

UCC Document # 212

College Document # _____

Review Type: Edit Exp Full**CATALOG YEAR 2012-2013**COLLEGE/SCHOOL/SECTION: College of Arts and Sciences/Humanities, Behavioral
and Social Sciences,**Course: DMAT 0314**Add: x Delete: (check all that apply) Change: Number Title SCH Description Prerequisite **Response Required:** New course will be part of major minor as a required x
or elective course

Required for mathematics developmental students as a pre-requisite for college level math.

Response Required: New course will introduce , reinforce x , or apply conceptsIf new, provide Course Prefix, Number, Title, **Measurable** Student Learning Outcomes, SCH Value, Description, prerequisite, and lecture/lab hours if applicable. If in current online catalog, provide change and attach text with changes in red and provide a brief justification.**Course Description**

DMAT 0314 Accelerated Intermediate Algebra. Three semester hours.

Course is paired with MATH 1314 and is designed to review mathematics skills, including number concepts, computation, elementary algebra, geometry and mathematical reasoning. It provides the necessary academic support for advanced developmental students concurrently enrolled in MATH 1314. Students completing course successfully will earn University credit but not credit toward graduation. Prerequisite: Successful completion of DMAT 0300, test placement, or recommendation of TSI academic advisor.

Student Learning Outcomes

1. perform basic skills such as working with integers, order of operation and fractions
2. set up and solve basic polynomial, rational, radical, exponential, and logarithmic equations and inequalities of one variable, and systems of linear and non-linear equations two or more variables
3. sketch the graphs of equations and inequalities,
4. perform operations of complex numbers and solve equations
5. perform operations of matrices and apply matrices to solve problems, such as systems of linear equations
6. derive theorems and formulas such as quadratic formula, distance formula, equation of circles and remainder and factor theorems.

Other: Add information: ____ Change information: ____ Attach new/changed information. If in current online catalog, provide change and attach text with changes in red.

Approvals:	Signature	Date
Chair Department Curriculum Committee	_____	_____
Chair Department	_____	_____
Chair College Curriculum Committee	_____	_____
Dean	<u>C. H. H.</u>	<u>2/22/13</u>

04/2011