. Support Services:**

☐ Describe the student support services such as tutoring (local and/or regional) appropriate for the course.

**12. Disabilities Services:** Note that the phone# and location have been **updated**. <http://www.uaf.edu/disability/> The Office of Disability Services implements the Americans with Disabilities Act (ADA), and ensures that UAF students have equal access to the campus and course materials.

☐ State that you will work with the Office of Disabilities Services (208 WHITAKER BLDG, 474-5655) to provide reasonable accommodation to students with disabilities.

5/21/2013

UAF DEPARTMENT OF MATHEMATICS AND STATISTICS  
MATH F230X CALCULUS ESSENTIALS WITH APPLICATIONS  
3 CREDITS     MWF 1-2PM CHAPMAN 106 FALL 2016

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**Instructor Information:**

Instructor: Latrice Bowman    Office: Chapman 301E            Email: [lnbowman@alaska.edu](mailto:lnbowman@alaska.edu)  
Office Hours: M 11:45A-12:45P, W 2:15P-3:15P, F 9:15A-10:15A OR by pre-arranged  
appointment

**Prerequisites:** Math F122X or Math F151X or Math F156X or placement into this course.

**Textbook:** Brief Applied Calculus 7<sup>th</sup> edition by Berresford and Rockett. This text should come packaged with a WebAssign access code. If you did not buy this text through the bookstore you will need to purchase WebAssign access separately.

Students who prefer digital copies of the text are welcome to buy e-books as long as they also have HW access on WebAssign. Other materials needed for this course are Blackboard Access, UAF email, paper, pencil, and a non-graphing calculator.

**Software:**

Blackboard - all course materials including assignments will be posted on this site.

WebAssign - Students have the additional option of purchasing only the e-book w/homework through WebAssign

**Drop Date:** Please note that the University Drop Date **Sept 19 2016** deadline will be strictly enforced. Students who have missed 2 WebAssign or 1 in-class assignment by Thursday Sept 18, will be dropped from the course.

**Withdrawal Date:** Please note that the University Withdrawal Date **Oct 31, 2016** deadline will be strictly enforced. Students who have missed more than 5 class periods or whose weekly average has dropped below 50% for two consecutive weeks will be withdrawn from the course for non-participation.



**Grading Policy:** The final grade in this course will be determined as follows:

In-Class Problems	10%		A+	100	A	95-99
WebAssign	10%		A-	90-94	B+	87-89
Written Assignments	15%		B	84-86	B-	80-83
Exams (3)	45%		C+	77-79	C	74-76
Final Exam	20%		D	60-73	F	0-59

Grades are updated in Blackboard at least weekly and will be given out after each exam. **You need to earn a grade of C or better in this course to receive core credit and you will need to earn a grade of C.**

**Course Description:** This course gives an introduction to single-variable calculus. We will cover the following: limits including those with indeterminate form, continuity, tangents, derivatives of polynomials, exponentials, and logarithmic functions including product, quotient, and chain rules, and the mean value theorem; applications of derivatives, including graphing functions and rates of change; anti-derivatives, definite and indefinite integrals, methods for substitution in integrals, the Fundamental Rule of Calculus and other integration techniques; applications of integrals, differential equations, and applications applied to business, economics and the sciences.

### Learning Objectives

1. Students will have mastered the prerequisite material for the course.
2. Students master problem-solving skills.
3. Students will write mathematics properly
3. Students learn to manipulate abstract symbols.
4. Students will learn and appreciate the rigorous use of deductive arguments in mathematics.
5. Students learn a broad spectrum of mathematical applications:
  - a) Limits and continuity
  - b) Differentiation and integration
  - c) Optimization problems for ordinary and multivariate functions
  - d) Analysis of functions and their graphs
  - e) Apply objectives a – d to business, economics, and science applications

To do well in this course you should follow the Chapter modules as outlined in Blackboard. (It is your responsibility to keep up with the material and the due dates as you will not be excused from assignments because you fell behind or missed class). Each Blackboard module has information and resources available for you to complete the assignments. To help you do well on the assignments, you should attend class, you should NOT skip over areas and you should IMMEDIATELY get assistance if you have questions.

### Attendance-

This is a college-level course and as such you will be treated as adults. Attendance is encouraged to do well in this course. Assignments will not be postponed and in class work will not be made up due to non-attendance. Students are expected to show up to class prepared for group work, discussions and questions.

### Prerequisites-

Prerequisites for this course are checked prior to the start of this course. Students who do not have documented prerequisites will be dropped from the course. In addition, the first chapter of this course covers a review of your prerequisite material. If you do not have a solid foundation of the prerequisites you will have difficulty with this course.

### Chapter Modules-

For each chapter, the module begins with the objectives for the chapter, the reading assignment, and practice problems. You should spend a minimum of 1 hours per week completing this part of the module. For some sections you may find that the reading enough to get you through the assignment, however, for many sections if you do not fully understand the material you will struggle on the assignments. Therefore, it is strongly suggested that you attend all lectures, complete all practice and readings. In addition, information that will be further helpful in completing assignments will be given in lectures. So, though attendance is not mandatory, it will benefit you greatly.

### WebAssign-

Each module contains a WebAssign Assignment. WebAssign is an online homework system. The nice thing about WebAssign is the tutorial capabilities as well as the instant feedback. We will be using WebAssign for section mastery. For each section of the text, there is a WebAssign quiz. Each quiz consists of 5-10 problems and you will be allowed up to 20 attempts at each problem. These problems are a sample of problems found in the text and are foundation problems needed to solve the written assignments. You must score a minimum of 85% to move from one quiz to the next. These quizzes should be worked on daily as they have set due dates. WebAssign quizzes are due daily. Students who do not complete the WebAssign by the due dates listed in Blackboard will receive the grade earned for those quizzes and the next set will open (you will be able to review past quizzes but you will not be able to change the scores after the due date). If you miss the due date you will not be able to make up these quizzes. You will be allowed to get extensions on three quizzes during the semester, so use them wisely. Students should spend a minimum of 3 hours per week on the WebAssign assignments.

### Personal Study Plan (PSP)-

WebAssign has a personal study plan (PSP) to help you pinpoint the sections/topics needing more of your attention. The PSP can be worked on by section or by chapter. The use of the PSP is for Extra Credit at the end of the semester. Students who have completed any of the PSP by Friday Dec 12 will receive 5% of their completed PSP added to their overall grade. If you have completed the WebAssign



quizzes, the written assignments, and have reviewed your graded work, the PSP should take no more than 1 hour per week. Students can also use the PSP during the first week to review Prerequisite material. This is the only extra credit I will give so please take advantage of it.

#### In Class Problems-

Each week you will be given some problems to work on in class. These problems are due at the end of that class and will be based on material in the WebAssign, videos and practice for that week. The class period prior to this we will have some time for clarification of material and time for your questions. In class problems will be worked on in groups where each student is expected to contribute to the group while submitting their own work. Groups will be randomized each week so that students will have a chance to work with various others in the course.

#### Written Homework-

Each week there will be a written homework based on the lectures, the WebAssign quizzes and the in class problems. One of the student learning outcomes for this course is for students to show they understand mathematical notation and can write out clear mathematical solutions. Written homework should be completed after having completed the WebAssign assignments (this is not required but is strongly suggested). (it has been shown in other courses, that students who attempted the written work without having completed the WebAssign usually scored 20% lower than students who had done the WebAssign first). Written assignments are due at the beginning of class on the due date. The assignments will be graded and returned by within two class periods. Solutions to the written assignments will be posted in Blackboard after class on the day they are due. You should spend no more than 4 hours per week on the written work. Like the WebAssign, you should allow time to work on the assignments. Starting these the day they are due is likely to result in lower grades.

***Late written assignments will not be accepted under any circumstances. Assignments are due at the beginning of class. If you cannot attend class, you can submit your assignment in Blackboard (as a single PDF file) or you can put your assignment in my mailbox (Chapman 101) or you can fax the assignment to 474-5394, or you can scan the assignment and email it to me. All assignments are posted the as of the first day of class so THERE WILL BE NO EXCEPTIONS TO THIS POLICY. You will need to plan ahead and make sure your work is submitted on time.***

Questions to homework problems should be asked prior to submitting the assignment- there are office hours throughout the week, one-on-one tutoring offered daily in Eielson 302 and the Math and Stat Lab is open daily. There is no good excuse for questions to go unanswered. Again, solutions will be posted in Blackboard. You are encouraged to review these along with the graded work and ask questions, if there is something that you do not understand.

#### Examinations-

For this course, you have four exams: three content mastery exams and the comprehensive final. All of the exams are paper/pencil, timed, and are taken during class. It is your responsibility to complete the coursework by the due dates and review the material to be prepared for the exams. You will be allowed to retake each of the content exams once, provided you have completed the WebAssign chapter review by the dates listed in the schedule. If you are eligible for a retake you will receive notice with your graded exam, and you will need to schedule a time with me for the retake (exam retakes will usually be given the Tuesday- Thursday after the exam). The retakes will cover the same content as the original exam but will not be the same exam. Your exam score will be the AVERAGE of the original and the retake. Exams are closed book and closed notes. Some exams you will be allowed the use of a non-graphing calculator. You will be given this information ahead of time. Students are required to take the Final Exam in order to receive a grade other than F and students must earn at least 60% on the final exam in order to receive a passing grade in this course. In other words, you need to be able to show that you have learned a little over half of the material that we will be covering in this course.

#### Course Schedule:

There are fifteen weeks in this semester and this is a 3-credit course. To earn at least a C grade you should expect to spend a minimum of nine hours a week on this course outside of class (that is a total of twelve hours per week on this course). See the breakdowns in the descriptions above to understand where and how much time you should be allotting to different aspects of this course. If you have difficulty keeping up with the material in this course, you should contact your instructor for options immediately. See the attached calendar for more course details.

\*Any student that has not completed the required prerequisites for this course will be dropped.

\*\*Any student that has missed more than 5 class periods or whose weekly average has dropped below 50% for two consecutive weeks by Wednesday October 29, will be withdrawn from the course. This is equivalent to missing more than a chapter's worth of work.

#### Additional Support:

**Online Tutoring:** Free online tutoring is available through Blackboard to any student registered in a UAF MATH course.

**The Math and Stat Lab:** If you need extra help, there is free tutoring available. The Math and Stat Lab is located in CHAP 305 and is staffed by Math Graduate students, upper-division Math students and Math faculty. This lab operates on a walk-in basis and schedules are posted that provide tutor times.

**One-on-One Tutoring:** If the lab is too busy for you and you would like individualized tutoring for 30-60 minutes, you can set up an appointment to meet with a tutor.

SSS (Student Support Services) provides one-on-one tutoring to students who satisfy the requirements of the program. In addition to math tutoring SSS provides, advising, all core subject tutoring, laptop rentals and some other services.

**Office of Disability Services:** This office implements the Americans with Disabilities Act (ADA), and insures that UAF students have equal access to the campus and course materials. State that you will work with the Office of Disabilities Services (203 WHIT, 474-7043) to provide reasonable accommodation to students with disabilities. Please provide current accommodation paperwork to your instructor by September 12.

**Tentative Course Schedule-** Due to the variation between classes we may tend to move quicker or slower than the outline below. In such a case we may adjust the course schedule and changes will be posted in Blackboard.

MATH F230X Fall 2016				
Date	In Class Work	Online Work Due	Homework Due	Important Information
Week 1	Introduction, Real Numbers Review	Webassign intro		First Day of Class Sept 3
Week 2	Functions	Quizzes 1A-1C	Ch 1A	
Week 3	Exponents and Logarithms	Quizzes 1D-1F	Ch 1B	Last day to Drop Sept 18
Week 4	Exam 1	Chapter Reviews	Ch 1C	
Week 5	Limits	Quizzes 2A-2C	Ch 2	
Week 6	Derivative Introduction	Quizzes 3A-3C	Ch 3A	
Week 7	Derivative Rules	Quizzes 3D-3F	Ch 3B	
Week 8	Using Derivatives	Quizzes 4A-4C	Ch 4A	
Week 9	Applications of Derivatives, Exponents and Logarithms	Quizzes 4D-4F	Ch 4B	Last Day to Withdraw Oct 31
Week 10	Exam 2	Chapter Reviews	Ch 4C	
Week 11	Integration Introduction	Quizzes 5A-5C	Ch 5A	
Week 12	Fundamental Theorem of Calculus	Quizzes 5D-5F	Ch 5B	
Week 13	Integration Techniques	Quizzes 6A-6C	Ch 5C	
Week 14	Integration Applicatons	Quizzes 6D-6F	Ch 6A	
Week 15	Exam 3	Chapter Reviews	Ch 6B	Last Day of Instruction Dec 14
Final Exam	The time for the final is listed under the Core Math Final Exam time: Sat Dec 19 10:15am-12:15pm			