

# 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](mailto: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 11<sup>th</sup> 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.**

<b>A</b>	93–100	930 – 1000
<b>A-</b>	90–92.9	900 – 929
<b>B+</b>	87.5–89.9	875 – 899
<b>B</b>	82.6–87.4	826 – 874
<b>B-</b>	80–82.5	800 – 825
<b>C+</b>	77.5–79.9	775 – 799
<b>C</b>	72.6–77.4	726 – 774
<b>C-</b>	70–72.5	700 – 725
<b>D+</b>	67.5–69.9	675 – 699
<b>D</b>	62.6–67.4	626 – 674
<b>D-</b>	60–62.5	600 – 625
<b>F</b>	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 a Microsoft Word window with a message titled "Message". The "Format text" tab is selected. The "To" field contains "Ashley Suchy". The body of the email starts with "FOCS" and then a message: "Hello Professor Suchy, I was wondering if you had posted the set homework solution yet? 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**