



Thornton High School
 9351 North Washington • Thornton, CO 80229
 Office: (720) 972-4800 • Fax: (720) 972-4999
<http://www.thorntonh.adams12.org>



School Year	2017-2018	Teacher Name	Teresa Foust
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Course Name		Discrete Mathematics - 2903	
Course Description		Discrete Mathematics courses include the study of topics such as number theory, discrete probability, set theory, symbolic logic, Boolean algebra, combinatorics, recursion, basic algebra structures, and graph theory. Prerequisite: Successful completion of Contemporary Math III Counseling notes: ∅ NCAA APPROVED COURSE ∅ CCCHE APPROVED COURSE This class is specifically designed for college bound students whose career goals are nontechnical and do not require a strong math science background.	
Unit of Study	Grade Level Expectations/Content Standards	Approximate Time Spent or Percent of time Spent	Targeted Date of Assessment
Unit 1 Election Theory	III Data collection and analysis	25 days	9-19-17
Unit 2 Fair Division	III Data collection and analysis	20 days	10-17-17
Unit 4 Graphs and Their Applications	III Data collection and analysis	20 days	11-14-17
Unit 5 More Graphs, Sub graphs, and Trees	III Data collection and analysis	20 days	12-17-17
Unit 6 Counting and Probability	III Data collection and analysis	20 days	1-30-18
SAT/College Math Placement Test Preparation	I Number Sense II Algebra V Measurement	25 days	3-06-18
Personal Finance Literacy	I Number Sense II Patterns III Statistics and Probability	25 days	4-24-18
Unit 8 Recursion	I Number sense II Algebra	18 days	5-20-18

Textbook: Crisler, N. and Froelich, G. (2006). *Discrete Mathematics Through Applications* (3rd ed). New York, NY: W. H. Freeman and Company.

Grading Scale		Grade Percentages/Weights	
A	90-100	Summative Assessments & Projects	80%
B	80-89	Formative Assessments & Projects	20%
C	70-79		
D	60-69	*Weekly progress grades are posted at	
F	59 or below	https://ic.adams12.org/campus/portal/adams12.isp	



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General Expectations

- Grades are based upon the demonstration of proficiency on units associated with a standard given during each formative or summative assessment. Formative grades in addition to summative unit assessments will be used to holistically determine your grade.
- **Summative: 80%** Summative measures of achievement are taken when unit master is expected. (i.e., unit tests, culmination of a project, embedded assessments, etc.)
- **Formative: 20%** Formative assessments measure the scaffolding skills and/or content embedded in the unit. Formative assessments are taken frequently, after a student has practiced a skill or become familiar with content. Examples of formative assessments include but are not limited to exit tickets, paragraphs, oral check for understanding, warm-ups, stages in a large project, etc.
- Assessments will be graded based on teacher/district/state rubrics.
- On group projects, students will receive a grade for individual work and a group grade.
- Grades are based on achievement of Content Standards and Grade Level Expectations.

Class Expectations

Missing or incomplete assignments/assessments for this course: Superintendent Policies 6280 Homework and 6281 Make-Up Work, will be followed for this course.

Students are prompt for their classes and appointments.

Students are prepared for class with books, paper, and pen or pencil.

Student Expectations

Students are polite to each other and to adults.

Students comply with reasonable requests from adults.

Students produce work that demonstrates their skills and abilities.

Students actively participate in classroom activities.