COURSE STATEMENT
MCF 3M

LAMBTON CENTRAL COLLEGIATE AND VOCATIONAL INSTITUTE

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Welcome to Grade 11 College/University Preparation Mathematics. This is a summary sheet for parents and students which outlines our course evaluation and expectations.

TEACHER: Mr. J. Hagan   **TEXT**:   Functions and Applications 11 (Nelson)
Course Name: Grade 11 Functions and Applications
Course Code: MCF 3M
Credit Value: 1
Ministry Document: The Ontario Curriculum Guide 11, Mathematics, 2006
Development Date: September 2006

Mission Statement:

Teachers at LCCVI are dedicated at providing the following:
- ✓ access for all students
- ✓ a safe learning environment
- ✓ quality educational opportunities
- ✓ high professional standards.

Course Description:
This course introduces some financial applications of mathematics and extends students' experiences with functions. Students will solve problems in personal finance involving applications of sequences and series; investigate properties and applications of trigonometric functions; develop facility in operating with polynomials, rational expressions, and exponential expressions; develop an understanding of inverses and transformations of functions; and develop facility in using function notation and in communicating mathematical reasoning.

Overall and Specific Curriculum Expectations:
Refer to the Ministry of Education document entitled "The Ontario Curriculum Grade 11, Mathematics, 2006" which is available in the main office, from your teacher, or on the Ministry of Education website (http://www.edu.gov.on.ca/eng/curriculum/secondary/subjects.html)

Course Content Outline:

Quadratic Functions
- Expand and simplify quadratic expressions
- Solve quadratic equations and relate the roots to the corresponding graph
- Understand various representations of quadratic functions
- Solve problems involving quadratic functions

Exponential Functions
- Understand exponents and the various representations of exponential functions
- Solve problems involving exponential functions
- Understand compound interest and annuities and solve related problems

Trigonometric Functions
- Solve problems involving trigonometry and in acute triangles using the sine law and the cosine law
- Understand periodic relationships and the sine function
- Understand various representations of sine functions
- Solve problems involving sine functions

Assessment and Evaluation Strategies:

There are four achievement categories of knowledge and skills that encompass all the curriculum expectations in the Ontario Curriculum for *Functions and Applications*. The four categories and their value for the term are as follows:

Knowledge	35%
Thinking	30%
Communication	15%
Application	20%

The breakdown of your mark will be based on your level of achievement as follows:

Term Work – 70%

The above achievement categories will be used to evaluate tests, quizzes, assignments, etc. as part of your term mark.

Final Examination / Culminating Activity – 30%

All students** **must participate in the culminating activity sometime during the last two weeks of the semester, where applicable, and / or write a final examination based on the entire semester's work during the end of semester exam period. There are no exemptions for this exam.

Learning Skills

Provincial Report Cards will be marked with each student's performance in the five Learning Skills areas:

1. Responsibility   2. Organization   3. Independent Work   4. Collaboration   5. Initiative   6. Self-Regulation

These Learning Skills will be assessed regularly by your teacher. They are an important statistic to understand how well students perform in the class. These are not considered in the determination of the final grade. For each of the Learning Skills one of the following achievement letters will be given:

E = Excellent   G = Good   S = Satisfactory   N = Needs Improvement

ATTENDANCE

Regular attendance is vital to the process of learning. When the process and content of learning is disrupted by irregular attendance, both the individual and his/her classmates suffer a loss of experience that cannot be entirely regained. Students who miss class will suffer in the process because their participation and achievement cannot be fully assessed. Students are expected to complete any expectations missed due to absence.

ACADEMIC HONESTY
Consequences for Academic Dishonesty on Assignments:

Professional judgment of the teacher is taken into account to determine the degree of academic dishonesty and appropriate consequences.

Grades 9 and 10 – Student will redo the assigned work. The student will receive a 25 per cent deduction on their assignment. If assignment is not completed and handed in within the time frame specified by the teacher, a mark of zero will be recorded. Subsequent occurrences may result in a mark of zero.

Grade 11 - Student will redo the assigned work. The student will receive a 50 per cent deduction on their assignment. If assignment is not completed and handed in within the time frame specified by the teacher, a mark of zero will be recorded. Subsequent occurrences may result in a mark of zero.

Grade 12 – A mark of zero will be assigned. There will be no opportunity for the assignment to be re-evaluated.
Note: Consequences may vary depending on the grade and level of a course.

Consequences for Academic Dishonesty on Tests:

1. Teacher has a conversation with the student about the incident.
2. If cheating has been determined, the student is assigned a mark of zero.
3. Parents are informed if student is under 18 years old.
4. In Grades 9 to 12, administration is informed if situation is not resolved.

Consequences for Academic Dishonesty on Exams:
1. If cheating is suspected during the exam, student is allowed to complete exam.
2. If cheating has been determined during or after the exam there will be a conference involving administration, teacher and the student. A mark of zero will be assigned.
3. Parents are informed if student is under 18 years old.

Appeals Process: Appeals will be requested through the teacher to the administration if the situation is not resolved.

LATE POLICY
The staff and students of LCCVI recognize that deadlines need to be in place to help students develop time management skills and strategies. Where in the teacher's professional judgment it is appropriate to do so, a number of strategies may be used to help prevent and/or address late and missed assignments. After many of these strategies have been implemented and documented the teacher may deduct marks for a late assignment.

Students are expected to submit all assignments within the time frame specified by the teacher. Teachers will consider extenuating circumstances when assignments are late. If an assignment is late, **10% MAY** be deducted per school day, up to a maximum of **40%**. Once assignments have been returned to students, any late submissions **MAY** receive a mark of zero.

Please sign and return this to your teacher by _____ _____ ___ Should you have any questions or concerns, please contact the teacher at 882-1910.

I have read and understand the handout on course expectations and evaluation policies.
Student Signature:_____ Parent/Guardian Signature: _____
Date:_____ Date: _____