St. Petersburgh College
MAC 2233 – Applied Calculus - Online (Class Number 2132), Fall, 2014

Instructor: Tony Long
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Office: SA 241
Office hours: M,W 3:00-7:00 pm, 8:15-9:00 pm
T,Th 7:00-8:00 am, 10:15-11:00 am, 12:15-2:00 pm

Department: Mathematics (SA 215)
Department Chair: David Kolonoski
Office Phone: (727) 341-4618
Dean of Mathematics: Jimmy Chang
Math Office Phone: (727) 341-3573

Required Text: A MyMathLab Access Code is required to participate in this course. The access code includes access to MyMathLab, an online copy of the textbook, an online copy of the student's solutions manual, a multimedia library including lecture videos, and more. The access code can be purchased alone or packaged with a regular hardcover textbook.

Required: Standalone MyMathLab code: 9780321199911
Optional: Bittinger Calculus and Its Applications 10e bound book + MML code: 0780321760005

Suggested Calculator TI-83, TI-84, or TI-84 Plus. A Calculator is Strongly Recommended.

Course Description Prerequisite: MAC 1105, or MAC 1106, or satisfactory score on the SPC mathematics placement test or program director approval. This course is a geometric and heuristic approach to calculus: differentiation and integration of algebraic and exponential, and logarithmic functions, applications to graphing, marginal analysis, optimization and areas. This course cannot be used to satisfy requirements of students majoring in mathematics or engineering. Credit is only given for MAC 2233 or MAC 2311 or MAC 2311H.

Course Objectives http://www.spcollege.edu/se/Math/SECourseDescs/MAC2233.pdf

Important Dates: http://www.spcollege.edu/calendar
Course Dates: 8/18/2014 – 12/11/2014
Deadline to drop with refund: 8/22/2014
Deadline to withdraw without refund: 10/23/2014
Proctored Midterm Exam: no midterm in my class
Proctored Final Exam: 12/5, 12/6, or 12/7/2014. Specific testing information will be given to the class at a later date.

Course Requirements All assignments for the week, unless otherwise noted, are due on Sunday at 11:00 p.m. (at the end of the week in which they are assigned) IMPORTANT: Please do not wait until the last minute to complete the Unit Tests (no later than 11:00PM Monday.) If possible, try to complete them on the weekend of that week… in that way, if you have trouble with the Test Reviews, you’ll be able to seek help before it is too late.

Homework Assignments 10% of Final Grade At the end of each lesson in the MML online curriculum, there is a Section Homework Assignment. This class is set up to encourage Mastery Learning, so you may rework any Homework Assignment to get a perfect score (unlimited attempts); however, the computer will use the highest score to average your final grade in the course. You may use your book and your notes while working on the Homework. At the end of the class, any Homework Assignment not taken by December 5, 2014 will be assigned a zero (0). If you have difficulty with a problem, do not stop once you get the problem correct. There are several tools available for each problem (Help Me Solve This, View an Example, Video, Textbook).

Section Quizzes 20% of Final Grade At the end of each lesson in the MML online curriculum, there is a Section Quiz. This class is set up to encourage Mastery Learning, so you may retake the any Quiz (a maximum of 3 attempts); however, the computer will use the highest of your three scores to average your final grade in the course. You are expected to not use your book nor your notes during the Quiz. Any Section Quiz not taken by its respective deadline will be assigned a zero (0).

Unit Tests (40%) of Final Grade You will be taking four (4) online Unit tests according to the Class Schedule. These tests (1 attempt), as well as their reviews, can be found in MyMathLab. It is your responsibility to complete those tests by the deadline. A student missing the test deadline for ANY reason will receive a zero for that test. It is advisable you take the review multiple times in order to better prepare for the actual test. You may not use your book...
or your notes during the Unit Tests. Each Unit Test is timed.

**ANGEL Materials:**

There is a required User Agreement in Angel that you must complete in order to gain access to the required course materials. You must login into our Angel course at least once each week. Here are some tips about using the Angel course:

- Log in to ANGEL (https://angel.spcollege.edu) to confirm that you have access. Email me or phone me if you do not see our class in ANGEL.
- Report any problems to the SPC Student Technical Call Center at 727 341-4357 or via email at Onlinehelp@spcollege.edu.
  The website is http://www.spcollege.edu/ecampus/help/technical/tech_help.shtml.
- In order to better serve our faculty and students, we are asking that both the instructor and student use the Log Off button when completing online course work. By logging off, ANGEL server space is freed, and therefore, optimizing the system.
- If you are interested in learning more about Angel, you will find tutorials at http://it.spcollege.edu:8500/edtech/trainingCentral/angel/stututorials/index.cfm.

**Midterm Exam – there is no Midterm Exam in my class.**

**Final Exam -- Proctored (Supervised) Exam 30% of Final Grade** For all students, the Final Exam must be taken by the scheduled date according to the Class Schedule. This exam is timed, and **MUST be proctored (supervised)** at an educational facility near you. If you live in Pinellas County, you are expected to take the Final Exam on one of SPC's campuses as outlined in the Exam Schedule document. Reference the document regarding the Final located inside the respective folder. Your score on the Final Review should be at least an 80% in order to maximize your opportunity for success on the Final Exam. A student missing the exam deadline for ANY reason will receive a zero for the exam. **To pass this class, you must earn at least a 70% on the final exam.** After the exam, anyone not meeting the required minimum score will be contacted. All OSSD students must provide appropriate documentation if they need special arrangements for testing and must make arrangements for their testing.

**Course Links**

**Mymathlab Student Support:**

http://www.mymathlab.com/contactus_stu.html

**Mymathlab Home:**

http://www.mymathlab.com/

eCampus Home

http://www.spcollege.edu/ecampus/

**Angel:**

angel.spcollege.edu

**Syllabus Addendum:**

http://www.spcollege.edu/central/asa/addendum.htm
Grading Policy
Course letter grades will be determined based on the following scale:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90 - 100</td>
</tr>
<tr>
<td>B</td>
<td>80 - 89.5</td>
</tr>
<tr>
<td>C</td>
<td>70 - 79.5</td>
</tr>
<tr>
<td>D</td>
<td>60 - 69.5</td>
</tr>
<tr>
<td>F</td>
<td>Below 60</td>
</tr>
</tbody>
</table>

Grades of "I" (Incomplete) are NOT given in this course. If you do not complete the course by the scheduled final date, you will receive an "F" for the course. Total course grade points will consist of an aggregate of points from the following areas:

- 30% - Final Exam
- 40% - Tests (10% each)
- 20% - Section Quizzes
- 10% - Homework

State policy specifies that students may not repeat a college credit course for which a grade of “C” or higher has been earned except by appeal to the campus Academic Appeals committee. You may repeat a college credit course one time without penalty. At the third attempt, you will pay the full cost of instruction. The full cost of instruction rate for the academic year is stated in the course catalog. In addition, at the third attempt you may NOT receive a grade of “I,” “W,” or “X,” but must receive the letter grade earned. This grade will be averaged into your overall grade point average.

Attendance Policy
The college-wide attendance policy is included in the Syllabus Addendum http://www.spcollege.edu/central/asa/addendum.htm For this class, attendance is defined as follows: Students are required to logon to ANGEL on a regular basis, complete all assignments, tests, and exams on or before the due dates, and to interact with your professor and peers. Professors will verify that students are in attendance at least once each week during the first two weeks of class. Students classified as “No Show” for both of the first two weeks will be administratively withdrawn. Immediately following the 60% point of the term, each instructor will verify which students are actively participating in class. Students classified as not meeting the criteria for active class participation will be administratively withdrawn with a “WF”. Active class participation for this class is defined as responding to emails and/or posting to the discussion board as required by your instructor as well as completing Evaluates, Tests, and Exams by the required deadlines. If a student fails to complete Test 1, Test 2, and the majority of the quizzes for these chapters by their respective deadlines, then by the 60% point of the term he/she will be classified as not actively participating and will be administratively withdrawn from class. Students will be able to withdraw themselves at any time during the term up until the last date to withdraw. Students and instructors will automatically receive an e-mail notification to their SPC email whenever a withdrawal occurs.

Test & Exam Policy
You will be allowed to retake or makeup one (1) test at the end of the semester. Instructions about this policy will be e-mailed toward the end of the semester. Tests that are retaken will receive the score on the retake, even if that score is lower. Students missing a Test or the Exam for any reason will receive a zero (0) in the gradebook.

The Final Exam MUST be taken in a proctored environment.

Online Final Exam Testing Information
You do not need to bring your book to the exam. A non-graphing, scientific calculator may be used for your exam. Refer to http://www.spcollege.edu/ecampus/cyberadvisor/testing_dates.htm for details about online proctored testing.

The Final is proctored and available at the following campus locations:
- Seminole, 9200 113th St. N., Seminole, TL 104, 727-394-6006 and 727-394-6270
- St. Petersburg/Gibbs, 6605 5th Ave. N. St. Petersburg, TE 200, 727-341-3512
- Clearwater, 2465 Drew St., Clearwater, LA 100, 727-791-2491 or 727-791-2645
- Tarpon Springs, 600 Klosterman Rd, Tarpon Springs, BB 119 & 211

Refer to http://www.spcollege.edu/ecampus/cyberadvisor/testing_pinellas.htm for instructions about signing up for your proctored exams.
Out of Area:
Students who do not live in the Pinellas County or surrounding areas need to identify a proctor the beginning (week 2) of each semester. They can access the Designate a Proctor Form at the following website: http://www.spcollege.edu/ecampus/cyberadvisor/testing_outside.htm. I do not use ProctorU, so you must designate a proctor if you do not plan to test at one of the SPC proctored testing sites.

Testing Information for Students:
- You must make an appointment
- Arrive on time for your appointment
- Bring Photo ID
- Bring teacher name and course information
- OSSD students bring accommodation requirements

Restricted:
- No backpacks
- No electronic devices (including cell phones)
- No programs or notes saved in calculators
- No food or drink
- No unauthorized materials, browsers, windows, or applications

Testing Dates and Times for Fall (485) Term:

Final Exams Held at Four campuses-TS, CL, SE and St.P/G:
Friday December 5, 2014 8:00pm-3:00pm
Saturday December 6, 2014 8:00am-3:00pm
Sunday December 7, 2014 11:00am-4:00pm

Academic Integrity St. Petersburg College has an Academic Honesty policy. It is your responsibility to be familiar with the policies, rules, and the consequences of violations. There is no tolerance for cheating and academic dishonesty. Discipline can range from a zero on a specific assignment to expulsion from the class with a grade of F. Note that copy/pasting published information, whether it's from your textbook or the Internet, without citing your source is plagiarism and violates this policy. Even if you change the words slightly the ideas are someone else's so you still have to cite your sources. Cheating, plagiarism, bribery, misrepresentation, conspiracy, and fabrication are defined in Board Rule 6Hx23-4.461. Student Affairs: Academic Honesty Guidelines, Classroom Behavior. http://www.spcollege.edu/academicihonesty/

Disability Policy If you wish to request accommodations as a student with a documented disability, please make an appointment with the Learning Specialist on campus. If you have a documented hearing loss, please contact the Program for the Deaf/Hard of Hearing at 727-791-2628. The Office of Services for Students with Disabilities can be reached at 791-2628 or 791-2710 (CL), 341-4758 (SP/G), 394-6108 (SE), 712-5789 (TS), 341-3721 (HEC) or 341-4532 (AC). http://www.spcollege.edu/webcentral/catalog/Current/ossd.htm

Miscellaneous

What Students can expect from Instructor The instructor will establish and maintain, with your involvement and help, a safe, comfortable learning environment in which your opinions and thoughts are valued. The instructor will make meaningful assignments designed to broaden your knowledge and help improve your ability to problem solve utilizing the critical thinking skills developed in the study of Mathematics.

Dual Enrollment, Early Admissions, & Early College Students Dual Enrollment, Early Admissions, or Early College student may not withdraw from any college level course without consultation with the Early College/Dual Enrollment office. Withdrawal from a course may jeopardize the student's graduation from high school. The Dual Enrollment office can be reached at 712-5281 (TS), 791-5970 (CL) or 394-6000 (SE).

Angel Maintenance The ANGEL system will be completely unavailable due to scheduled maintenance from: TBA.
## Problems

### R.3
7, 9, 17, 25, 31, 37, 43, 45, 51, 57

### R.4
23, 29, 33, 39, 43, 49, 65, 69, 77, 81, 87

### R.5
1, 7, 9, 11, 15, 23, 27, 33, 45

(Quizzes 1 - 2)

### Chapter 1

#### 1.1
1-79 eoo (every other odd), 83, 89, 95

#### 1.2
1-75 eoo

#### 1.3
1-23 eoo, 29, 33, 41, 47, 53

#### 1.4
1-23 odd, 27, 43, 47, 51, 55

#### 1.5
1-85 odd, 89, 95, 107, 111, 119

#### 1.6
1-99 odd, 103, 107, 111, 119

#### 1.7
1-61 odd, 75, 81, 83

#### 1.8
1-35 odd, 45, 49, 57, 71

(Quizzes 3-10)

### Test Review 1

#### Test 1

### Chapter 2

#### 2.1
1-35 odd, 71, 75, 81, 87, 91, 95

#### 2.2
1-55 eoo, 107

#### 2.3
1-55 eoo, 57, 59, 63, 67, 73-79 all

#### 2.4
1-85 eoo, 103, 105, 107, 109

#### 2.5
1-17 odd, 23-29 odd, 39, 45, 51, 57

#### 2.6
1-19 odd

#### 2.7
1-37 odd, 45, 49, 57, 71

(Quizzes 11 – 17)

### Test Review 2

#### Test 2

### Chapter 3

#### 3.1
11-53 odd, 57, 63, 75-87 odd, 93, 95

#### 3.2
41-89 odd, 93, 97, 101, 111

#### 3.3
1, 5, 9-19 odd, 23, 31, 43

#### 3.4
1-23 odd, 31, 39

#### 3.5
1-41 odd, 47, 51

#### 3.6
1-15 odd

(Quizzes 18 – 23)

### Test Review 3

#### Test 3

### Chapter 4

#### 4.1
1-71 odd, 75, 79, 81, 85

#### 4.2
1-11 odd, 31-39 odd

#### 4.3
1-13 odd, 17, 25-33 odd, 37, 43-57 odd, 63, 69, 77, 85, 93-103 odd

#### 4.4
1-37 odd, 41, 45, 49, 51, 63, 67

#### 4.5
1-59 odd, 65, 69, 73, 75, 85, 93

(Quizzes 24-28)

### Final Exam