

Syllabus CMSC-MATH-ENEE 456 Cryptology

This document has two very different functions.

- **POLICY:** How the course is run (office hours, tests, HW, etc).
- **CONTENT:** What is the content of the course.

POLICY

1 Basic Information

Course title and Number CMSC-MATH-ENEE 456. Cryptology.

Term: Fall 2021

Credits: 3

Course Dates: Aug 31-Dec 9. No class Nov 25 (Thanksgiving)

Class Time and Place Tu-Th 12:30-1:45. Room IRB 0318.

Course Website <http://www.cs.umd.edu/~gasarch/COURSES/456/F21/index.html>

Course Website content Links to Professor Gasarch's Website, Links to the course from Fall 2020, Syllabus, HW, Slides, Notes, University Policy, Books of interest.

ELMS Elms will have the recordings of the lectures. Only students from this class will have access to it.

Gradescope You will submit HW on gradescope and this is where you can see your grades and make re-grade requests.

2 UMD Policies and Resources for Undergraduate Courses

It is our shared responsibility to know and abide by the UMD policies that relate to all courses, which include topics like

- Academic Integrity
- Student and Instructor Conduct
- Accessibility and accommodation
- Attendance and excused absences
- Grades and appeals
- Copyright and intellectual property.

Please visit

<https://www.ugst.umd.edu/courserelatedpolicies.html>
for the UMCP policy on these issues.

3 Course Guidelines

Academic Integrity for CMSC-MATH-ENEE 456

1. **Non-programming Homework Assignments** You may talk to your fellow students about the problems however you must hand in your own work and you must understand your own work.
2. **Programming Homework Assignments** You may talk to your fellow students but you may not exchange any code. **Optional Project** Like the Non-Programming HW.
3. **Exams** These must be solely your own work.

Communication from you to the instructor or TAs You should feel free to email us or post things on piazza or meet us in office hours. You can also request a zoom meeting if that makes more sense.

Communication from us to you We will email you about when HW is posted, HW solutions are posted, and other things you need to know. We will respond to your piazza posts promptly.

4 Homework, Exams, Optional Project, and Grading

For all of the below see the Academic Integrity section above for guidance on how much help you can get on the Homework, Exams, and Optional Project.

1. **Homework** There will be problem and short programming assignments based on the material. They will be roughly once a week.

Typed Homework must be typed and submitted on gradescope. If diagrams are needed to be drawn they can be handwritten.

Dead Cat Policy (I will say why its called that in class) Homework will be posted on a Tuesday and due the following Tuesday at 12:30PM (Before class begins). However, *everyone* gets an extension to Thursday at 12:30PM. *Do not think oh, so the real deadline is Thursday.* Since I have already given you an extension to Thursday I am not going to give you another one. The phrase I will use on the HW is **Morally due Tuesday Oct 19, 12:30** to mean that it is morally due Oct 19, but you all have an extension to Oct 21.

2. **Take Home Part of the Midterm** Morally Due Tue Oct 19, 12:30PM (before class) This will be given out the prior week so can be viewed as a take-home exam.
3. **Timed Part of the Midterm** Thu Oct 28, 8:00PM-10:00PM. You will take it at home. I will post it at 8:00PM and you will have 2 hours to do it and post it on gradescope. (Exceptions will be made for students who cannot do the exam in that timeslot.)
4. **Optional Project** After the midterm is graded and returned I will post an optional project. It will be due the last day of class (no extension). I will only look at it after the class is graded, and then I will only look at those students who are earning a grade D or F for the course. If the optional project shows they understand the material on some level than I will bump their grade: A D can get bumped to a C-. An F can get bumped

to a D. You can consider this insurance against getting a D or lower in the course. Since you have a long time to work on this it needs to be very well written.

5. **Final** The final will be similar in format to the midterm, though the exact dates are not known yet.

5 Grading Structure

We will make each HW worth 4% of the grade. We intend to have 10 HW. That leads to the following table; however, if we have a different number of HW this will change slightly.

Homework	40%
Midterm	30%
Final	30%

Grades will be ROUGHLY

- 90-100 is an A
- 80-89 is a B
- 60-79 is a C
- 45-59 is a D
- 0-44 is an F.

Notice that (1) this is ROUGH- there may be some adjustments in any direction, and (2) this will be further refined with + and - after the final. academic dishonesty will be dealt with harshly.

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Staff, Office Hours, email addresses

- Prof William Gasarch gasarch@umd.edu Office House Tuesday 2:00-5:00PM, Thursday 2:00-3:15; in his office, IRIBE 2242. He is also usually around Tu-Th 11:00-12:15. You can also make an appointment. This can be very flexible, even at night, since we can use zoom:
<https://umd.zoom.us/my/gasarch>
- TA Josh Twitty jtwitty@terpmail.umd.edu Office hours: Tu 3:30-5:30, in AV Wiliams 4166.
- TA Nezhadi Sajjad sajjad@umd.edu Office hours: Wed 5:00PM-7:00PM (thats 2 hours, not 14 hours) in AV Wiliams 4166.
- Kunal Mehta kjmehta@terpmail.umd.edu Office hours: Monday 5:00-6:00 in AV Wiliams 4166.

Note on Location of TA office hours for CS TAs These are set by the dept and are here: <http://www.cs.umd.edu/class/resources/cstarooms/fallspring/>

ACCOMMODATIONS Students requesting academic accommodations due to a disability should make such a request to the instructor in office hours, with a letter of accommodation from the Office of Disability Support Services (DSS) within the first two weeks of the semester.

COURSE EVALUATIONS In Dec you will be asked to fill out course evals. I will urge you to fill out, not just the eval for me, but the eval for ALL of your courses. I have been on the committees that reads these evals and it is important that they be filled out.

TEXT There is no text. There will be notes on line and slides on line.

PREREQUISITES (CMSC 106 OR CMSC 131 OR ENEE 150 OR Equiv Prog Exp) AND ((2 from CMSC 330, CMSC 351, ENEE 324, ENEE 380) OR (any of those and a 400-level MATH course) OR (two 400 level MATH courses) OR Permission of instructor.

UNIVERSITY POLICY We follow university policies. See the pointer on the course website.

MASK POLICY Anyone in class must wear a mask that covers this nose and mouth. This is current university policy but also a very good idea. If the university policy changes then the class policy will also change.

Communication with the instructor or TAs You should feel free to email us or post things on piazza or meet us in office hours. You can also request a zoom meeting if that makes more sense.

6 Resources and Accomodations

6.1 Accessibility and Disability Services

The University of Maryland is committed to creating and maintaining a welcoming and inclusive educational, working, and living environment for people of all abilities. The University of Maryland is also committed to the principle that no qualified individual with a disability shall,

on the basis of disability, be excluded from participation in or be denied the benefits of the services, programs, or activities of the University, or be subjected to discrimination. The Accessibility & Disability Service (ADS) (see here:)

<https://www.counseling.umd.edu/ads/>

provides reasonable accommodations to qualified individuals to provide equal access to services, programs and activities. ADS cannot assist retroactively, so it is generally best to request accommodations several weeks before the semester begins or as soon as a disability becomes known. Any student who needs accommodations should contact me as soon as possible so that I have sufficient time to make arrangements. For assistance in obtaining an accommodation, contact Accessibility and Disability Service at 301-314-7682, or email them at adsfront-desk@umd.edu. Information about sharing your accommodations with instructors, note taking assistance and more is available from the Counseling Center.

6.2 Student Resources and Services

If you are not doing well in the course and want to do better feel free to talk to me so we can see what we can do. There are also campus services that might be helpful:

Tutoring and Academic Success <https://tutoring.umd.edu/>

UMD Writing Center <https://english.umd.edu/writing-programs/writing-center>

Website of Heath Services Websites <https://sph.umd.edu/academics/advising-resources/>

[undergraduate-center-academic-success-and-achievement/casa-student-resources-and-information](https://sph.umd.edu/academics/advising-resources/undergraduate-center-academic-success-and-achievement/casa-student-resources-and-information)

6.3 Basic Needs Security

If you have difficulty affording groceries or accessing sufficient food to eat every day or lack a safe and stable place to live, please visit

UMD Division of Student Affairs website <https://studentaffairs.umd.edu/basic-needs-security>
for information about resources the campus offers you.