Spring 2020 **Math 232 - Discrete Mathematics** **Syllabus**

Contact Information	Name: Derek Young Email: dyoung Office: 417 Clapp Office hours: Announced weekly and by appointment. You are encouraged to schedule appointments regularly. Appointments can be made for small groups as well. Lectures: MWF: 9:30am - 10:45am located in 206 Clapp
Required textbook:	*Discrete Mathematics with Graph Theory, 3rd Edition*, Goodaire & Parmenter
Course Web page:	All course information will be posted on the course web page at `https://derekyoungmath.github.io/spring20/`. Please check the course web page frequently for all assignments, solutions and other resources.
Course Objective:	In this course, we will focus on writing proofs in a variety of discrete mathematical topics. We will cover selected topics from chapters 0-7,9-10 of the required textbook. Please see the tentative schedule on the course web page. By the end of this course you will be able to clearly articulate mathematical arguments through written proofs. The type of proof techniques that you will master include direct proofs, proof by contradiction, contrapositive, and mathematical induction. You will be exposed to graph theory and prove interesting results based on the topic.
Participation Attendance:	You are expected to attend every class. If you are not able to attend, you are still responsible for the material covered. There will be some in-class worksheets, and each person is expected to participate in order to receive full credit for their participation grade.
Homework:	Homework will be assigned once a week. Homework assignments will typically be assigned on Wednesdays and due on the Friday of the next week. Deadlines for homeworks are strict. Please see the schedule on the course web page for homework due dates. You are allowed to share ideas with other students on homework assignments, but you are expected to submit your own answers.
Quizzes	There will be weekly quizzes which are based off of the homework problems. The quizzes will be given at the beginning of class on Friday and will last 15-20 minutes.

Exams:	There will be 2 in-class (problems based off of the quiz/homework problems) exams given during the regularly scheduled class period. Please see the schedule posted on course web page for the final exam (problems based off of the quiz/homework problems) date.
Redos:	You will be allow to redo assignments with the expectation that the assignment (along with your original work) is turned in within a reasonable amount of time after the initial assignment's due date.
Calculators:	Calculators will not be permitted on in-class quizzes or exams.
Grading:	5% — Class Participation 20% — Homework 25% — Quizzes 25% — In-class Exams 25% — Final Exam
Grading Scale:	TBA
Electronic Devices:	The use of electronic devices are allowed in the classroom for course related use only. "With great power comes great responsibility." – Ben Parker It is your responsibility to help obtain a distraction free atmosphere inside of the classroom.
Cheating Policy:	If plagiarism or cheating occurs, you will be assigned a zero for that assignment.
Students with Disabilities:	If you have a documented disability and require accommodations, please take action as soon as possible so that all accommodations are properly met.(See the Office of AccessAbility Services https://www.mtholyoke.edu/accessability)
Note:	The syllabus may be changed at anytime.