

# SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ONTARIO



Sault College

## COURSE OUTLINE

**COURSE TITLE:** Mathematics  
**CODE NO. :** MTH 129 **SEMESTER:** 2  
**PROGRAM:** Chef Training  
**AUTHOR:** Updated by J. Sufady for the Mathematics Department  
**DATE:** December 7, 2004 **PREVIOUS OUTLINE DATED:** March 2004  
**APPROVED:**

	<hr/> DEAN	<hr/> DATE
<b>TOTAL CREDITS:</b>	32	
<b>PREREQUISITE(S):</b>	None	
<b>HOURS/WEEK:</b>	2	

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*For additional information, please contact C. Kirkwood, Dean  
School of Technology, Skilled Trades & Natural Resources  
(705) 759-2554, Ext.688*

**I. COURSE DESCRIPTION:**

The course will increase the student's accuracy and skill in performing the arithmetic calculations that will be encountered in this profession. Emphasis will be placed on practical problem solving.

**II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:**

Upon successful completion of this course, the student will demonstrate the ability to:

1. Add, subtract, multiply and divide fractions and integers
2. Convert percentages to fractional and decimal form and vice-versa
3. Solve simple linear equations as related to cooking calculations
4. Solve problems involving ratio and proportion
5. Convert from metric to Imperial to the U.S. system and vice versa
6. Calculate the mean, median and the mode for a set of data ; construct pie charts and be able to read both pie-charts and frequency histograms

**III. TOPICS:**

1. Whole Numbers, Fractions, and Decimals
2. Percents - Conversion to and from Fractions and Applications
3. Interest Calculations
4. Metric Conversion
5. Statistics, tables and graphs

**IV. REQUIRED RESOURCES/TEXTS/MATERIALS:****Math for Life and Food Service: Lynn Gudmundse**

Calculator: (Recommended) SHARP Scientific Calculator EL-531G. *The use of some kinds of calculators may be restricted during tests.*

**V. EVALUATION PROCESS/GRADING SYSTEM:**

*<give breakdown of tests/assignments and their weights relative to calculating the final grade for the course>*

The following semester grades will be assigned to students:

<b>Grade</b>	<b><u>Definition</u></b>	<b><i>Grade Point Equivalent</i></b>
A+	90 – 100%	4.00
A	80 – 89%	
B	70 - 79%	3.00
C	60 - 69%	2.00
D	50 – 59%	1.00
F (Fail)	49% and below	0.00
CR (Credit)	Credit for diploma requirements has been awarded.	
S	Satisfactory achievement in field /clinical placement or non-graded subject area.	
U	Unsatisfactory achievement in field/clinical placement or non-graded subject area.	
X	A temporary grade limited to situations with extenuating circumstances giving a student additional time to complete the requirements for a course.	
NR	Grade not reported to Registrar's office.	
W	Student has withdrawn from the course without academic penalty.	

**VI. SPECIAL NOTES:****Special Needs:**

If you are a student with special needs (e.g. physical limitations, visual impairments, hearing impairments, or learning disabilities), you are encouraged to discuss required accommodations with your professor and/or the Special Needs office. Visit Room E1101 or call Extension 703 so that support services can be arranged for you.

Retention of Course Outlines:

It is the responsibility of the student to retain all course outlines for possible future use in acquiring advanced standing at other postsecondary institutions.

Plagiarism:

Students should refer to the definition of “academic dishonesty” in *Student Rights and Responsibilities*. Students who engage in “academic dishonesty” will receive an automatic failure for that submission and/or such other penalty, up to and including expulsion from the course/program, as may be decided by the professor/dean. In order to protect students from inadvertent plagiarism, to protect the copyright of the material referenced, and to credit the author of the material, it is the policy of the department to employ a documentation format for referencing source material.

Course Outline Amendments:

The professor reserves the right to change the information contained in this course outline depending on the needs of the learner and the availability of resources.

Substitute course information is available in the Registrar's office.

*<include any other special notes appropriate to your course>*

**VII. PRIOR LEARNING ASSESSMENT:**

Students who wish to apply for advanced credit in the course should consult the professor. Credit for prior learning will be given upon successful completion of a challenge exam or portfolio.

**VIII. DIRECT CREDIT TRANSFERS:**

Students who wish to apply for direct credit transfer (advanced standing) should obtain a direct credit transfer form from the Dean's secretary. Students will be required to provide a transcript and course outline related to the course in question.