MATH 100 – SURVEY OF MATHEMATICS (3 Credits)
CRN 60277

INSTRUCTOR: Jody-Lynn Storm
OFFICE: Mana’opono 110A, WCC campus
OFFICE HOURS: TTh 10:00 am – 11:30 am
WF 12:30 pm – 1:30 pm
And by appointment
TELEPHONE: TBA
EMAIL: jstorm@hawaii.edu
WEBSITE: www.jodystorm.com
EFFECTIVE DATE: Fall 2010

WINDWARD COMMUNITY COLLEGE MISSION STATEMENT
Windward Community College is committed to excellence in the liberal arts and career development; we support and challenge individuals to develop skills, fulfill their potential, enrich their lives, and become contributing, culturally aware members of our community.

CATALOG DESCRIPTION
An introduction to quantitative and logical reasoning for the nonscience /nonmathematics major. The question, “What is mathematics?” is explored, while focusing on mathematical systems or models, cultivating an appreciation for mathematics as an aesthetic art, and developing skills in problem solving and analysis.
(3 hrs. lect.)

Prerequisite: Grade of “C” or better in MATH 25 or equivalent, satisfactory math placement test score, or consent of instructor.

WCC: FS

STUDENT LEARNING OUTCOMES
1. Construct diagrams that will facilitate the visual conception of a phenomenon or problem.

2. Utilize basic properties and/or operations related to Set Theory, Logic, Statistics, Linear and Quadratic functions and Counting methods.

3. Employ symbolic/mathematical techniques to solve applied problems.

4. Utilize precise mathematical language and symbols to effectively communicate mathematics in written and/or oral form.

LEARNING RESOURCES
REQUIRED MATERIALS
1) MyMathLab access code (see Additional Information).

2) Basic 5-function calculator (Add, subtract, multiply, divide and square root).
**COURSE TASKS & GRADING**

The student will demonstrate competency in the objectives via assignments, unit exams, quizzes and a final exam over concepts and skills covered in the entire course.

Grades for this course are based on the following:

<table>
<thead>
<tr>
<th>Category</th>
<th>Points</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 exams @70 pts</td>
<td>210 pts</td>
<td>(44% of possible pts)</td>
</tr>
<tr>
<td>1 Quiz</td>
<td>35 pts</td>
<td>(7% of possible pts)</td>
</tr>
<tr>
<td>Homework</td>
<td>135 pts</td>
<td>(28% of possible pts)</td>
</tr>
<tr>
<td>Final Exam</td>
<td>100 pts</td>
<td>(21% of possible pts)</td>
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<tr>
<td>Total</td>
<td>480 pts</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Percent</th>
<th>Total Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90% - 100%</td>
<td>432 +</td>
</tr>
<tr>
<td>B</td>
<td>80% - 89%</td>
<td>384 – 431</td>
</tr>
<tr>
<td>C</td>
<td>70% - 79%</td>
<td>336 – 383</td>
</tr>
<tr>
<td>D</td>
<td>60% - 69%</td>
<td>288 – 335</td>
</tr>
<tr>
<td>F</td>
<td>Less than 60%</td>
<td>0 – 287</td>
</tr>
<tr>
<td>CR</td>
<td>70% - 100%</td>
<td>336 +</td>
</tr>
<tr>
<td>NC</td>
<td>Less than 70%</td>
<td>0 – 335</td>
</tr>
<tr>
<td>N</td>
<td>See Below</td>
<td></td>
</tr>
<tr>
<td>W</td>
<td>Official Withdrawal</td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>Incomplete - given when a student has failed to complete a SMALL part of the course due to circumstances beyond his/her control.</td>
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</tbody>
</table>

N Grade Definition: The student has worked conscientiously, 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 Admissions Office by the posted deadline. If a student does not apply for CR/NC grading option at the Admissions Office by the required deadline and if s/he does not withdraw, a letter grade (A, B, C, D, F) will be assigned for the course.

Note: W grade is given only when the student officially withdraws from the course at the Admissions Office by the posted deadline.
SUCCESS IN THIS COURSE DEPENDS ON....

- A reliable high-speed Internet connection. All homework assignments are completed online.
- Adequate computer skills. You must be able to send/receive emails and download email attachments in PDF.
- Proficiency with MyMathLab. Some exams will be administered online through MyMathLab - they will be timed. You must be comfortable with the process of entering answers and using the special menu keys. Completing the homework assignments will allow you to become adept at entering answers in a timely manner.
- Self-motivation. You are responsible for keeping up with the readings, homework assignments, exams and quizzes.

ADDITIONAL INFORMATION

COURSE MATERIALS

An access code to the MyMathLab online course is required. You may purchase the access code in two ways.

1. The textbook bundle. The bundle includes Thinking Mathematically A Custom Edition for WCC by Blitzer, a Student’s Solutions Manual, and a MyMathLab access code. The textbook bundle may be purchased directly at the WCC Campus Bookstore http://windward.hawaii.edu/Bookstore/ or order online at http://www.bookstore.hawaii.edu/wcc/home.aspx (shipping is available).


GETTING STARTED

1. Go to www.coursecompass.com. Click on Register under Students.
2. Enter the Course ID storm58885 when required.
3. Follow the online instructions to complete the registration process.
4. For a video tutorial go to http://tours.pearsoncmg.com/smscc/index.html
   - You may need to turn off your pop-up blocker so that some plugins can be installed.
   - For technical support: call (800) 677-6337 or visit http://www.mymathlab.com/student-support or http://247pearsoned.custhelp.com/

EXAMS & QUIZZES
There are 3 exams and 1 quiz. You will have 5 days to complete the exams and 3 days to complete the quiz. There are no retests for exams or quizzes. The final exam is cumulative.

Exams and quizzes will be taken at the nearest proctoring site determined by your location. A valid picture ID is required.

- **On Oahu:** Exams will be administered at the Windward Community College [http://windward.hawaii.edu/Testing_Center/](http://windward.hawaii.edu/Testing_Center/).
- **Outer Islands:** Go to [http://www.hawaii.edu/dl/faculty/prep/proctor_office.html](http://www.hawaii.edu/dl/faculty/prep/proctor_office.html) for a list of available locations.
- **Mainland:** You are responsible for locating an approved proctoring site. You will need to email your site location to me within the first week of classes for approval.

**HOMEWORK**

Homework is assigned online via the Course Compass program, MyMathLab. After registering, login on the Course Compass homepage [http://www.coursecompass.com/](http://www.coursecompass.com/). Read through the assigned section of the textbook (or e-book) and complete the Check Points for each example before attempting the homework assignment. Short videos are available for each Check Point.

Each homework assignment is worth 5 points. You have unlimited attempts on any homework assignment as long as you have not passed the due date. Your highest score will be recorded. Assigned homework is due by 11:59 pm the following Sunday unless otherwise specified. Chapter 7 homework is due when stated. From chapter 2 on, there will be a 1 point deduction per day for late homework.

**EXTRA CREDIT**

There may be opportunity for extra credit. Extra credit assignments will count toward the Homework portion of your grade.

**MAKE-UP POLICY**

If you miss an exam or quiz, you will receive a zero for that exam or quiz. In the case of an emergency, documentation must be provided before a make-up exam or quiz is scheduled. **The instructor has the right to determine if the reason is justified. There are no make-up opportunities for missed homework.**

**CALCULATORS**

A basic 5-function calculator that can compute square roots is recommended for homework and is necessary for chapters 11 & 12. Calculator use may be required for some exams/quizzes.

**HELP**
Seek help immediately if you are encountering problems:

- On Oahu, you may drop by during office hours or make an appointment to meet.
- Off Oahu, the preferred method of communication would be via email.
- Post a question on the MyMathLab discussion board.
- Talk to a live tutor via Pearson Tutoring Center (http://media.pearsoncmg.com/cmg/pmmg/pmmg_mml_shared/mtc_ph.html). Registration is required.

If a crisis comes up that interferes with the class, communicate with your instructor in a timely manner.

**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, or you may stop by Hale ‘Akoakoa 213 for more information.

**IMPORTANT DATES**

- **07/07/2010** Last day to receive 100% tuition refund
- **07/12/2010** Last day to receive 50% tuition refund
- **07/28/2010** Last day to withdraw from class ("W" on transcript)

**SCHEDULE FALL 2010 MATH 100 CRN 60277**

Read through the assigned section of the textbook (or e-book) and complete the Check Point for each Example before attempting the MyMathLab assignment.

<table>
<thead>
<tr>
<th>WEEK</th>
<th>DATES (Mon – Sun)</th>
<th>READING ASSIGNMENT</th>
<th>MYMATHLAB HOMEWORK</th>
<th>HW DUE (Sundays)</th>
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<tbody>
<tr>
<td>1</td>
<td>8/23 – 8/29</td>
<td>7.1 – all</td>
<td>Orientation, 7.1</td>
<td>9/5</td>
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<tr>
<td></td>
<td></td>
<td>7.2 – Through check point 3</td>
<td></td>
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<tr>
<td>2</td>
<td>8/30 – 9/5</td>
<td>7.2 – Example 4 through Check Point 8.</td>
<td>7.2, 7.6</td>
<td>9/5</td>
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<tr>
<td></td>
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<td>7.6 – Through Check Point 2 &amp; p.427 through Check Point 7. Do not cover logarithmic functions.</td>
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<td></td>
<td></td>
<td>Recall that we may find the x-intercepts of a parabola by factoring or by using the quadratic formula ( x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a} )</td>
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</tr>
<tr>
<td>3</td>
<td>9/6 – 9/12</td>
<td>2.1 – all</td>
<td>2.1, 2.2</td>
<td>9/12</td>
</tr>
<tr>
<td>Week</td>
<td>Dates</td>
<td>Chapters</td>
<td>Due Date</td>
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</tr>
</tbody>
</table>
| 4    | 9/13 – 9/19 | 2.3 – all  
2.4 – all   | 9/19      |
| 5    | 9/20 – 9/26 | 2.5 – all  
3.1 – all   | 9/26      |
|      | **EXAM 1**  | 9/21 – 9/27  
(7.1, 7.2, 7.6, 2.1 – 2.5) |          |
| 6    | 9/27 – 10/3 | 3.2 – all  
3.3 – all   | 10/3      |
| 7    | 10/4 – 10/10 | 3.4 – all  
3.5 – all  
3.6 – all   | 10/10     |
| 8    | 10/11 – 10/17 | 3.7 – all  | 10/17     |
|      | **EXAM 2**  | 10/14 – 10/20  
(3.1 – 3.7) |          |
| 9    | 10/18 – 10/24 | 11.1 – all  
11.2 – all   | 10/24     |
| 10   | 10/25 – 10/31 | 11.3 – all  
11.4 – all   | 10/31     |
| 11   | 11/1 – 11/7  | 11.5 – all  
11.6 – all   | 11/7      |
| 12   | 11/8 – 11/14 | 11.7 – all   | 11/14     |
|      | **EXAM 3**  | 11/9 – 11/15  
(11.1 – 11.7) |          |
| 13   | 11/15 – 11/21 | 12.1 – all  
12.2 – Through Check Point 6 | 11/21     |
| 14   | 11/22 – 11/28 | 12.2 – Example 7 to Check Point 10  
12.3 – all   | 11/28     |
| 15   | 11/29 – 12/5  | 12.4 – all   | 12/5      |
|      | **QUIZ**   | 12/1 – 12/3  
(12.1 – 12.4) |          |
| 16   | 12/6 – 12/12 | Review for Final Exam |          |
|      | **FINAL EXAM** | 12/10 – 12/15 (Cumulative) |          |