

MESABI RANGE COMMUNITY & TECHNICAL COLLEGE

Course Outline

Course Title: Beginning Algebra		Submitted By: Monica Pavek
Semester Course Prefix and Number: Math 0093		Approval Date:
Old Quarter Course Prefix and Number:		Revision Date: March 2011

Number of Credits: 3	Number of Lecture Credits: 3	
Semester(s) Offered: All	Number of Lab Credits:	Number of Lab Hours:
Class Size: 25	Number of Studio/Demonstration/Internship Credits:	
Negotiated by AASC on: (date)		

Course Purpose Code:

- 0** – Developmental Courses
- 1** – Non-transferable
- 2** – Technical course related to career programs
- 3** – College course which has the primary goal of applying certain concepts (e.g. vocal ensemble)
- 4** – Other college course not considered a part of MNTC (e.g. computer science, health, physical education)

- 5** – Course which is intended to fulfill the Minnesota Transfer Curriculum (MNTC) requirements or intended for transfer.
- 9** – Continuing Education/Customized Training specialized credit course (not occurring in 0-5)

Catalog Description:

This course is a review of operations with real numbers, polynomials, and exponents. Solutions of linear equations and applications; factoring; operations with rational expressions and solution of rational equations are also included in this course.

Prerequisites and/or recommended entry skills/knowledge:

Course Prerequisite(s): **MATH 0090**
Reading Prerequisite:
Composition Prerequisite:
Mathematics Prerequisite: **Placement by CPT Score or a grade of "C" or higher in MATH 0090**

Career Programs and Transfer Majors Accessing this Course:

Minnesota Transfer Curriculum Goal(s) partially met by this course if applicable:

(Notes: No more than two goals may be met by any one course. Curriculum Committee review and the Chief Academic Officer's approval are required.)

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| 0. <input checked="" type="checkbox"/> None | 6. <input type="checkbox"/> The Humanities and Fine Arts |
| 1. <input type="checkbox"/> Communications | 7. <input type="checkbox"/> Human Diversity |
| 2. <input type="checkbox"/> Critical Thinking | 8. <input type="checkbox"/> Global Perspectives |
| 3. <input type="checkbox"/> Natural Sciences | 9. <input type="checkbox"/> Ethical and Civic Responsibility |
| 4. <input type="checkbox"/> Mathematical/Logical Reasoning | 10. <input type="checkbox"/> People and the Environment |
| 5. <input type="checkbox"/> History and the Social and Behavioral Sciences | |

Learning Outcomes: (including any relevant competencies listed in the Minnesota Transfer Curriculum)

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

- Demonstrate proficiency in solving linear, quadratic equations.
- Demonstrate proficiency in using the properties of exponents.
- Demonstrate proficiency in factoring and simplifying radical expressions.

Student Assessment Methods:

Portfolio (notebook)

Quizzes

Homework

Exams

Use of Instructional Technology: (includes software, interactive video and other instructional technologies):

This course suggests the use of technology with the Hawkes Learning Systems' mastery-based homework and testing system.

Additional Special Information: (special fees, directives on hazardous materials, etc.)

Transfer Information: (Please list colleges/majors that accept this course in transfer.)

Course Outline Revision History:

Approvals:

Body	Representative Signatures	Date
Curriculum Committee		
Faculty Association		
Academic Affairs Standards Committee		
Chief Academic Officer		

Distribution: Original – Instructional Services

Copies: Transfer Specialist, Originating Faculty Member, Records

Revised: March 2010