MATH 100 – SURVEY OF MATHEMATICS (3 Credits)

INSTRUCTOR:	Jody-Lynn Storm
OFFICE:	Mana`opono 105A
OFFICE HOURS:	MWF 10:00 am – 11:00 am
	TR 11:30 am – 12:30 pm
	And by appointment
OFFICE TELEPHONE:	(808) 236 – 9277
EMAIL:	jstorm@hawaii.edu
WEBPAGE:	http://www.jodystorm.com
EFFECTIVE DATE:	Fall 2015

CRN	Days	Time	Classroom
60385	MW	11:30 am – 12:45 pm	Mana`opono 114
60489	MW	11:30 am – 12:45 pm	Mana`opono 114
60335	TR	10:00 am – 11:15 am	Mana`opono 115
60482	TR	10:00 am – 11:15 am	Mana`opono 115

WINDWARD COMMUNITY COLLEGE MISSION STATEMENT

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

COURSE 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 Math 28 or equivalent, satisfactory math placement test score, or consent of instructor.

FOUNDATION HALLMARKS

Math 100 fulfills 3 credits of the General Education requirements (Foundations: Symbolic) for both an A.A. degree at WCC and a Bachelor's degree at UH Manoa. Consequently, it meets the hallmarks of the symbolic reasoning requirement.

1. Students will be exposed to the beauty, power, clarity and precision of formal systems.
2. Instructors will help students understand the concept of proof as a chain of inferences.
3. Instructors will teach students how to apply formal rules or algorithms.
4. Students will be required to use appropriate symbolic techniques in the context of problem solving, and in the presentation and critical evaluation of evidence.
5. The course will not focus solely on computational skills.
6. Instructors will build a bridge from theory to practice and show students how to traverse this bridge.

STUDENT LEARNING OUTCOMES

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

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.

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

LEARNING RESOURCES & MATERIALS

REQUIRED MATERIALS:
- Textbook: Thinking Mathematically, 6th ed., by Blitzer
  - If you have a MyMathLab access code and prefer to use an ebook, you may register online at http://pearsonmylabandmastering.com with course ID: **storm95973**
- Basic 5-Function Calculator (required): Must have a square root function

LEARNING RESOURCES:
- Testing Center: La'akea (Library Learning Commons) Room 228
    Phone: (808) 235-7498
    http://windward.hawaii.edu/Testing_Center/index.php

- Math Lab: La'akea (Library Learning Commons) Room 226
    http://windward.hawaii.edu/Math_Lab/
- Brainfuse Online Tutoring: http://windward.hawaii.edu/brainfuse/
- OLA (UH Online Tutoring): http://manoa.hawaii.edu/ola/
- Kahn 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:

3 exams @ 100 pts ea	300 pts	(47% of possible pts)
1 Quiz	50 pts	(8% of possible pts)
Final Exam	130 pts	(20% of possible pts)
Course Activities:		
Homework	112 pts	(17.5% of possible pts)
In-class Activities	48 pts	(7.5% of possible pts)
Total	640 pts	

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

Letter Grade	Definition
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 an optional grade that instructors do not have to give. All requests for the N grade must be submitted by the student in writing and 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. 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, N) will be assigned for the course.

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.*

The I grade is given by student request and must be approved by the instructor. 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 your instructor to review any missed lecture material. You may drop in during posted office hours or make an appointment to meet one-on-one. Please do not send email requests for missed lecture material.

MAKE-UP POLICY

If you are unable to attend class on an exam day, discuss your situation with the instructor as soon as possible **before** the exam day. It may be possible for you to take the exam earlier than the specified day/time. If you unexpectedly must be absent on an exam day, notify me by 4:00 pm via voicemail or email. If notification is received and the reason is justified 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. **There are no make-up opportunities for graded in-class activities.**

CALCULATORS

A basic 5-function calculator is recommended for homework and is necessary for chapters 11 & 12. A non-graphing calculator is required for some exams.

EXAMS

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

HOMEWORK

There is one homework assignment per textbook section. Homework assignments are worth 4 points each. Late homework is worth 2 points. Homework is graded on completeness, neatness and accuracy. **You may need to do more than the assigned homework problems to become comfortable with the concepts and skills.**

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

Electronic devices should be silenced prior to the start of class. Lecture notes will be posted on Laulima. You are free to use a laptop (or other electronic device) during class to take lecture notes. If so, please make sure the volume is muted and that you are only using the device to take notes.

DISRUPTIVE BEHAVIOR & ACADEMIC HONESTY

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

All exams must be done by your own individual effort. You may not consult with any classmates while taking 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.

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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 ʻAkoakoa 213 for more information, or visit http://windward.hawaii.edu/Disabilities/

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MATH 100 – TENTATIVE SCHEDULE
MW 11:30 AM – 12:45 PM
STORM – FALL 2015

Important Dates	
AUG 28	Last day to register/add/drop and to receive 100% refund of tuition
SEP 14	Last day for 50% refund of tuition and to withdraw without a "W" grade.
OCT 30	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**
AUG 24	Orientation, 7.1	AUG 26	7.2
AUG 31	7.6	SEP 2	2.1, 2.2
SEP 7	**No Class** Labor Day	SEP 9	2.3, 24
SEP 14	2.4, 2.5	SEP 16	Exam 1 Review
SEP 21	**EXAM 1 (Ch7,Ch2)**	SEP 23	3.1, 3.2
SEP 28	3.2, 3.3	SEP 30	*3.3, 3.4*
OCT 5	3.5, 3.6	OCT 7	3.6, 3.7
OCT 12	3.7, 3.8	OCT 14	Exam 2 Review
OCT 19	**EXAM 2 (3.1-3.7)**	OCT 21	11.1, 11.2
OCT 26	11.3, 11.4	OCT 28	11.5
NOV 2	11.6	NOV 4	11.7
NOV 9	Exam 3 Review	NOV 11	**No Class** Veteran's Day
NOV 16	**EXAM 3 (Ch11)**	NOV 18	12.1, 12.2
NOV 23	12.2, 12.3	NOV 25	12.4
NOV 30	12.4, 12.5	DEC 2	**QUIZ CH 12**
DEC 7	Final Exam Review	DEC 9	Final Exam Review
DEC 14		DEC 16	**FINAL EXAM** **11:30am - 1:30pm**

MATH 100 – TENTATIVE SCHEDULE
TR 10:00 AM – 11:15 AM
STORM – FALL 2015

Important Dates	
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OCT 30	Last day to withdraw with a "W" or choose CR/NC grade option. Last day to make up "I" grade from previous semester

	Tuesday		Thursday
AUG 25	Orientation, 7.1	AUG 27	7.1, 7.2
SEP 1	7.2, 7.6	SEP 3	7.6, 2.1
SEP 8	2.1, 2.2	SEP 10	2.2, 2.3
SEP 15	2.4, 2.5	SEP 17	Exam Review
SEP 22	**EXAM 1 (Ch7,Ch2)**	SEP 24	3.1, 3.2
SEP 29	3.3	OCT 1	3.4, 3.5
OCT 6	3.6	OCT 8	3.7
OCT 13	3.8	OCT 15	Exam 2 Review
OCT 20	**EXAM 2 (3.1-3.7)**	OCT 22	11.1, 11.2
OCT 27	11.3, 11.4	OCT 29	11.5
NOV 3	11.6	NOV 5	11.7
NOV 10	Exam 3 Review	NOV 12	**EXAM 3 (Ch11)**
NOV 17	12.1, 12.2	NOV 19	12.3
NOV 24	12.4	NOV 26	**No Class** Thanksgiving Day
DEC 1	12.5	DEC 3	**QUIZ CH 12**
DEC 8	Final Exam Review	DEC 10	Final Exam Review
DEC 15	**FINAL EXAM 10:00 am - 12:00 pm**	DEC 17	