

## MATH 206 ONLINE – CALCULUS II CRN 61405 (4 Credits)

INSTRUCTOR:	Jody-Lynn Storm
OFFICE:	Mana'opono 105A
OFFICE HOURS:	Monday – Friday 10:00 am – 11:00 am And by appointment
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EFFECTIVE DATE:	Spring 2016

### WINDWARD COMMUNITY COLLEGE MISSION STATEMENT

*Windward Community College offers innovative programs in the arts and sciences and opportunities to gain knowledge and understanding of Hawai'i and its unique heritage. With a special commitment to support the access and educational needs of Native Hawaiians, we provide O'ahu's Ko'olau region and beyond with liberal arts, career and lifelong learning in a supportive and challenging environment — inspiring students to excellence.*

### COURSE DESCRIPTION

Differentiation and integration concepts of trigonometric, exponential, logarithmic and hyperbolic functions. Integration implements, infinite series, and applications of derivatives and integrals are also featured. (4 hours lecture)

Pre-Requisite(s): Grade of "C" or better in MATH 205 or equivalent or consent of instructor.

### STUDENT LEARNING OUTCOMES

Upon completion of the course, the student will be able to:

1. Apply limits, derivatives, and integrals to inverse functions, logarithmic, exponential, hyperbolic, and inverse trigonometric functions.
2. Utilize various techniques of integration.
3. Determine whether a sequence or series converges.
4. Use concepts from the course to solve problems.
5. Solve differential equations.
6. Utilize precise mathematical language and symbols to effectively communicate mathematics in written and/or oral form.

Note: All SLO assessments are embedded in class activities, homework, quizzes, or Exams.

## LEARNING RESOURCES & MATERIALS

### REQUIRED MATERIALS:

- 1) **MyMathLab (MML) Access Code**. MML comes with the eBook: Single Variable Calculus for Scientists and Engineers, by Briggs & Cochran. You may purchase the MML access code from our bookstore or directly online from the publisher.
  - a. If purchasing through our bookstore you will receive a MML access code bundled with a paperback copy of the textbook. If you are purchasing the access code directly online you will have access to the eBook, but will not have a hardcopy of the textbook.
  - b. Register for the MML course online at <http://pearsonmylabandmastering.com/> with Course ID: **storm78387**. Registration instructions are located in Lulima under 'Resources'. If you already have a MML account on your MML page click on 'Enroll in a Course' and when prompted enter Course ID# **storm78387**. If you already have an MML account with the assigned eBook you may not have to pay for the course.
  
- 2) Calculator: TI-83 or TI-84 (any model)

### WCC RESOURCES:

- Supplemental Instruction Leader (SIL): Kat Bronston  
Email: [kb420@hawaii.edu](mailto:kb420@hawaii.edu)
- WCC Math Lab: La`akea (Library Learning Commons) Room 220  
[http://windward.hawaii.edu/About\\_WCC/Math\\_Lab/index.php](http://windward.hawaii.edu/About_WCC/Math_Lab/index.php)
- WCC Testing Center: La`akea (Library Learning Commons) Room 228  
Phone number: (808) 235-7498  
[http://windward.hawaii.edu/Testing\\_Center/index.php](http://windward.hawaii.edu/Testing_Center/index.php)

### UH SYSTEM RESOURCES:

- UH Testing Sites <http://www.hawaii.edu/dl/testcenters>
- Distance Learning Homepage <http://www.hawaii.edu/dl/home>

### ONLINE TUTORING RESOURCES:

- Brainfuse Online Tutors: <http://windward.hawaii.edu/brainfuse/>
- OLA (UH online tutoring program): <http://manoa.hawaii.edu/ola/>
- Wolfram Alpha: <http://www.wolframalpha.com>
- Khan Academy Videos: <http://www.khanacademy.org>

## COURSE TASKS & GRADING

Grades are posted on the Laulima Gradebook. Grades for this course are based on the following course tasks:

4 unit exams @ 100 pts. ea.	400 pts.	55% of possible pts.
Final Exam	145 pts.	20% of possible pts.
MyMathLab Homework	180 pts.	25% of possible pts.
Total	725 pts.	

Each letter grade for the course will be assigned according to the level of achievement as provided in the table below:

<u>Letter Grade</u>	<u>Definition</u>
A	90% - 100% of the cumulative points possible
B	80% - 89% of the cumulative points possible
C	70% - 79% of the cumulative points possible
D	60% - 69% of the cumulative points possible
F	Less than 60% of the cumulative points possible
N	See below
CR	70% or above of the cumulative points possible
NC	Less than 70% of the cumulative points possible
W	Official Withdrawal
I	Incomplete

Note: The N grade indicates that the student has worked conscientiously, attended class regularly, finished all work, fulfilled course responsibilities, and has made measurable progress. However, either the student has not achieved the minimal student learning objectives and is not yet prepared to succeed at the next level, or the student has made consistent progress in the class but is unable to complete the class due to extenuating circumstances, such as major health, personal, or family emergencies.

Note: CR/NC grades require written instructor consent. Students must apply for CR/NC grading option at the WCC Admissions Office by the posted deadline.

Note: The W grade is given only when the student officially withdraws from the course by the posted deadline.

Note: The I grade is a temporary grade given at the instructor's option when a student has failed to complete a small part of a course because of circumstances beyond his or her control.

A student may qualify for the I grade if (a) they are unable to take the final exam and (b) taking the final exam could possibly raise their course grade.

## ADDITIONAL INFORMATION

### COMMUNICATION

The preferred form of communication is via email. The phone listed on this syllabus is my office phone, which I only check when I am on campus. I will make every effort to reply to your email within 24 hours. Weekends and holidays may have a longer response time.

### EXAMS

1. Exams will be available for 5 days at your assigned proctoring site. The 4 unit exams are paper/pencil exams. The final exam will be given through MyMathLab. The option to show your work on scratch paper or directly on the MyMathLab program will be available for the final exam.
2. Proctoring policy requires that the exams be submitted to the respective proctoring sites at least 5 days before they are available to students. The dates cannot be changed once the proctoring form is submitted. If you know in advance that you will be unable to take an exam during the assigned period it may be possible for you to take the exam earlier than the specified dates, provided I receive the request at least 2 weeks before you wish the exam to be administered.
3. If there is an emergency preventing you from taking an exam during the assigned period, then a make-up exam will be scheduled. Make-up exams are scheduled at the end of the semester. No more than one make-up exam may be taken.
4. There are no retests for exams. The final exam is cumulative.
5. I will send an email request for your preferred testing site the first week of class with a deadline to reply. If you do not reply to the email then your testing site will default to WCC. Any request to change your testing site should be sent to me via email at least 10 days before the next scheduled exam.

### CALCULATORS

Some problems require the use of a graphing calculator. You are free to use any type of graphing device for homework problems, but may only use a TI-83 or TI-84 graphing calculator (any model) on exams. You may not use higher models, such as the TI-89 or the TI-Nspire on exams.

### SUPPLEMENTAL INSTRUCTION (SI)

For each hour of SI one point will be added to the MyMathLab Homework portion of your grade. SI points can potentially push the MyMathLab Homework points up to 185 points (5 points over the 180 allotted MyMathLab homework points). SI sessions are optional.

## HOMEWORK

Homework is assigned through MyMathLab

- a) Assignments are due on Sundays by 11:59pm
- b) There will be a 20% point deduction for late submissions
- c) Final submission will be on May 8, 2016 by 11:59pm
- d) After section 7.6 there will be homework problems in MyMathLab that will have the 'Show work' feature enabled. Although using the 'Show work' feature is optional, in most cases you will be able to earn extra credit points by using this feature.

As mathematics requires practice to fully understand the material, you may need to do more than the assigned homework problems to become comfortable with the concepts and skills.

## GRADING

To receive full credit on exams and extra credit problems you must show sufficient work in a clear and organized manner. Messy and/or disorganized work will not receive full credit.

## ACADEMIC HONESTY

All exams must be done by your own individual effort. You may not consult with any classmates regarding the exams. This would fall under the guidelines of academic integrity and any evidence of cheating will result in a score of 0 for all parties involved. See <http://windward.hawaii.edu/Policies/> for more information on the UH system-wide student conduct code.

### DISABILITIES ACCOMMODATION STATEMENT

*If you have a physical, sensory, health, cognitive, or mental health disability that could limit your ability to fully participate in this class, you are encouraged to contact the Disability Specialist Counselor at your campus to discuss reasonable accommodations that will help you succeed in this class. Ann Lemke, the WCC Disability Specialist Counselor, can be reached at (808) 235-7448, [lemke@hawaii.edu](mailto:lemke@hawaii.edu), or you may stop by Hale 'Akoakoa 213 for more information, or visit <http://windward.hawaii.edu/Disabilities/>*

## STORM: SPRING 2016 MATH 206 ONLINE SCHEDULE

Important Dates	
JAN 15	Last day to register/add/drop and to receive 100% refund of tuition
FEB 1	Last day for 50% refund of tuition and to withdraw without a "W" grade.
MAR 29	Last day to withdraw with a "W" or choose CR/NC grade option. Last day to make up "I" grade from previous semester

Week	Dates (Mon - Sun)	MyMathLab Assignments Due Sunday by 11:59 pm
1	1/11 - 1/17	7.1
2	1/18 - 1/24	7.2, 7.3
3	1/25 - 1/31	7.4, 7.5
4	2/1 - 2/7	7.6
EXAM 1 (7.1-7.6) Available at your testing site 2/8-2/12		
5	2/8 - 2/14	7.7, 8.2
6	2/15 - 2/21	8.3, 8.4
7	2/22 - 2/28	8.5, 8.6
EXAM 2 (7.7, 8.2-8.6) Available at your testing site 2/29-3/4		
8	2/29 - 3/6	8.7, 8.8
9	3/7 - 3/13	10.1, 10.2
10	3/14 - 3/20	10.3, 10.4
11	3/21 - 3/27	Spring Break
EXAM 3 (8.7, 8.8, 10.1-10.4) Available at your testing site 3/28-4/1		
12	3/28 - 4/3	10.5, 10.6
13	4/4 - 4/10	11.1, 11.2
14	4/11 - 4/17	11.3, 11.4
EXAM 4 (10.5, 10.6, Ch11) Available at your testing site 4/18-4/22		
15	4/18 - 4/24	9.1
16	4/25 - 5/1	9.2, 9.3
17	5/2 - 5/8	9.4, 9.5
18	5/9 - 5/15	Final Exam Review Week
FINAL EXAM (Cumulative) Available at your testing site 5/9-5/13		