# Proposal to Initiate, Modify or Delete a Course

## 1. Type of Action
- **A.** Addition  
  - Regular  
  - Experimental  
  - Other (specify)
- **B.** Deletion
- **C.** Modification  
  - in credits  
  - in title  
  - in number or alpha  
  - in prerequisites  
  - Other change in (specify)

## 2. New Alpha, Number and Title
**MATH 24 - Elementary Algebra I**

## 3. Credits
**3**

## 4. Old Alpha, Number and Title
**Math 24 - Elementary Algebra I**

## 5. New Catalog Description
This course represents approximately half of a typical year algebra course. Topics include real numbers and their properties, linear equations and inequalities in one variable, the coordinate plane, linear systems in two variables, and exponents.

## 6. Credits
**3**

## 7. Prerequisites
- Grade of "C" or better in MATH 22 or equivalent, satisfactory math placement test score, or consent of instructor.

## 8. Student Contact Hours Per Week
<table>
<thead>
<tr>
<th>Lecture</th>
<th>Lecture/Lab</th>
<th>Lab</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## 9. Proposed Date of First Offering
**Fall 1998**

## 10. This Course
- [ ] IS REQUIRED
- [ ] IS AN ELECTIVE FOR THE WCC PROGRAM/CORE
- [ ] CAN FULFILL ____________ REQUIREMENT
- [ ] PROPOSED DATE OF FIRST OFFERING

## 11. This Course
- [ ] INCREASES
- [ ] DECREASES
- [ ] MAKES NO CHANGE IN NUMBER OF CREDITS REQUIRED FOR THE PROGRAM/CORE

## 12. Similar Courses Offered Elsewhere:
- **Collage(s):**
  - Kapiolani CC & Maui CC
  - Honolulu CC
  - Hawaii CC & Kauai CC
  - Math 24 - Elementary Algebra I
  - Math 24X - Elementary Algebra I

## 13. This Course Is
- [ ] ALREADY ARTICULATED
- [ ] APPROPRIATE FOR ARTICULATION
- [ ] NOT YET APPROPRIATE FOR ARTICULATION

## 14. Reason for Initiating, Modifying or Deleting Course or Other Pertinent Comment:
To enhance the uniformity of course content of MATH 24 amongst the CC's, which would make it easier for students to transfer between campuses while taking the MATH 24/25 sequence.

## Requested By:

**Date:** 1/22/98

**Signed:**
- **Department Chairperson:**
- **Curriculum Committee:**
- **Faculty Senate:**
- **Dean of Instruction:**
- **Provost:**

## Approved By:

**Date:** 1/26/98

**Signed:**
- **Curriculum Committee:**
- **Faculty Senate:**
- **Dean of Instruction:**
- **Provost:**

## Change recorded by Catalog Preparer

**Date:** 3/4/98

---

(CCCM #6100)
(Amended for WCC use Sept. 1991)
### Levels of Review of Course Proposals at WCC

<table>
<thead>
<tr>
<th>Signatures</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. Subject Area (one or more instructors in the area)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Cheryl K. Hilt</strong></td>
<td>1/22/98</td>
</tr>
<tr>
<td><strong>Jean O'Leary</strong></td>
<td>1/22/98</td>
</tr>
<tr>
<td><strong>Karen Fadden</strong></td>
<td>1/22/98</td>
</tr>
<tr>
<td><strong>Jim Althaus</strong></td>
<td>1/22/98</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>2. Department</strong></th>
<th>1/22/98</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Department Chairperson</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Department Chairperson</strong></td>
<td></td>
</tr>
</tbody>
</table>

Was this course discussed in a dept. mting. **Yes**

<table>
<thead>
<tr>
<th><strong>3. Division</strong></th>
<th>1-23-98</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Marie Garcia</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Assistant Dean of Instruction</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>4. Curriculum Committee Review</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Approved</strong></td>
<td>X</td>
</tr>
<tr>
<td><strong>Disapproved</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Reason:</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Curriculum Committee Chairperson**

<table>
<thead>
<tr>
<th>Signature</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>David Denim</strong></td>
<td>1/26/98</td>
</tr>
</tbody>
</table>
WCC FORM FOR COURSE MODIFICATIONS

Course MATH 24 - Elementary __Submitted by Clayton Akatsuka__ Date 1/20/98

Algebra I

1. What change is proposed in the course? Provide specific information comparing both the "new" and "old" course.
   The "new" MATH 24 and MATH 25 courses will still cover all topics in elementary algebra (as do the "old" courses), but in a different order.

2. What is the rationale for the change?
   This reorganization of topics will align these courses with those offered by all CC's except Leeward CC. Then, our students will encounter the least amount of trouble if they transfer from WCC to another CC (except Leeward) between taking MATH 24 and MATH 25.

3. Is the change substantive enough to require a change in course identification? If so, explain thoroughly.
   No.

4. Is the course articulated with any 4-year program? No
   If yes, give details of the agreement(s) and explain any impact the proposed modifications may have on articulation.

5. Provide details of any additional staff, equipment, facilities, library/media material, faculty preparation and other financial considerations that would be required to implement this course modification. What has been done to provide for these additional costs? Who will teach the course? Is additional preparation needed?
   No changes.

6. Will this course modification result in any alterations in the number of hours required to attain a certificate or degree? No
   If yes, provide details and justification for these alterations.

7. If the course is renumbered to 100 or above, does it meet the criteria for transfer level courses? (See attached criteria for transfer courses.)
<table>
<thead>
<tr>
<th>COURSE NAME:</th>
<th>Elementary Algebra I</th>
</tr>
</thead>
<tbody>
<tr>
<td>COURSE NUMBER:</td>
<td>MATH 24</td>
</tr>
<tr>
<td>COURSE CREDITS:</td>
<td>3 credits</td>
</tr>
<tr>
<td>CATALOG DESCRIPTION:</td>
<td>This course approximately represents half of a typical first year algebra course. Topics include real numbers and their properties, linear equations and inequalities in one variable, the coordinate plane, linear systems in two variables, and exponents.</td>
</tr>
<tr>
<td>PREREQUISITES:</td>
<td>Grade of &quot;C&quot; or better in MATH 22 or equivalent, satisfactory math placement test score, or consent of instructor.</td>
</tr>
<tr>
<td>REQUIREMENTS COURSE SATISFIES AT WCC:</td>
<td>None.</td>
</tr>
<tr>
<td>ACTIVITIES REQUIRED AT SCHEDULED TIMES OTHER THAN CLASS TIMES:</td>
<td>Homework.</td>
</tr>
<tr>
<td>EFFECTIVE DATE:</td>
<td>Fall 1998</td>
</tr>
</tbody>
</table>
A. Goals of the Course

The goals of the course are:
1. To provide the student with fundamental concepts, properties and applications of elementary algebra.
2. To provide the student with mathematical background necessary to pursue advanced work in mathematics and in other areas.
3. To cultivate and enhance the student's mathematical ability to reason.
4. To develop and stimulate the student's problem-solving ability within the domain of mathematics.
5. To promote greater student appreciation and awareness of the role of algebra in the environment and culture.

B. Objectives of the Course

Upon completion of the course, the student will be able to:
1. Demonstrate competency in operations with rational numbers.
2. Employ algebraic concepts in finding the solution for equations and inequalities.
3. Investigate and interpret equations and inequalities geometrically.
4. Demonstrate proficiency in algebraic notation.
5. Employ and derive algebraic techniques to solve practical problems.
6. Identify, analyze, discuss and apply concepts and principles of the rational number system, exponents, linear equations and inequalities, and systems of linear equations and inequalities.
D. Mode of Instruction

The mode of instruction is primarily lecture-discussion. The initial portion of each class period may be utilized to discuss and clarify any questions from the preceding class meeting and/or assignment, and the remaining portion is used to discuss new material. After the completion of each unit of instruction, a review and an exam will be conducted.

E. Method of Grading

The student will demonstrate competency in the objectives by turning in assignments as requested, by taking in-class unit exams and quizzes, and by taking a final exam over concepts and skills covered in the entire course. Exams and quizzes are to be taken within the classroom environment and without any references unless otherwise stipulated by the instructor.

It will be the student's responsibility to obtain and complete all assignments which are given in any class meeting for which the student is unable to attend. Unless permission is granted by the instructor, assignments, tests and quizzes must be completed and submitted to the instructor at the specified date and time.

Points will be assigned to each exam, graded quiz and assignment that counts towards the student's grade. The student must achieve a minimum of 60% of the possible points for each unit exam. Furthermore, the student must achieve a minimum of 50% of the possible points for the final exam. Without these two minimum requirements, a passing grade and credit for the course is not possible.

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>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>Cr</td>
<td>70% - 100% of the cumulative points possible</td>
</tr>
<tr>
<td>N or 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>Incomplete - given when a student has failed to complete a small part of the course due to circumstances beyond his/her control.</td>
</tr>
</tbody>
</table>
Note: Cr/NC grades require written instructor consent. Students must apply for Cr/NC grading option at the Admissions Office by the 10th week of classes.

Note: W grade is given only when the student officially withdraws from the course at the Admissions Office by the 10th week of classes.
Syllabus for MATH 24 - Elementary Algebra I

1. The Real Number System (3 weeks)

2. Solving Equations and Inequalities and Applications (4 weeks)

3. Equations and Inequalities in Two Variables (3.5 weeks)

4. Linear Systems (3 weeks)

5. Exponents (2 weeks)