MATH 103 – COLLEGE ALGEBRA (4 Credits)

INSTRUCTOR:	Jody-Lynn Storm
OFFICE:	Mana'opono 105A
OFFICE HOURS:	MTWRF 11:30 am – 12:30 pm
	And by appointment
OFFICE TELEPHONE:	(808) 236 – 9277
EMAIL:	jstorm@hawaii.edu
WEBSITE:	jodystorm.com
EFFECTIVE DATE:	Spring 2017

CRN	Days	Time	Classroom
64234	MWF	1:00 pm – 2:15 pm	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

Linear equation, inequalities, systems of equations, polynomial functions, fractional expressions and equations, exponents, powers, roots, quadratic equations and functions; rational, exponential and logarithmic functions. (4 hrs. lecture)

PREREQUISITES: Grade of "C" or better in MATH 25 or MATH 29 or equivalent, or satisfactory placement test score, or consent of instructor.

WCC: FS

FOUNDATION HALLMARKS

Math 103 fulfills 4 credits of the General Education requirements (Foundations: Symbolic) for both the 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 include computational and/or quantitative skills.
6. Instructors will build a bridge from theory to practice and show students how to traverse this bridge.

STUDENT LEARNING OUTCOMES

1. Demonstrate proficiency in writing math expressions into different forms.
2. Employ algebraic techniques to find the solutions to equations and/or inequalities, using complex numbers where appropriate.
3. Use algebraic techniques to analyze and solve applied problems.
4. Interpret equations geometrically and use geometrical information to obtain the equation of lines and circles.
5. Utilize introductory function concepts and draw the graphs of selected functions.
6. Utilize the definition of a logarithm and the properties of logarithms to simplify logarithmic expressions or to solve logarithmic and exponential equations.
7. Demonstrate proficiency in solving systems of linear and second degree equations and inequalities.
8. 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:
- Connect Math:
  - o The access code is included in the textbook bundle at the WCC Bookstore or access may be purchased directly online
  - o Comes with the eBook College Algebra Essentials, by Julie Miller
  - o Register online at https://www.connectmath.com/login
  - o Use Course Code: **TJTQN-RMKUD**

LEARNING RESOURCES:

- Math Lab: La'akea (Library Learning Commons) Room 220
  http://windward.hawaii.edu/About_WCC/Math_Lab/index.php

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

- Brainfuse Online Tutors: https://windward.hawaii.edu/brainfuse/

- OLA (UH online tutoring program): http://manoa.hawaii.edu/ola/

- TRiO: http://windward.hawaii.edu/TRIO/index.php

- 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 Exams (100 pts. each)	400 pts.	(60% of possible points)
Connect Math	100 pts.	(15% of possible points)
In-Class Activities	35 pts.	(5% of possible points)
Final Exam	135 pts.	(20% of possible points)
Total	670 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. The N grade is given by <u>student request</u>.

Note: CR/NC grades require written instructor consent. <u>Students must apply</u> 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 <u>student officially withdraws</u> 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. The I grade is given by <u>student request</u> and must be approved by the instructor.

ADDITIONAL INFORMATION

<u>ABSENCES</u>
Although I do not take attendance 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. Refer to the class binder or meet with me during office hours to review any missed lecture material. Please do not send email requests for missed lecture material.

<u>CALCULATORS</u>
No calculators are allowed on exams. A calculator may be used on homework as needed.

<u>EXAMS</u>
There are no retests for exams. The final exam is cumulative. If you are unable to attend class on an 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. A make-up exam will be scheduled as long as it is completed before we go over the solutions in class, usually the next class period. If the percent earned on the final exam is higher than your lowest exam score, then your lowest exam score will be replaced with the percent earned on the final exam.

<u>HOMEWORK</u>
Homework will be completed online via the Connect Math program. You may need to do more than the assigned homework problems to become comfortable with the concepts and skills.

<u>IN-CLASS ACTIVITIES</u>
You will receive a grade for class participation via in-class activities. There are no make-up opportunities for missed in-class activities.

<u>GRADING</u>
To receive full credit for problems done on exams you must show sufficient work in a clear and organized manner. Messy and/or disorganized work will not receive full credit.

<u>CELL PHONES & OTHER DEVICES</u>
Cell phones and other electronic devices should be silenced.

<u>DISRUPTIVE BEHAVIOR & ACADEMIC HONESTY</u>
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. Examples are activated cell phones, texting, prolonged chattering, etc.

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. An "F" will be assigned to students involved in cheating and will be reported to the Dean. 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, or you may stop by Hale 'Akoakoa 213 for more information, or visit http://windward.hawaii.edu/Disabilities/

IMPORTANT DATES	
JAN 13	Last day to register/add/drop and to receive 100% refund of tuition
JAN 30	Last day for 50% refund of tuition and to withdraw without a "W" grade.
APR 3	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 9	Orientation, R1	JAN 11	R1, R3	JAN 13	R4
JAN 16	**No Class** Martin Luther King Jr. Day	JAN 18	R5, R6	JAN 20	R6
JAN 23	R6, R7	JAN 25	R7, 1.1	JAN 27	1.1, 1.2
JAN 30	1.3	FEB 1	Exam 1 Review	FEB 3	**Exam 1** (ChR, 1.1, 1.2)
FEB 6	1.4, 1.5	FEB 8	1.5, 1.6	FEB 10	1.6, 1.7
FEB 13	1.8	FEB 15	1.8, 2.1	FEB 17	2.1, 2.2
FEB 20	**No Class** President's Day	FEB 22	2.3, 24	FEB 24	2.4, 2.5
FEB 27	Exam 2 Review	MAR 1	**Exam 2** (1.3-1.8, 2.1, 2.2)	MAR 3	**No Class** Excellence in Ed Day
MAR 6	2.5, 2.8	MAR 8	3.1, 3.3	MAR 10	3.5
MAR 13	3.5	MAR 15	3.6	MAR 17	3.6, 3.7
MAR 20	3.7	MAR 22	Exam 3 Review	MAR 24	**Exam 3** (2.3-2.5, 2.8, 3.1, 3.3, 3.5, 3.6)
MAR 27	**No Class** Spring Recess	MAR 29	**No Class** Spring Recess	MAR 31	**No Class** Spring Recess
APR 3	4.2	APR 5	4.3	APR 7	4.4
APR 10	4.5	APR 12	4.5	APR 14	**No Class** Good Friday
APR 17	5.1	APR 19	5.2	APR 21	5.4
APR 24	Exam 4 Review	APR 26	**Exam 4** (3.7, 4.2-4.5, 5.1, 5.2)	APR 28	5.5
MAY 1	Final Review	MAY 3	Final Review	MAY 5	**No Class** Non-Instructional Day
MAY 8	**FINAL EXAM** 1:00 pm - 3:00 pm	MAY 10		MAY 12	