

COURSE OUTCOME MATRIX

COURSE SYLLABUS

PART 2 of 3

Course Number and Title	MT121/121E College Mathematics for General Education/Enhanced
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Credit Hours	4
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Course Description	MT 121: A study of several topics in mathematics including probability and statistics, measurement systems, formula manipulation and equation solving, geometry, and consumer math with a focus on applications throughout the course. MT 121E: A study of fundamental topics in mathematics to include arithmetic, algebra, geometry, measurements, statistics, and problem solving with a focus on applications. and probability. This course is designed to give additional support and review to those students who lack a strong background in math skills.
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Prerequisite(s) and/or Corequisite(s)	Minimum acceptable test scores for placement in college-level math (quantitative reasoning). MT 121E (Enhanced) is for students whose placement test scores do not allow direct entrance into MT 121.
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Required Textbooks/References/Course Materials:

No textbook purchased via MBS. Course materials covered via the ALEKS fee.

	General Education Outcomes
1	Utilize written and verbal language to discuss and comprehend information, incorporating a variety of technologies, such as text, data, and images (written language, verbal language, and information technology).
2	Identify and interpret relevant information in order to formulate an opinion or conclusion (critical thinking).
3	Demonstrate and communicate computational methods and mathematical reasoning in a variety of formats (using words, tables, graphs, mathematical equations, etc., as appropriate) (quantitative literacy and fluency).
4	Communicate in appropriate ways with those who are culturally diverse (intercultural competence).

	Program/Department Outcomes
1	Develop the analytical and quantitative reasoning skills to communicate mathematical reasoning and apply mathematics in a variety of settings.
2	Use a variety of technological tools to collect, display, analyze, and communicate information symbolically, orally and in writing.
3	Use critical thinking and problem-solving skills in conjunction with a variety of models and methods in order to define, represent, and solve mathematical problems.
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	Course Outcomes (CO)	Bloom's Domain for CO (C, A, P), Category, and Level	Program/ Department Outcome(s)	Written Language	Verbal Language	Information Technology	Critical Thinking	Quantitative Literacy and Fluency	Intercultural Competence
1	Recognize that mathematical and statistical methods have limits to apply and communicate mathematical concepts in a variety of settings.	C-Understanding (2)	1,2,3	1	0	0	1	1	0
2	Interpret and draw inferences from mathematical models such as formulas, graphs, and tables.	C-Understanding (2)	1,2,3	1	0	0	1	1	0
3	Represent mathematical information symbolically, visually, numerically, and verbally.	C-Understanding (2)	1,2,3	1	0	0	1	1	0
4	Use arithmetical, algebraic, geometric and statistical methods to solve problems.	C-Understanding (2)	1,2,3	1	0	0	1	1	0
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6									
7									
8									
9									
10									

Bloom's Domain Legend

C = Cognitive
A = Affective
P = Psychomotor

General Education Outcome Legend

2 = Included and Measurable
1 = Introduced and/or Minimally Addressed and Not Measurable
0 = Not included

Approved: October 14, 2021
Reviewed: November 5, 2021