



## Intermediate Algebra: University of Idaho

(For a list of materials used in the course, please see [http://www.theNCAT.org/R2R/AcadPrac/CM/UI\\_IntAlg\\_Mat.pdf](http://www.theNCAT.org/R2R/AcadPrac/CM/UI_IntAlg_Mat.pdf).)

Intermediate Algebra is a one-semester, three-credit course that covers the following topics:

Properties of Real Numbers (Distributive Property)	Radical Expressions
Linear Equations in One Variable	Rational Exponents
Formulas (Solving for specific variables)	Simplifying Radical Expressions
Applications of Linear Equations	Adding/Subtracting Radical Expressions
Linear Equations in One Variable	Multiplying/Dividing Radical Expressions
Set Operations and Compound Inequalities	Complex Numbers
Absolute Value Equations and Inequalities	The Quadratic Formula
The Rectangular Coordinate System	
Slope	
Linear Equations in Two Variables	
Introduction to Functions	
Linear Systems of Equations in Two Variables	
Applications of Linear Systems	
Integer Exponents	
Adding/Subtracting Polynomials and Polynomial Functions	
Multiplying Polynomials	
Dividing Polynomials	
Greatest Common Factors; Factor by Grouping	
Factoring Trinomials	
Special Factoring	
Solving Equations by Factoring	
Rational Expressions and Functions; Multiplying and Dividing	
Adding/Subtracting Rational Expressions	
Equations with Rational Expressions	

For more information, see <http://www.theNCAT.org/R2R/R2R.htm>.