

Foundations Math 11 – ONLINE - Course Outline

Read this course outline before starting your course

Course Overview

Course content is delivered entirely online while assignments are submitted on paper, or by digital delivery through an online “drop-box”. This course consists of 4 modules. Each module consists of 1 to 2 units. Each unit consists of a group of lessons. After each unit is a send-in assignment that is submitted for marking and after each module is a supervised test that must be written.

Accessing Your Course

You will be sent an email containing a link giving direct access to your course, along with your logins and passwords. If you have problems logging in, contact the school.

Course Evaluation

Assignments	25% of final mark
Tests	75% of final mark
Total Mark	100%

Materials Required for the Course

Graphing Calculator, Grid Paper, Computer with Internet Access, Email Account

Important ** Important ** Important

1. Email is one of the best ways to communicate with your teacher. If leaving a message by phone, be sure to leave a clear message with your name and phone number.
2. To book a test call the school and ask for the testing center. Our test supervisor will help you to arrange a time that works for you. If leaving a message on her answering machine, speak clearly and leave your full name and phone number.
3. Tests written prior to assignment submissions are held for marking until the assignments are received.
4. **There are no test rewrites and no assignment resubmissions.** Do not send in blank questions. Seek the help you need before your paper is marked, not after.
5. Self Marking Assignments. Each lesson has self-marking activities with answer keys provided. Checking your work, helps check your understanding as you proceed through the course. Do all practice work before attempting your send in assignments.
6. **Updates, Errors, and Omissions** - Check your teacher's website for any updates, errors, or omissions to your course materials before beginning. If you find a mistake that has not been identified, help others by reporting it to your teacher.

7. **Lost Assignments** - If an assignment is lost in transit, students are required to resubmit the "lost assignments" for marking. It is a good idea to make a copy of your assignment before submitting it.
8. Contact your teacher if you will not be working on your course for a period of time
9. **Course Expiry** - You have 12 months from the start of your course before your course expires without extension.
10. **If you need to complete a percent of this course to attend your school valedictory ceremony, you must have that percent of the course completed and turned in by April 15 at the latest.** Previous experiences have shown that failure to meet this deadline will prevent you from participating in the Valedictory Ceremony.
11. **Academic Probation and Withdrawal** - Students must be actively working on their courses on a regular basis as indicated by submission of assignments, test completion, or communication with their teacher. Lack of regular activity results in a student being placed on Academic Probation. Continued lack of activity then results in withdrawal from the course. Contact you teacher if you need more than three weeks to submit your next assignment or write your next test, or if you are getting behind. It is your responsibility to communicate your circumstances to your teacher

Foundations Math 11 – Completion Schedule

DE allows students flexibility in school work; sticking to a schedule ensures timely completion to achieve your goals. **Use the following table to complete your course in 19 weeks (1 semester).** You may choose to complete the course faster or slower. You have one year until your course expires.

Week	Activities
Week 1	Module 1 – Unit 1 – Lessons 1, 2
Week 2	Module 1 – Unit 1 – Lessons 3, 4
Week 3	Module 1 – Unit 1 – Lessons 5, 6, Send-In Assignment for Unit 1
Week 4	Module 1 – Unit 2 – Lessons 1, 2
Week 5	Module 1 – Unit 2 – Lessons 3, Send in Assignment for Unit 2
Week 6	Module 2 – Unit 3 – Lessons 1, 2, 3
Week 7	Review for Module 1 Test Write Module 1 Test Module 2 – Unit 3 – Lessons 4, 5, Send-In Assignment for Unit 3
Week 8	Module 2 – Unit 4 – Lesson 1, 2
Week 9	Module 2 – Unit 4 – Lessons 3, 4, Send-In Assignment for Unit 4
Week 10	Module 3 – Unit 5 – Lessons 1, 2, 3
Week 11	Review for Module 2 Test Write Module 2 Test Module 3 – Unit 5 – Lessons 4, 5 Send in Assignment for Unit 5
Week 12	Module 4 – Unit 6– Lessons 1, 2
Week 13	Review for Module 3 Test Write Module 3 Test Module 4 – Unit 6 – Lessons 3, 4
Week 14	Module 4 – Unit 6 – Lesson 5, 6 Send in Assignment for Unit 6
Week 15	Module 4 – Unit 7 – Lesson 1, 2
Week 16	Module 4 – Unit 7 – Lessons 3, 4
Week 17	Module 4 – Unit 7 – Lessons 5 & Send In Assignment for Unit 7
Week 18	Review for Module 4 Test
Week 19	Write Module 4 Test

Module 1: Inductive & Deductive Reasoning, Properties of Angles & Triangles

Unit 1 – Inductive & Deductive Reasoning: Conjectures & Inductive Reasoning; Validity and Disproving Conjectures; Conjectures & Deductive Reasoning; NonValid Proofs; Solving Problems through Reasoning; analyzing Puzzles and Games; Send-In Assignment

Unit 2 – Properties of Angles and Triangles: Lines, Angles, and Transversals; Angle Properties of Triangles; Angle Properties in Polygons; Send-In Assignment

Module 2: Non-Right Angles Triangle Trigonometry; Systems of Linear Inequalities

Unit 3 – Non-Right Angled Triangle Trigonometry: Cosine Law; Applications of Cosine Law; Sine Law; Ambiguous Case of the Sine Law; Applications of the Sine Law; Send-In Assignment

Unit 4 – Systems of Linear Inequalities: Graphing Linear Inequalities; Graphing Systems of Linear Inequalities; Optimization Problems; Send-In Assignment

Module 3: Quadratic Functions and Equations

Unit 5 – Quadratic Functions and Equations: Translations; Expansion and Compression; Solving Quadratic Equations by Factoring, using the Square Root Principle; Quadratic Formula and Applications of Quadratics; Send-In Assignment

Module 4: Proportional Reasoning and Statistical Reasoning

Unit 6 – Proportional Reasoning: Comparison and Interpretation of Rates; Solving Rate based Problems; Scale Factors in Diagrams; Scale Factor and 2D shapes; Similar Objects and Scale Diagrams; Scale Factors and 3D Objects; Send-In Assignment

Unit 7 – Statistical Reasoning: Data, Frequency Tables and Histograms; Standard Deviation; Normal Distribution; z-scores; Confidence Intervals; Send-In Assignment

This course is based on the learning outcomes for Foundations Math 11 viewable at:

http://www.bced.gov.bc.ca/irp/pdfs/mathematics/WNCPmath1012/2008math_foundations1112.pdf

Full Curriculum:

http://www.bced.gov.bc.ca/irp/pdfs/mathematics/WNCPmath1012/2008math1012wncp_ccf.pdf