

Crook County High School

Course Title: Financial Algebra

Instructor's Names: Amanda Groves

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Contact times: Lunch and after school

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Websites: www.mrsgrovesmath.weebly.com

Please access the websites to see all the assignments, class calendar, and important information about the class.

Course Length: Year Long

Course Description:

Financial Algebra is a bridge between Geometry and Algebra 2 focusing on six financial topics: Investing, Banking, Credit, Income Taxes, Insurance, and Household Budgeting. This class will review and strengthen algebra and geometry mechanics and problem-solving skills, while at the same time teaching algebra 2 topics. The standards used to assess students in this course are from the Oregon State adopted Common Core State Standards.

Goals

(SMART-specific, measurable, achievable, relevant, timeline-a reflection of specific critical content mastery):By the end of the 2018 school year 100% of students will meet or exceed subject level learning standards in Financial Algebra as measured by a score of 60% or better on final grades from the standards assessments.

Grading Policy:

Your grade for the class will be calculated from the following categories:

70% Standards Assessments (Exams)

10% Formative Assessments (Projects, Quizzes, Activities, Group Work)

20% Final Exam

<u>Corresponding Letter Grade</u>	<u>Proficiency Scale</u>	<u>Percentage Scale</u>
A	Exceptional Mastery	90 - 100
B	Mastery	80 - 89
C	Proficient	70 - 79
D	Minimal Proficiency	60 - 69
F	Does Not Meet	Below 60

Students must earn a minimum grade of a D to move on to the next mathematics class.

Students who are not earning an A,B, or C in Financial Algebra will be required to come to ELO time for additional assistance or to complete make up work. The teacher will notify the student when they are required to attend.

Assignment Requirements:

- Name, date and heading.
- Write neatly and legibly.
- Copy the problem or write the critical information needed to solve the problem.
- Show Work!!!!
- Graphs and sketches always include scale numbers.
- **Homework will be graded daily for completion**

Makeup Policy

Work missed due to absences must be made up outside of class. When returning to school after an absence, students are allowed **one more than the number of days absent** to complete and hand in any assigned make-up work for excused absences. Check websites or the calendar posted in the classroom for work missed.

Classroom Supplies

- Pencils (PLENTY)
- Composition Book / Notebook for notes
- Graph Paper for Homework
- Ink Pen and Highlighter
- Dividers with pockets
- 3 ring binder 1-inch (2-inch for AP classes)
- Colored Pencils
- Graphing Calculator (**Financial Algebra, Algebra 2, Pre-Calculus, Math 111/112, AP Stats, and AP Calculus**) *TI-84 Plus is recommended and will be useful throughout college & can be used on ACT/SAT/AP exams*

Behavior Guidelines:

Be on time (in your seat when the bell rings)

Be prepared (pencil, paper, notebook)

Readiness to learn

Daily homework completion

Prepare for assessments

No cell phone use!

Materials:

Text: Financial Algebra

Notification of the Right to Object to the Use of Materials

Any resident of the district may raise objection to instructional materials used in the district's educational program despite the fact that the individuals selecting such materials were duly qualified to make the selection and followed the proper procedure and observed the criteria for selecting such material.

The first step in expressing objection is consultation with the classroom teacher or library staff and providing a brief written complaint. The staff member receiving a complaint regarding instructional materials shall try to resolve the issue informally through the discussion of the original assignment or the opportunity for an alternative assignment.

If not satisfied with the initial explanation or an alternative assignment, the person raising the questions will meet with a building administrator who, if unable to resolve the complaint, will provide a Request for Reconsideration form which will be given to the superintendent for action.

Standards

<u>Units</u>	<u>Standard Clusters</u> (Clusters are the overriding Standard)	<u>Mathematical Practice Standards</u> (imbedded all year in each unit)
Critical Area 1 Polynomial, Rational, and Radical Relationships	*Interpret the structure of expressions *Write expressions in equivalent forms to solve problems *Perform arithmetic operations	

	<ul style="list-style-type: none"> *Understand solving equations as a process of reasoning and explain the reasoning. *Represent and solve equations and inequalities graphically -Perform arithmetic operations with complex numbers -Use complex numbers in polynomial identities and equations -Understand the relationship between zeros and factors of polynomials -Use polynomial identities to solve problems -Rewrite rational expressions -Analyze functions using different representations 	
<p>Critical Area 2 Trigonometric Functions</p>	<ul style="list-style-type: none"> +Extend the domain of trigonometric functions using the unit circle +Model periodic phenomena with trigonometric function +Prove and apply trigonometric identities 	
<p>Critical Area 3 Modeling with Functions</p>	<ul style="list-style-type: none"> *Create equations that describe numbers or relationships *Interpret functions that arise in applications in terms of a context *Analyze functions using different representations +Build new functions from existing functions +Construct and compare linear, quadratic, and exponential models and solve problems 	
<p>Critical Area 4 Inferences and Conclusions from Data</p>	<ul style="list-style-type: none"> *Summarize, represent, and interpret data on single count or measurement variable +Understand and evaluate random processes underlying statistical experiments +Make inferences and justify conclusions from sample surveys, experiments and observational studies. -Use probability to evaluate outcomes of decisions 	