Prepared: Mathematics Department Approved: Sherri Smith

Course Code: Title	MTH132: EVERY DAY MATHEMATICS
Program Number: Name	9999: CONTINUING EDUCATION
Department:	MATHEMATICS
Semester/Term:	18W
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
Essential Employability Skills (EES):	#3. Execute mathematical operations accurately. #4. Apply a systematic approach to solve problems. #5. Use a variety of thinking skills to anticipate and solve problems. #10. Manage the use of time and other resources to complete projects.
Course Evaluation:	Passing Grade: 50%, D
Evaluation Process and Grading System:	

Evaluation Type	Evaluation Weight
Assignments	20%
MyMathLab Homework/Quizzes	20%
Tests (4)	60%

Books and Required Resources:	Basic College Mathematics by Lial, Salzman, Westwood Publisher: Pearson Edition: 9 ISBN: 0321900383
Course Outcomes and Learning Objectives:	**Course Outcome 1.** Represent mathematical information symbolically, visually, numerically, and verbally.

Prepared: Mathematics Department Approved: Sherri Smith

Learning Objectives 1.

- Show the relationship of a quantity with respect to another by using words, a table, an equation, a picture, or a graph.
- Apply the most appropriate representation method for the situation.

Course Outcome 2.

Interpret mathematical models such as formulas, graphs, and tables, and draw inferences from them.

Learning Objectives 2.

- Manipulate and analyze formulas of linear and non-linear relations.
- Use a variety of types of graphs and tables to obtain information.
- Predict some aspect of the behaviour of a particular phenomenon or process.

Course Outcome 3.

Use arithmetical, algebraic and statistical methods to solve problems.

Learning Objectives 3.

- Apply guidelines for problem solving to specific situations.
- Formulate basic algebraic, graphical, or statistical solutions to problems.

Course Outcome 4.

Think critically about, and apply logic to quantitative issues that confront them in their personal lives and as citizens.

Learning Objectives 4.

Prepared: Mathematics Department Approved: Sherri Smith

	• Examine and evaluate scientific claims. • Analyze the validity, accuracy and/or conclusions of the statistics in the news media, opinion polls, or reports of research. **Course Outcome 5.** Recognize that mathematical and statistical methods have limits. **Learning Objectives 5.** • Recognize that some scientific claims may be biased or inaccurate. • Give examples of the possible inaccuracy of estimates in measurement due to biases and/or random and systematic errors. • Examine methods used with respect to their appropriateness for the given situation.
Date:	Thursday, August 31, 2017
	Please refer to the course outline addendum on the Learning Management System for further information.