MATH 103 – COLLEGE ALGEBRA
4 Credits (CRN 60374)
MTWR 9:00 am – 9:50 am in Mana`opono 102

INSTRUCTOR: Jody-Lynn Storm
OFFICE: Mana`opono 105A
OFFICE HOURS: Monday & Wednesday 11:30 am – 12:30 pm
Tuesday & Thursday 10:00 am – 11:00 am
OFFICE TELEPHONE: (808) 236 – 9277
EMAIL: jstorm@hawaii.edu
EFFECTIVE DATE: Spring 2019

Students enrolled in this course must also be concurrently enrolled in MATH 88 CRN 60373

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 the Ko`olau region of O`ahu and beyond with liberal arts, career and lifelong learning in a supportive and challenging environment – inspiring students to excellence.

CATALOG DESCRIPTION

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

Pre-Requisite(s): C or better in MATH 25, 26, 29, 82 or equivalent, co-requisite enrollment in Math 88, satisfactory math placement test score, or consent of instructor.

WCC: FS

STUDENT LEARNING OUTCOMES

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

1. Graph or interpret algebraic relations that are relevant to the topics in this course
2. Employ algebraic techniques to find the solutions to equations or inequalities, or systems of equations or inequalities appropriate to the level of this course
3. Use algebraic techniques to analyze and 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:

Connect Math: Register online at https://www.connectmath.com/login with Course Code: XLPNL - FPJJE. The access code is included in the textbook bundle at the WCC Bookstore or access may be purchased directly online at https://www.connectmath.com/login

Connect Math comes with the eBook College Algebra Essentials, by Julie Miller.

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
  http://windward.hawaii.edu/Testing_Center/index.php

• Alakai: Maddy Walsh (mmwalsh@gmail.com)

• Tutor.com: https://windward.hawaii.edu/tutor.com/

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

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

• 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:

<table>
<thead>
<tr>
<th>Course Task</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 Exams (100 pts. each)</td>
<td>400 pts.</td>
</tr>
<tr>
<td>Connect Math</td>
<td>100 pts.</td>
</tr>
<tr>
<td>In-Class Activities</td>
<td>50 pts.</td>
</tr>
<tr>
<td>Final Exam</td>
<td>120 pts.</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>670 pts.</strong></td>
</tr>
</tbody>
</table>

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

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

Windward Community College is an equal opportunity, affirmative action institution.
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. If a student withdraws from this course they must also withdraw from the companion Math 88 course.

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 student request and must be approved by the instructor.

ADDITIONAL INFORMATION

ABSENCES
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.

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

EXAMS
There are no retests or make-ups 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 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.

HOMEWORK
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.

IN-CLASS ACTIVITIES
In-class worksheets will be turned in for credit. These activities are considered class participation points. You may not make up in-class activities.

**ALAKAI**

For every hour of Alakai you will receive 2 points towards the Connect Math and In-Class portion of your grade. You can earn up to 5 points over the max of 150 points.

**GRADING**

To receive full credit for problems done on exams and in-class activities, you must show sufficient work in a clear and organized manner. Messy and/or disorganized work will not receive full credit.

**CELL PHONES & OTHER DEVICES**

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

**DISRUPTIVE BEHAVIOR & ACADEMIC HONESTY**

Do not be disruptive. Please respect your fellow students and act accordingly.

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/](http://windward.hawaii.edu/Policies/) for more information on the UH system-wide student conduct code.

**FOUNDATIONS SYMBOLIC REASONING HALLMARKS**

Math 103 fulfills 3 credits of the General Education requirements (Foundations: Symbolic) for both an A.A. degree at WCC and a Bachelor’s degree at 4 year UH institutions. Consequently, it meets the following hallmarks:

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.

**FOUNDATIONS QUANTITATIVE REASONING HALLMARKS**

Math 103 fulfills 3 credits of the General Education requirements (Foundations: Quantitative) for both an A.A. degree at WCC and a Bachelor’s degree at 4 year UH institutions. Consequently, it meets the following hallmarks:

1. Provide students with theoretical justifications for, and limitations of, mathematical or statistical methods, and the formulas, tools, or approached used in the course.
2. Include application of abstract or theoretical ideas and information to the solution of problems.
practical quantitative reasoning problems arising in pure and applied research in specific disciplines, professional settings, and/or daily and civic life.

3. Provide opportunities for practice and feedback that are designed to help students evaluate and improve quantitative reasoning skills by including a course component at least once per week with a maximum 30:1 student-to-teacher ratio.

4. Be designed so that student will be able to
   a. identify and convert relevant quantitative information into various forms such as equations, graphs, diagrams, tables, and/or words.
   b. select appropriate techniques or formulas, and articulate and evaluate assumptions of the selected approaches.
   c. apply mathematical tools and perform calculations (including correct manipulation of formulas).
   d. make judgments, create logical arguments, and/or draw appropriate conclusions based on the quantitative analysis of data, the assumptions made, the limitations of the analysis, and/or the reasonableness of results.
   e. effectively communicate those results in a variety of formats.

DISABILITIES ACCOMMODATIONS
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 ʻĀkoakoa 213 for more information.

TITLE IX
Title IX prohibits discrimination on the basis of sex in education programs and activities that receive federal financial assistance. Specifically, Title IX prohibits sex discrimination; sexual harassment and gender-based harassment, including harassment based on actual or perceived sex, gender, sexual orientation, gender identity, or gender expression; sexual assault; sexual exploitation; domestic violence; dating violence; and stalking. For more information regarding your rights under Title IX, please visit: https://windward.hawaii.edu/Title_IX/.

Windward Community College is committed to the pursuit of equal education. If you or someone you know has experienced sex discrimination or gender-based violence, WCC has resources to support you. To speak with someone confidentially, contact the Mental Health & Wellness Office at 808-235-7393 or Kaahu Alo, Designated Confidential Advocate for Students, at 808-235-7354 or kaahualo@hawaii.edu. To make a formal report, contact the Title IX Coordinator, Karla K. Silva-Park, at 808-235-7468 or karlas@hawaii.edu.

ALTERNATE CONTACT INFORMATION
If you are unable to contact the instructor, have questions that your instructor cannot answer, or for any other issues, please contact the Academic Affairs Office:

Location: Alakai 121
Phone: 808-235-7422
Email: wccaa@hawaii.edu

Windward Community College is an equal opportunity, affirmative action institution.
# MATH 88/103 TENTATIVE SCHEDULE

## IMPORTANT DATES

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>JAN 15</td>
<td>Last day to register/add/drop and to receive 100% refund of tuition</td>
</tr>
<tr>
<td>JAN 30</td>
<td>Last day for 50% refund of tuition and to withdraw without a &quot;W&quot; grade.</td>
</tr>
<tr>
<td>MAR 25</td>
<td>Last day to withdraw with a &quot;W&quot; or choose CR/NC grade option. Last day to make up &quot;I&quot; grade from previous semester</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MONDAY</th>
<th>TUESDAY</th>
<th>WEDNESDAY</th>
<th>THURSDAY</th>
</tr>
</thead>
<tbody>
<tr>
<td>JAN 7</td>
<td>Orientation</td>
<td>JAN 8</td>
<td>R.1</td>
</tr>
<tr>
<td>JAN 14</td>
<td>R.4</td>
<td>JAN 15</td>
<td>R.4</td>
</tr>
<tr>
<td>JAN 21</td>
<td><strong>No Class</strong> Holiday</td>
<td>JAN 22</td>
<td>R.6</td>
</tr>
<tr>
<td>JAN 28</td>
<td>R.7</td>
<td>JAN 29</td>
<td>Exam 1 Review</td>
</tr>
<tr>
<td>FEB 4</td>
<td>1.1, 1.2</td>
<td>FEB 5</td>
<td>1.2</td>
</tr>
<tr>
<td>FEB 11</td>
<td>1.5</td>
<td>FEB 12</td>
<td>1.6</td>
</tr>
<tr>
<td>FEB 18</td>
<td><strong>No Class</strong> Holiday</td>
<td>FEB 19</td>
<td>Exam 2 Review</td>
</tr>
<tr>
<td>FEB 25</td>
<td>2.1</td>
<td>FEB 26</td>
<td>2.2</td>
</tr>
<tr>
<td>MAR 4</td>
<td>2.8</td>
<td>MAR 5</td>
<td>2.8, 3.1</td>
</tr>
<tr>
<td>MAR 11</td>
<td>3.5, 3.6</td>
<td>MAR 12</td>
<td>Exam 3 Review</td>
</tr>
<tr>
<td>MAR 18</td>
<td><strong>No Class</strong> Spring Recess</td>
<td>MAR 19</td>
<td><strong>No Class</strong> Spring Recess</td>
</tr>
<tr>
<td>MAR 25</td>
<td>3.6</td>
<td>MAR 26</td>
<td><strong>No Class</strong> Holiday</td>
</tr>
<tr>
<td>APR 1</td>
<td>4.3</td>
<td>APR 2</td>
<td>4.4</td>
</tr>
<tr>
<td>APR 8</td>
<td>4.5</td>
<td>APR 9</td>
<td>Exam 4 Review</td>
</tr>
<tr>
<td>APR 15</td>
<td>5.1</td>
<td>APR 16</td>
<td>5.2</td>
</tr>
<tr>
<td>APR 22</td>
<td>5.5</td>
<td>APR 23</td>
<td>5.5</td>
</tr>
<tr>
<td>APR 29</td>
<td>Final Exam Review</td>
<td>APR 30</td>
<td>Final Exam Review</td>
</tr>
<tr>
<td>MAY 6</td>
<td>MAY 6</td>
<td>MAY 6</td>
<td>FINAL EXAM 8:30 am-10:30 am</td>
</tr>
</tbody>
</table>

*Windward Community College is an equal opportunity, affirmative action institution.*