

**COURSE CODE/TITLE:** Mathematics 1135 FDE – Math for NNEP Students I

### **INSTRUCTOR INFORMATION**

Instructor: Susan Girardin

Please use the WebCT Course E-Mail to contact me. I check my email daily and will do my best to respond to you within 24 hours.

Phone messages can be left for me in these ways:

- 1) Contact Ghislaine Attema, Project Coordinator (807) 626-2317 cell.
- 2) Contact Lori Fleming, NNEP Administrative Assistant (807) 343-8446 office.

Written assignments and tests should be faxed to the NNEP Office (807) 346-7824 with the cover sheet.

Prior to the beginning of the course and after the end of the course I can be contacted by Lakehead University email at [sgirardi@lakeheadu.ca](mailto:sgirardi@lakeheadu.ca).

### **CALENDAR DESCRIPTION**

Students will be taught the principles of mathematics, both mechanics and applications, in relation to whole numbers, common fractions, decimal fractions, ratio and proportion, and percent. Students will also be taught about weights and measures, including the metric and English systems, computing dosages, and temperature.

### **COURSE DESCRIPTION**

Students will gain competence with numerical calculations and problem solving methods. Students will apply the skills to solving problems in the health field.

### **VIDEOCONFERENCES**

Video conference classes will be held twice a week. Please come to class a few minutes early in order to ensure that the technology is working so that we can start on time.

### **COURSE TOOLS & MATERIALS**

- 1) Textbook: Aufmann, R.N. and Lockwood, J.S. (2011, 2009) Basic College Mathematics: An Applied Approach - 9th ed. Belmont, CA: Brooks/Cole.
- 2) Fraction Kit
- 3) Ruler

**Note:** This course, including assignments, quizzes, tests, and exams, is to be completed without the use of a calculator.

## **COURSE TOPICS**

### **Numerical:**

- a) Whole Numbers
- b) Common Fractions
- c) Decimals

### **Ratio & Proportion and Percent:**

- a) Ratio and Proportion
- b) Introduction to Percent
- c) Calculations
- d) Applications and Dosage Calculations
- e) Conversions

### **Measurement:**

- a) English System (Mechanics and Applications)
- b) Metric System (Mechanics and Applications)
- c) Temperature

## **STUDENT EVALUATION**

Test #1 Numerical	15% (invigilated in class)
Test #2 Ratio & Proportion and Percent	15% (invigilated in class)
Test #3 Measurement	15% (invigilated in class)
Final Exam (Covers entire course)	35% (invigilated in class)
Assignments (5)	10%
Quizzes (5)	<u>10%</u> (online)
	100%

### **Notes:**

All due dates for assignments and quizzes as well as dates for tests and the final exam are contained in the Due Dates at a Glance document. If you have any concerns, please contact me.

The three tests will be written during class time and invigilated by video conference. Once you have finished writing a test, you will need to fax it to me at the NNEP Office.

There will be 5 short quizzes done on WebCT.

There will be 5 assignments during the course. You will need to fax your completed assignments to me at the NNEP Office by the due date. Alternatively, if you have access to a scanner, you can scan your completed assignment and hand it in by WebCT email. Assignments will be given a mark ranging from 0 to 3. An answer receives a mark of 0 if there is no work shown. A full solution worth 3 marks includes: your work (clearly shown), explanation of strategies used, a closing sentence, the correct answer, proper units, and possibly a diagram depending on the type of question.

The final exam covers the entire course.

## TIPS FOR SUCCESS

- 1) Take responsibility for your learning.
- 2) Attend class.
- 3) Come prepared for class. Bring your notes and textbook.
- 4) Participate in class – ask questions, answer questions, and follow along with problem being done.
- 5) Do your homework before the next class. The course material builds on previous content – you can get lost if you don't keep up with your homework.
- 6) Ask for help (from instructor or classmates).
- 7) Don't be afraid to make mistakes!!

## COURSE AND UNIVERSITY POLICIES

Attendance is an expectation.

Tests must be written on the scheduled date. If, due to *extenuating circumstances*, you are unable to write the test on the assigned date, prior notification must be given to me as to why you are unable to write on that date.

Lakehead University's Academic Dishonesty policy (see below) applies to our Assignments, Quizzes, Tests, and Exams in the following ways:

Students need to do their own work. Copying from someone else's work is an act of academic dishonesty. Facilitating an act of academic dishonesty (i.e. letting someone copy your work) is also a violation of the policy. For the assignments, students are encouraged to discuss ideas but the final product must represent your own strategies and reasoning. Quizzes, tests, and exams must be completed individually.

Please take this seriously. Repeated violations of academic integrity can have severe consequences. If you need clarification of the policy, you are welcome to talk to me about it.

### Academic Dishonesty

The University takes a most serious view of offences against academic honesty such as plagiarism, cheating and impersonation. Penalties for dealing with such offences will be strictly enforced.

A copy of the "Code of Student Behaviour and Disciplinary Procedures" including sections on plagiarism and other forms of misconduct may be obtained from the Office of the Registrar or online at <http://policies.lakeheadu.ca/policy.php?pid=60>

The following rules shall govern the treatment of candidates who have been found guilty of attempting to obtain academic credit dishonestly.

- a. The minimum penalty for a candidate found guilty of plagiarism, or of cheating on any part of a course will be a zero for the work concerned.

- b. A candidate found guilty of cheating on a formal examination or a test, or of serious or repeated plagiarism, or of unofficially obtaining a copy of an examination paper before the examination is scheduled to be written, will receive zero for the course and may be expelled from the University.

Students disciplined under the Code of Student Behaviour and Disciplinary Procedures may appeal their case through the Judicial Panel.

Note: "Plagiarism" shall be deemed to include:

1. Plagiarism of ideas as where an idea of an author or speaker is incorporated into the body of an assignment as though it were the writer's idea, i.e., no credit is given the person through referencing or footnoting or endnoting.
2. Plagiarism of words occurs when phrases, sentences, tables or illustrations of an author or speaker are incorporated into the body of a writer's own, i.e., no quotations or indentations (depending on the format followed) are present but referencing or footnoting or endnoting is given.
3. Plagiarism of ideas and words as where words and an idea(s) of an author or speaker are incorporated into the body of a written assignment as though they were the writer's own words and ideas, i.e., no quotations or indentations (depending on format followed) are present and no referencing or footnoting or endnoting is given.