MATH 82 ALGEBRAIC FOUNDATIONS (4 cr)
Spring 2017
CRN 64386
Day/Time: TuTh 11:30am – 1:20pm
Location: Mana’opono 102

INSTRUCTOR: Matthew Radio
OFFICE: Mana’opono 110A
OFFICE HOURS: Tuesday 8:30-10am, Wednesday 11:30-1:00, and by Appointment
TELEPHONE: (808) 236-9276
EMAIL: mradio@hawaii.edu

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.

Math 82 Catalog Description
MATH 82 covers elementary algebra topics. Topics include linear equations and inequalities, graphing, linear systems, properties of exponents, operations on polynomials, factoring, rational and radical expressions and equations, quadratic equations, and applications.

PREREQUISITES: Satisfactory Placement, or a Grade of "C" or better in Math 21, Math 21B, Math 24, Math 28, or Math 75X.

Learning Resources and Required Materials

Textbook:

- *Beginning Algebra, 11th Ed* by Lial, Hornsby, and McGinnis with Access for MyMathLab
  - Option 1: Buy the printed textbook from the bookstore with an Access Code included.
  - Option 2: Buy access to MyMathLab directly online and get the e-book included.


Supplemental Learning Resources:

- Math Center: 103 Mana’opono, Open Tutoring from 9am-4pm with Russell Uyehara
- Brainfuse: [http://windward.hawaii.edu/Brainfuse/](http://windward.hawaii.edu/Brainfuse/)
- OLA (UH online tutoring program): [http://manoa.hawaii.edu/ola/](http://manoa.hawaii.edu/ola/)
- Wolfram Alpha: [http://www.wolframalpha.com](http://www.wolframalpha.com)
- Khan Academy Videos: [http://www.khanacademy.org](http://www.khanacademy.org)
STUDENT LEARNING OUTCOMES

Students will be able to:

1. Use algebraic techniques to analyze and solve applied problems
2. Graph linear and quadratic equations
3. Solve equations, inequalities, and systems
4. Utilize precise mathematical language and symbols to effectively communicate mathematics in written and/or oral form

Course Assessments and Grading

1. HOMEWORK – Homework is assigned online via MyMathLab. It is your responsibility to check MyMathLab for homework assignments and due dates. The two lowest homework scores will be dropped. Late homework will NOT be accepted.

2. QUIZZES – A short quiz will be given approximately once per week. Students must be present in class to take a quiz. There are NO make-ups. Quizzes will be announced at least one class in advance. The two lowest quiz scores will be dropped.

3. MIDTERM EXAMS – There will be five midterm exams each covering specific chapters of the textbook (i.e., these exams will not be cumulative). Exam 1 covers chapters 2 and 3; Exam 2 covers chapters 4 and 5; Exam 3 covers chapter 6; Exam 4 covers chapter 7; and Exam 5 covers chapters 8 and 9.

4. FINAL EXAM – There will be one cumulative exam at the end of the course.

<p>| | |</p>
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Homework</td>
<td>10%</td>
</tr>
<tr>
<td>Quizzes</td>
<td>10%</td>
</tr>
<tr>
<td>Midterm Exams</td>
<td>12% each</td>
</tr>
<tr>
<td>Final Exam</td>
<td>20%</td>
</tr>
</tbody>
</table>
Notes:

- **CALCULATORS ARE NOT ALLOWED** for quizzes or exams.
- If you are unable to attend class on an exam day, discuss your situation with me 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 3:00pm via voicemail or email. If the reason is justified then a make-up exam will be scheduled.
- For each student, no more than one make-up exam may be taken.
- Students must attain a minimum 70% on each unit exam and a minimum 60% for the final exam to be able to earn a grade of C or better for this course.
- After each chapter test, a unit retest deadline will be given. One retest is allowed without penalty for each unit exam if it is done by the specified retest deadline. Students needing a retest can earn a MAXIMUM score of 70% (60% on the final). No retests will be given after the unit retest deadline. Retests are arranged by appointment with your instructor.
  - To take a retest, all of the following must be met:
    a) The student must complete a written assignment to be determined by the instructor.
    b) The student must meet with the instructor to review mistakes made on the first form of the test taken.
    c) The retest must be taken by the designated unit retest deadline.
- The student must achieve a minimum of 60% of the possible points for the final exam. Without this minimum requirement, a passing grade for the course is not possible.
- Retesting for the final exam is available if the 60% minimum is not met, but the 70% minimum per unit test was already met. The maximum score of the retest is 60% of the possible points for the final exam.

If the student has achieved a minimum of 70% of the possible points for each unit test and a minimum of 60% of the possible points for the final exam, then a 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>Definition</th>
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<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>
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<tr>
<td>N</td>
<td>See below</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>
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</tbody>
</table>
• The N grade 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. Requests for the N grade must be submitted by the student and is contingent upon the instructor’s approval.

• 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.

• The W grade is given only when the student officially withdraws from the course by the posted deadline.

• 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 only after a student’s request and the instructor’s approval.
Additional Instructor Policies

- I am available to help during office hours. Stop by just to chat about the class or to clear up difficult concepts.
- Daily Homework: Students should come to each class prepared. Read the chapters ahead of time.
- 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. Check your UH email, the Laulima class website, and MyMathLab for announcements regularly.
- Please respect your fellow students and act accordingly. Cell phones must be silenced when entering the classroom.
- Academic dishonesty will not be tolerated. All suspected cases of academic dishonesty will be investigated and reported to the Dean. Punishments will vary, but may include failure of the course. 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.*
<table>
<thead>
<tr>
<th>Week Of</th>
<th>Tuesday</th>
<th>Thursday</th>
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<tbody>
<tr>
<td>JAN 9</td>
<td>Orientation, Ch. 1, 2.3</td>
<td>2.3, 2.4, 2.5</td>
</tr>
<tr>
<td>JAN 16</td>
<td>2.5, 2.6, 2.7</td>
<td>2.8, 3.1</td>
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<tr>
<td>JAN 23</td>
<td>3.2, 3.3, 3.4</td>
<td>3.5, 3.6</td>
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<tr>
<td>JAN 30</td>
<td>REVIEW, 4.1</td>
<td>EXAM 1 (Ch. 2 &amp; 3)</td>
</tr>
<tr>
<td>FEB 6</td>
<td>4.2, 4.3</td>
<td>4.4, 5.1</td>
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<tr>
<td>FEB 13</td>
<td>5.2, 5.3</td>
<td>5.4, 5.5, 5.7</td>
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<tr>
<td>FEB 20</td>
<td>REVIEW</td>
<td>EXAM 2 (Ch. 4 &amp; 5)</td>
</tr>
<tr>
<td>FEB 27</td>
<td>6.1, 6.2</td>
<td>6.3, 6.4</td>
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<tr>
<td>MAR 6</td>
<td>6.5, 6.6</td>
<td>REVIEW</td>
</tr>
<tr>
<td>MAR 13</td>
<td>EXAM 3 (Ch. 6)</td>
<td>7.1, 7.2</td>
</tr>
<tr>
<td>MAR 20</td>
<td>7.4, 7.5</td>
<td>7.6, 8.1</td>
</tr>
<tr>
<td>MAR 27</td>
<td>No Class – Spring Break</td>
<td>No Class – Spring Break</td>
</tr>
<tr>
<td>APR 3</td>
<td>8.2, REVIEW</td>
<td>EXAM 4 (Ch. 7)</td>
</tr>
<tr>
<td>APR 10</td>
<td>8.2, 8.3</td>
<td>8.4, 8.5</td>
</tr>
<tr>
<td>APR 17</td>
<td>8.6, 8.7</td>
<td>9.1, 9.3</td>
</tr>
<tr>
<td>APR 24</td>
<td>9.5, REVIEW</td>
<td>EXAM 5 (Ch. 8 &amp; 9)</td>
</tr>
<tr>
<td>MAY 1</td>
<td>Final Review</td>
<td>Final Review</td>
</tr>
<tr>
<td>MAY 8</td>
<td>Study Day</td>
<td>FINAL EXAM 11:30-1:30</td>
</tr>
</tbody>
</table>

- This calendar is tentative. Dates of assessments may change slightly based on class progress.
- Last Day to Withdraw without a W grade is January 30, 2017.
- Last Day to Withdraw with a W grade is April 3, 2017.
To register for Math 82 CRN 64386:

2. Under Register, select Student.
3. Confirm you have the information needed, then select OK! Register now.
4. Enter your instructor’s course ID: radio19049, and Continue.
5. Enter your existing Pearson account username and password to Sign In.
   • You have an account if you have ever used a Pearson MyLab & Mastering product, such as MyMathLab, MyITLab, MySpanishLab, MasteringBiology or MasteringPhysics.
   If you don’t have an account, select Create and complete the required fields.
6. Select an access option.
   • Enter the access code that came with your textbook or was purchased separately from the bookstore.
   • Buy access using a credit card or PayPal account.
7. From the You're Done! page, select Go To My Courses.
8. On the My Courses page, select the course name Math 82 CRN 64386 to start your work.

To sign in later:

2. Select Sign In.
3. Enter your Pearson account username and password, and Sign In.
4. Select the course name Math 82 CRN 64386 to start your work.

To upgrade temporary access to full access:

2. Select Sign In.
3. Enter your Pearson account username and password, and Sign In.
4. Select Upgrade access for Math 82 CRN 64386.
5. Enter an access code or buy access with a credit card or PayPal account.