

CPS593-01 Foundations in CPS

Fall 2025

Lecture: MR 12:30 PM – 1:45 PM HUM 201

Credits: 3

Prerequisites: N/A

Instructor Information:

Professor: Ashley Suchy

Email: suchya1@newpaltz.edu

Office Hours:

- Monday 3:30 – 4:30
- Tuesday and Friday 11:00 – 12:30
- or email to set up an appointment for other times

Office: SH 246

Course Resources: All resources will be accessible through a shared class OneDrive folder. You will need to use your student email to access it. [folder link](#)

Course description: This course will cover selected topics in algorithms and advanced data structures.

Student Learning Outcomes: By the end of the course students:

- Solve dynamic programming problems
- Be familiar with the tree data structure and algorithms using trees
- Be familiar with the graph data structure and algorithms using graphs
- Be familiar with understanding, implementing, and explaining new algorithms on their own
- Have exposure to advanced algorithms

Attendance Policy: Attendance of lectures is **required**. Be aware that you will be on your own to make up for missed lessons. You are able to miss up to 3 lectures with no penalty.

Exam Policy:

- All graded work will be done on paper and be closed-book.
- You must bring a writing utensil (pen/pencil) to each class.
- You will put all bags/notes away and off the desks.
- You will put all electronics on the front table. This includes but is not limited to all phones, smart watches, earbuds, etc.
- Any talking and/or looking at someone else's paper will result in a zero for all individuals involved.

- You will sit in a seat with a paper on it.
- When time is over you must turn your paper in. If you do not you will receive a zero.

Grading:

- + Homework- There will be homework problems for practice with each topic.
- + Class Participation- **100 points**
- + Test 1- 10/6/2025 in lecture **250 points**
- + Project Part 1- **100 points**
- + Project Part 2- **200 points**
- + Project Part 3- **100 points**
- + **Attendance is mandatory for the entire lecture on presentation dates.**
- + Final exam- 12/15/25 10:15 AM – 12:15 PM **250 points**
- + Comprehensive Exam for the master's degree is a 3-hour exam on the common exam day December 11th from 9 AM - 12 PM
- There will be NO makeup exams given.
 - If you know in advance that you will miss an exam you may schedule with the professor to take it early.
- There will be no extra credit work given for any reason.
- **There will be no raising of letter grades at the end of the semester for any reason.**

A	93–100	930 – 1000
A-	90–92.9	900 – 929
B+	87.5–89.9	875 – 899
B	82.6–87.4	826 – 874
B-	80–82.5	800 – 825
C+	77.5–79.9	775 – 799
C	72.6–77.4	726 – 774
C-	70–72.5	700 – 725
D+	67.5–69.9	675 – 699
D	62.6–67.4	626 – 674
D-	60–62.5	600 – 625
F	0–59.9	0 – 599

Cheating and Plagiarism: All graded work is to be done individually. Copying and pasting answers or parts of an answer from the web or from other students is considered plagiarism.

Any assignment with cheating from the internet or another student will result in a 0% on the assignment for all individuals involved.

Other consequences may include:

- meeting with the chair of the department

- failing the course

Email Etiquette: The following applies when you send an email to the professor:

- Use only your school email address only: @newpaltz.edu
- **Use FOCS as the subject line**
- Start the email with a greeting
ex. Hello Professor, Hi Professor Suchy, etc.
- Explain your question/concern in proper sentences
- Attach the program/problem you are referring to
- End the email with a closing
ex. Best, Thank You, etc. followed by your name

Any email failing to meet the above standards will not receive a response.

The screenshot shows an email composition interface. At the top is a menu bar with 'Message', 'Insert', 'Format text', and 'Options'. Below this is a toolbar with icons for undo, redo, attachments, font face (Lucida Console), font size (12), bold, italic, underline, strikethrough, text color (yellow), background color (red), and a link icon. The 'To' field contains 'Ashley Suchy' with a close button. The 'Cc' field is empty. The subject line is 'FOCS'. The body of the email contains the following text: 'Hello Professor Suchy,' followed by a blank line, 'I was wondering if you had posted the set homework solution yet?' followed by a blank line, and 'Best, Sample student'.

Evaluations: SEI's will be open November 24 - December 8. You will get a chance to provide a "Student Evaluation of Instruction". Students are encouraged to complete this. I request that when SEI's become available please take 5–10 minutes to fill it out. Your feedback is much appreciated and I will take all comments into consideration for the following semesters.

Course Withdrawal Date: November 14, 2025

Date to opt for Satisfactory/Unsatisfactory option: December 8, 2025

The up-to-date SUNY New Paltz policies can be found at the following webpage:
[policies](#)