

## Course Outline

### Foundational Studies Mathematics 3001, 3002

week 1	Place Value in the Decimal System, Order of Operations, Perimeter and Area of Rectangles
week 2	Rounding, Perimeter and Area of Right Triangles, Rules of Divisibility
week 3	Positive and Negative Numbers, Adding Signed Numbers, Factors of a Number, Perimeter and Area of General Triangles
week 4	Subtracting Signed Numbers, Prime Numbers, Perimeter and Area of Parallelograms
week 5	Multiplication and Division of Signed Numbers, (Order of operations on signed numbers), Prime Factorization Perimeter and Area of Trapezoids
week 6	Introduction to Fractions and Percents, GCD and LCM, Algebraic Expressions
week 7	Equivalent Fractions, Equations and Inequalities, Division with Remainder, Angles in a Triangle
week 8	Review and Exam
week 9	Improper Fractions and Mixed Numbers, Solving One- and Two-Step Equations
week 10	Adding and Subtracting Fractions, Volumes
week 11	Multiplying Fractions, Unit Conversions
week 12	Division of Fractions, (Order of Operations on fractions), Introduction to Ratios
	SPRING BREAK
week 13	Introduction to Decimals, Rounding Decimals, Basic Percent Problems
week 14	Operations with Decimals, More ratios, Metric conversions
week 15	Proportions, Repeating Decimals, Circles
week 16	Review and Exam