

Cover Page

MTE 7

Developmental Mathematics

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Program Head: Amy Williamson

Dean's Review:

Dean's Signature: _____ Date Reviewed: ___/___/___

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MTE 7

Developmental Mathematics

COURSE OUTLINE

Prerequisites and Course Description:

| COURSE TITLE | CREDITS | COURSE DESCRIPTION |
|--|----------|---|
| MTE 7: Rational Expressions and Equations | 1 credit | Includes simplifying rational algebraic expressions, solving rational algebraic equations and solving applications that use rational algebraic equations. Credit for this course can be achieved by completing the appropriate MTT course. Credit is not applicable toward graduation. Prerequisite: MTE 6 or qualifying placement score |

Semester Credits: 1 Lecture Hours: 1

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Course Outcomes

At the completion of this course, the student should be able to:

| Unit | Unit Name | Unit Description |
|-------|------------------------------------|--|
| MTE 7 | Rational Expressions and Equations | The student will simplify rational algebraic expressions, solve rational algebraic equations and use them to solve application problems. |

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Required Materials:

Headphones, 3-ring Binder

MTE 7 also requires a Scientific Calculator

Textbook:

Foundations of Mathematics for Virginia, Access Code, Hawkes Learning, ISBN #:
9781941552643

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Topical Description:

Each Unit requires the student to complete 8 Homework Assignments, a Practice Test, Personalized Review, and a Final Exam. A student must complete the homework assignments and review with 90% accuracy. In order to pass the unit a student must pass the final exam with a minimum score of 75%. As a minimum pace, the student must complete 5 assignments and/or Final Exams every two weeks. Below is a list of which sections in the book are covered on each homework assignment.

MTE 7 – Rational Expressions and Equations (Scientific Calculator)

HW 1: Section 15.1

HW 2: Section 15.2

HW 3: Section 15.3 (Like Denominators)

HW 4: Section 15.3 (LCD)

HW 5: Section 15.4

HW 6: Section 15.5

HW 7: Section 15.6

HW 8: Section 15.7

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