

## MATH 206 – CALCULUS II (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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WEBSITE: <http://www.jodystorm.com>  
EFFECTIVE DATE: Spring 2016

CRN	Days	Time	Classroom
61034	MWF	8:30 am – 9:45 am	Mana’opono 114

### 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:

- Textbook: Single Variable Calculus for Scientists and Engineers, by Briggs & Cochran, bundled with MyMathLab (MML)
  - If preferred you may just use the eBook on MML
- MML Access Code with eBook
  - Register online at <http://pearsonmylabandmastering.com/>
  - Use Course ID: **storm31117**
- Calculator: TI-83 or TI-84 (any model)

### LEARNING RESOURCES:

- Supplemental Instruction Leader (SIL): Kat Bronston  
Email: [katbronston@gmail.com](mailto:katbronston@gmail.com)
- 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)
- The Testing Center (TTC): La'akea (Library Learning Commons) Room 228  
Phone: (808) 235-7498  
[http://windward.hawaii.edu/Testing\\_Center/index.php](http://windward.hawaii.edu/Testing_Center/index.php)
- 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 Lualima gradebook. Grades for this course are based on the following course tasks:

4 unit exams (100 pts. each)	400 pts.	55% of possible pts.
Final Exam	145 pts.	20% of possible pts.
Course Activity:		
Graded Problems	145 pts.	20% of possible pts.
MyMathLab	35 pts.	5% 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	See below

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.

The N grade is contingent upon the instructor's approval.

Note: CR/NC grades require written instructor consent. Students must apply for CR/NC grading option at the 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 discretion 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

### ABSENCES

It is your responsibility to attend class. If you are absent, you are responsible for any important announcements or assignments given during the class you missed. It is your responsibility to meet with me to review any missed lecture material. Please do not send email requests for missed lecture material.

## MAKE-UP POLICY

Exams will be available for at least 3 days in the Testing Center. If you know in advance that you will be unable to take an exam during the assigned period, discuss your situation with the instructor. It may be possible for you to take the exam earlier than the specified dates. If there is an emergency preventing you from taking an exam during the assigned period, a make-up exam will be scheduled. For each student, only one make-up exam may be taken. Make-up exams are scheduled at the end of the semester. There are no make-up opportunities for assigned graded problems.

## 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 (any model) on exams. You may not use other models, such as the TI-89 or the TI-Nspire on exams.

## EXAMS

There are no retests for exams. The final exam is cumulative.

## HOMEWORK

There is one homework assignment per textbook section. Most of the assignments will be given in two parts:

- 1) MyMathLab Assigned problems
  - a) Submitted online
  - b) Due on the first day of each exam period
  - c) 20% point deduction for late submissions
- 2) Assigned graded problems from the textbook.
  - a) 5 pts. each
  - b) Must be turned in at the start of class
  - c) No late submissions

I encourage you to work with your fellow classmates on homework assignments. However, the write up of the solution for each problem must be done on your individual effort.

Assignments and due dates are posted on the instructor's webpage. You may need to do more than the assigned homework problems to become comfortable with the concepts and skills.

## SUPPLEMENTAL INSTRUCTION

SI sessions are optional. For each hour of SI, 1 point will be added to the Course Activities portion of your grade. The SI points earned can potentially push your Course Activities portion of your grade to 185 points (5 points over the 180 points allotted).

*This class is supported by the Supplemental Instruction (SI) program. SI is a FREE, collaborative, peer-study program that helps students succeed in difficult classes. Your SI Leader is a peer who has taken this class (or a higher level class) previously and has an understanding of the course material. In SI sessions, students will work together with the SI Leader to explore important concepts, review class notes, discuss test taking strategies, and review for tests. All students in this class are encouraged to attend!*

*Note: At WCC, students who attend SI sessions earn A, B, and C grades at nearly a 20% higher rate than non-attendees and are less likely to withdraw from their courses. WCC data has also shown that the more sessions students attend, the more likely they are to pass.*

### GRADING

To receive full credit for problems done on exams or graded homework, you must show sufficient work in a clear and organized manner. Your work must be neat and organized. "Messy" and/or disorganized work will not receive full credit.

### CELL PHONES & OTHER ELECTRONIC DEVICES

Cell phones and other electronic devices should be silenced and put away prior to the start of class.

### DISRUPTIVE BEHAVIOR

Please respect your fellow students and act accordingly. If a student takes part in disruptive behavior, the instructor reserves the right to exclude the student immediately from the class meeting.

### ACADEMIC HONESTY

All exams must be done by your own individual effort. You may not consult with any classmates concerning the problems on 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 to discuss reasonable accommodations that will help you succeed in this class. Ann Lemke can be reached at 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/>

**MATH 206 TENTATIVE SCHEDULE  
STORM – SPRING 2016**

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

	Monday		Wednesday		Friday
JAN 11	Orientation	JAN 13	7.1	JAN 15	7.2
JAN 18	<b>No Class</b> Martin Luther King Day	JAN 20	7.3	JAN 22	7.3
JAN 25	7.4	JAN 27	7.5	JAN 29	7.6
FEB 1	7.7	FEB 3	Exam 1 Review	FEB 5	<b>Exam 1</b> <b>(7.1-7.6)</b>
FEB 8	8.2	FEB 10	8.3	FEB 12	8.3
FEB 15	<b>No Class</b> President's Day	FEB 17	8.4	FEB 19	8.5
FEB 22	8.6	FEB 24	8.7	FEB 26	Exam 2 Review
FEB 29	<b>EXAM 2</b> <b>(7.7, 8.2-8.6)</b>	MAR 2	8.8	MAR 4	<b>No Class</b> Non-instructional Day
MAR 7	8.8	MAR 9	10.1	MAR 11	10.2
MAR 14	10.3	MAR 16	10.4	MAR 18	Exam 3 Review
MAR 21	<b>Spring Break</b>	MAR 23	<b>Spring Break</b>	MAR 25	<b>Spring Break</b>
MAR 28	<b>EXAM 3</b> <b>(8.7, 8.8, 10.1-10.4)</b>	MAR 30	10.5	APR 1	10.6
APR 4	11.1	APR 6	11.2	APR 8	11.2
APR 11	11.3	APR 13	11.4	APR 15	9.1
APR 18	Exam 4 Review	APR 20	<b>EXAM 4</b> <b>(10.5, 10.6, Ch11)</b>	APR 22	9.2
APR 25	9.3	APR 27	9.4	APR 29	9.5
MAY 2	Final Review	MAY 4	Final Review	MAY 6	<b>No Class</b> Non-instructional Day
MAY 9	<b>FINAL EXAM</b> In Testing Center 5/9-5/12	MAY 11		MAY 13	