Course Title: Intermediate Algebra
Semester Course Prefix and Number: Math 0095
Old Quarter Course Prefix and Number: 
Submitted By: Monica Pavek
Approval Date: 
Revision Date: December 18, 2018

Number of Credits: 4
Number of Lecture Credits: 4
Number of Lab Credits: 
Number of Lab Hours: 
Number of Studio/Demonstration/Internship Credits: 

Course Purpose Code:
X 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.
6 – Continuing Education/Customized Training specialized credit course (not occurring in 0-5)

Catalog Description:
This course is the study of operations on real numbers, manipulations of basic algebra expressions, operations with linear and absolute value expressions, solving linear equations and inequalities, graphs, equations of lines, functions, operations on polynomials and polynomial functions which include factoring and applications, exponents, radicals and rational exponents.

Prerequisites and/or recommended entry skills/knowledge:
Course Prerequisite(s):
Reading Prerequisite:
Composition Prerequisite:
Mathematics Prerequisite: Placement by CPT score

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. AASC review and the Chief Academic Officer’s approval are required.)
0. X None
1. Communications
2. Critical Thinking
3. Natural Sciences
4. Mathematical/Logical Reasoning
5. History and the Social and Behavioral Sciences
6. The Humanities and Fine Arts
7. Human Diversity
8. Global Perspectives
9. Ethical and Civic Responsibility
10. People and the Environment
**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 problem-solving skills.
- Demonstrate proficiency in operations with whole numbers, fractions, decimals, and integers.
- Demonstrate proficiency in ratios, proportions and percents.
- Demonstrate proficiency by setting up and solving linear equations.
- Demonstrate proficiency quadratic equations using factoring.
- Demonstrate proficiency in using the properties of exponents.
- Demonstrate proficiency in factoring special cases of higher order polynomials.
- Demonstrate proficiency in simplifying radical expressions.

**Student Assessment Methods:** May include:

- Portfolios (Notebook)
- Quizzes
- Homework
- Exams

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

This course may use technology such as a mastery-based homework and testing system software. Also may use On Line Educational Resources.

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

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

**Affiliated Mesabi Range College Courses and Programs:**

This course is a developmental mathematics course.

**Approvals:**

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<th>Body</th>
<th>Representative Signatures</th>
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<tbody>
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<td>Faculty Association</td>
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**Distribution:** Original – Instructional Services

**Copies:** Transfer Specialist, Originating Faculty Member, Records

**Revised:** December 2012