

Updated Course Syllabus

MATH 601, Spring 2020

Algebraic Topics in Computing: Cryptography

The structure of MATH 601 is changing due to the fact that it will now (unexpectedly) run as an online course. With flexibility in mind, we aim to make the material as accessible as possible, and evaluation straightforward and fair, keeping in mind that students have new and diverse home/study settings. *Please note that the syllabus is subject to further change, in order to best serve students.*

Professor	Emily Witt
Email	[lastname]@ku.edu
Office hours	Students are encouraged to submit questions on Virtual Office Hours via VoiceThread on Blackboard, where short recorded answers will be uploaded, accessible to all students.
Virtual Classes	For each week of online instruction, a PDF listing all reading, supplemental videos, and homework will be posted on the course website.
Lecture Notes	Full lecture notes will be posted in the Daily Update for the duration of the semester.
Supplemental Videos	Short instructional videos on new topics will be uploaded to Blackboard as a study aid; please note that for comprehensive understanding, students are also expected to keep up with the weekly reading assignments and full lecture notes in the Daily Update.
Homework	Written homework is assigned weekly, and will be submitted via Gradescope. Homework is due at midnight on the Tuesday of the week after it is assigned. Students are encouraged to submit questions on homework topics in Virtual Office Hours on Blackboard.
Programming Investigation Modules	<p>Two additional Programming Investigation Modules will be assigned:</p> <ol style="list-style-type: none">1. Extended Euclidean Algorithm/RSA2. Elliptic Curves <p>The second module serves as a capstone project, and will be worth a larger portion of a students' final grade (see <i>Grades</i>).</p>
Exams	Midterm 2 and the Final exam are canceled.
Quizzes	There will be no further quizzes this semester.

Grades	<p>As they would if we had not transitioned to an online format, a student's scores prior to March 23 will constitute 35% of their final grade, with the same proportions (prorated) as listed in the original syllabus: Midterm 1 will still make up 20% of a student's final grade. Homework 1 and 2 make up 7% of the final grade (this constitutes 35% the total homework that would have been assigned in our traditional in-class course, and homework originally made up 20% of total scores). We have had slightly more than half the planned quizzes, so Quizzes 1-4 make up 8% of a student's grade (of the 15% originally allotted), and we will drop either the two lowest percentage scores for short quizzes, or Quiz 3 (our only full-page quiz)—whichever is lowest.</p> <p>The remaining 65% of a student's grade will be based on weekly online homework, and the two additional programming Investigation Modules. Of this portion, weekly homework will constitute 65% of the grade, the Extended Euclidean Algorithm programming module will constitute 15%, and the Elliptic Curves programming module 20%.</p>
Academic Integrity	<p><i>Don't cheat.</i> A case of academic dishonesty on any assignment will result in a grade of zero. Please see the Code of Student Rights and Responsibilities and the University Senate Rules and Regulations.</p>