



South Windsor High School
 161 Nevers Road
 South Windsor, CT 06074
 (860) 648-5000
 website: www.southwindsorschools.org/highschool

2023 - 2024 COURSE EXPECTATIONS

Course Name:	Discrete Math
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Teacher Name(s)	Email	Phone
Andrew Brindisi	abrindisi@swindsor.k12.ct.us	(860) 474-1131

Course Overview: This course is designed to enhance students’ reasoning skills to solve problems using a variety of non-algebraic mathematical tools, including algorithms, graphs, and counting methods. Topics explored may include methods of voting, weighted voting, graph theory, scheduling, number theory, recursion, combinatorics and finite probability.

Vision of the Successful Student And Core Competencies:
 The successful student will...

- demonstrate the ability to solve problems using correct mathematical processes.
- effectively communicate, orally and in writing, the processes and reasoning used to arrive at solutions.
- make connections and effectively apply learned material to new situations.
- identify whether or not a solution is reasonable and revise if necessary.
- use technology to enhance mathematical literacy.
- demonstrate academic integrity as outlined in the Bobcat Student Handbook.
- be a collaborative individual who learns from and contributes to the classroom environment.
- exhibit appropriate behavior for the classroom, including respect, responsibility and engagement.

Materials and Resources to Support Student Learning:

Calculator technology will be used throughout the course to investigate problems. A scientific calculator is sufficient for this course, but features on more advanced calculators, such as the TI-83/84 series, will simplify some of the required computations.

Text: Excursions in Modern Mathematics 7/e by Peter Tannenbaum.

MathXL for School: <http://www.mathxlforschool.com>. MathXL for School is an online homework, assessment, and tutorial program, with limited access to the textbook. You will be given information to create an account at the beginning of the semester. You will need access to this program to complete homework assignments and online Checks of Understanding.

Evidence of Student Learning: Gradebook Categories		
Assessments	80%	<ul style="list-style-type: none"> ● Activities that allow students to demonstrate mastery and application of taught concepts and skills ● May vary in format and occur at various points through the unit. ● Assessments may include (but are not limited to): <ul style="list-style-type: none"> ○ problem sets ○ quizzes ○ tests ○ performance tasks ○ projects
Learner Tasks	20%	<ul style="list-style-type: none"> ● Activities that provide opportunities to practice content and skills when mastery would not yet be expected ● Accountability for timely completion and submission of assignments ● May vary in format and occur at various points through the unit. ● Learner tasks may include (but are not limited to): <ul style="list-style-type: none"> ○ homework, classwork, practice problem sets ○ warm-ups, check-ins, exit passes ○ work habits, engagement, readiness for class

With teacher permission, students will be given opportunities to retake certain assessments/assignments.

Late Work:

- Homework assigned from the book (or a worksheet) is based on effort and completion of all problems with work shown, not on correctness of answers. The day the homework is due, it is worth five points if it is complete. One to four points will be given if it is partially complete, depending on percent of problems attempted. **A student can receive up to three points (60%) for a complete assignment one class day late, up to two points (40%) for a complete assignment two class days late, and up to one point (20%) for a complete assignment three class days late.** Within four class days, the student can no longer receive credit.
- It is the student's responsibility to show any make-up work to the teacher as soon as it is completed in order to get the most credit possible.
- Homework assigned on MathXLforSchool will be graded for correctness; however, students have many resources to aid them through the problems, and may retry the problems as many times as they need to. **Students will lose 20% of the points for the assignment for each day (24 hours) that the assignment is late.**
- Online COUs (Checks-Of-Understanding) are designed to allow students to assess their level of understanding and specific points during the unit. The COUs are open-book/open-notes, multiple-choice, and have a time limit, so be sure to have any resources ready to go at the time you start each CFA. **Online COUs may be completed late for half credit up until the start of the class before the test on the unit.**
- Classwork assignments are expected to be completed during class time, and will not be accepted beyond the end of class unless Mr. Brindisi indicates otherwise.
- Students who miss work (including tests) due to an absence must have the absence excused by the office in order to be able to complete the work for full credit. Any such work must be made up within five school days.

Please refer to Bobcat Student Handbook for the full Academic Integrity policy.