



COURSE OUTLINE

MTH136

1

Prepared: Mathematics Department Approved: Sherri Smith

Course Code: Title	MTH136: PRE-HEALTH MATHEMATICS 2																
Program Number: Name	3030: PRE-HEALTH SCIENCES																
Department:	MATHEMATICS																
Semester/Term:	18S																
Course Description:	This course is the second level mathematics course for the Pre-Health Sciences program. Building on the concepts explored in the first course, the focus is on quadratic, exponential, and logarithmic functions. A variety of data analysis techniques is also explored.																
Total Credits:	3																
Hours/Week:	3																
Total Hours:	45																
Prerequisites:	MTH135																
Essential Employability Skills (EES):	#3. Execute mathematical operations accurately. #4. Apply a systematic approach to solve problems. #11. Take responsibility for ones own actions, decisions, and consequences.																
Course Evaluation:	Passing Grade: 50%, D																
Evaluation Process and Grading System:	<table><tr><th>Evaluation Type</th><th>Evaluation Weight</th></tr><tr><td>Unit 1: Application Test</td><td>10%</td></tr><tr><td>Unit 1: Quiz</td><td>5%</td></tr><tr><td>Unit 1: Test</td><td>20%</td></tr><tr><td>Unit 2: Test (exponential functions)</td><td>17%</td></tr><tr><td>Unit 2: Test (logarithmic functions)</td><td>18%</td></tr><tr><td>Unit 3: Application Test</td><td>10%</td></tr><tr><td>Unit 3: Test</td><td>20%</td></tr></table>	Evaluation Type	Evaluation Weight	Unit 1: Application Test	10%	Unit 1: Quiz	5%	Unit 1: Test	20%	Unit 2: Test (exponential functions)	17%	Unit 2: Test (logarithmic functions)	18%	Unit 3: Application Test	10%	Unit 3: Test	20%
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Books and Required Resources:	Pre-Health Mathematics by Pearson Custom																



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2

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Calculator (SHARP Scientific Calculator)

Course Outcomes and Learning Objectives:

Course Outcome 1.

Solve quadratic equation by factoring, using quadratic formula, and graphically.

Learning Objectives 1.

Course Outcome 2.

Graph exponential and logarithmic equations.

Learning Objectives 2.

Course Outcome 3.

Solve exponential and logarithmic equations.

Learning Objectives 3.

Course Outcome 4.

Interpret, analyze, and summarize data graphically and numerically using a variety of tools and strategies.

Learning Objectives 4.

Course Outcome 5.



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3

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Solve applied problems involving quadratic, exponential, and logarithmic functions as well as scenarios involving normal distribution.

Learning Objectives 5.

Date:

Thursday, August 31, 2017

Please refer to the course outline addendum on the Learning Management System for further information.