COURSE OUTLINE: MTH132 - EVERY DAY MATH

Prepared: Mathematics Department
Approved: Bob Chapman, Chair, Health

Course Code: Title	MTH132: EVERY DAY MATHEMATICS
Program Number: Name	1115: GAS-UNIV TRANSFER
Department:	MATHEMATICS
Semesters/Terms:	22W
Course Description:	This course provides students with the ability to apply mathematics in their daily lives. Students will learn how to reason, and interpret with information involving mathematics and numbers. Students will develop skills in problem solving and analysis, which can be applied to personal decision making and to the evaluation of concerns in society.
Total Credits:	3
Hours/Week:	3
Total Hours:	45
Prerequisites:	There are no pre-requisites for this course.
Corequisites:	There are no co-requisites for this course.
Essential Employability Skills (EES) addressed in this course:	EES 3 Execute mathematical operations accurately. EES 4 Apply a systematic approach to solve problems. EES 5 Use a variety of thinking skills to anticipate and solve problems. EES 10 Manage the use of time and other resources to complete projects.
General Education Themes:	Social and Cultural Understanding Personal Understanding
Course Evaluation:	Passing Grade: 50%, D A minimum program GPA of 2.0 or higher where program specific standards exist is required for graduation.
Books and Required Resources:	Basic College Mathematics by Lial, Salzman, Westwood Publisher: Pearson Edition: 9th ISBN: 9780321900388 Calculator - Sharp EL-520XTB (available in the bookstore)

Course Outcomes and Learning Objectives:	**Course Outcome 1**	**Learning Objectives for Course Outcome 1**
	1. Represent mathematical information symbolically,	1.1 Show the relationship of a quantity with respect to another by using words, a table, an equation, a picture, or a graph.

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visually, numerically, and verbally.	1.2 Apply the most appropriate representation method for the situation.
Course Outcome 2	**Learning Objectives for Course Outcome 2**
2. Interpret mathematical models such as formulas, graphs, and tables, and draw inferences from them.	2.1 Manipulate and analyze formulas of linear and non-linear relations. 2.2 Use a variety of types of graphs and tables to obtain information. 2.3 Predict some aspect of the behaviour of a particular phenomenon or process.
Course Outcome 3	**Learning Objectives for Course Outcome 3**
3. Use arithmetical, algebraic and statistical methods to solve problems.	3.1 Apply guidelines for problem solving to specific situations. 3.2 Formulate basic algebraic, graphical, or statistical solutions to problems.
Course Outcome 4	**Learning Objectives for Course Outcome 4**
4. Think critically about, and apply logic to quantitative issues that confront them in their personal lives and as citizens.	4.1 Examine and evaluate scientific claims. 4.2 Analyze the validity, accuracy and/or conclusions of the statistics in the news media, opinion polls, or reports of research.
Course Outcome 5	**Learning Objectives for Course Outcome 5**
5. Recognize that mathematical and statistical methods have limits.	5.1 Recognize that some scientific claims may be biased or inaccurate. 5.2 Give examples of the possible inaccuracy of estimates in measurement due to biases and/or random and systematic errors. 5.3 Examine methods used with respect to their appropriateness for the given situation.

Evaluation Process and Grading System:

Evaluation Type	Evaluation Weight
Assignments/Quizzes/Attendance	30%
Tests	70%

Date: December 21, 2021

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

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