PROJECTS, CPS485-01/02

Course Details

Credit Hours: 4

Class Days, Time, Location:
  Section **02** (**Tuesday**): CPS485/01 (12:30 - 4:20pm) at **HUM 212**
  Section **01** (**Wednesday**): CPS485/02 (9:30am - 1:20pm) at **HUM 118**

Course Modality:
- Sections 01 and 02 are fully seated (all in person).
- 14 lectures/meetings/work sessions: 230' each
- Total estimated time including reading, researching, programming, writing at home: 16 hours/week

Pre/Co-requisites:
- Minimum Grade of C- in (i) CPS353 Software Engineering AND (ii) a CPS493 CS elective course (such as Web Programming, Data Science, ...) or a graduate equivalent course.

Instructor Details

Name and Title: Dr. Hanh Pham, Associate Professor

Preferred Pronouns: she/her

Campus Email: pham@newpaltz.edu

Office Phone: 845-257-3574 (don't leave messages)

Office Location: SH 248

Office Hours: 9:40-10:50am on Tuesday, 9:40-10:50am and 12:20-2:00pm on Friday

Basic Needs
To learn effectively you must have basic security: a roof over your head, a safe place to sleep, enough food to eat. The **Division of Student Affairs** has compiled a broad range of resources, including a **list of campus services, local agencies, and support networks**, that can assist students with managing their basic needs. Please consult these resources or **contact the Division of Student Affairs** should you need additional information.

Names & Pronouns

SUNY New Paltz recognizes the importance of a diverse student body, and we are committed to fostering equitable classroom environments. You are invited to share how you want to be referred to, both in terms of your name and your pronouns (he/him, she/her, they/them, etc.). I will do my best to address and refer to all students accordingly and will support you in doing so as well. In this classroom, we will respect and refer to people using the names and personal pronouns that they share.

Course Description

Engage in computer projects to solve real-world problems. The projects will utilize new technologies and will integrate previously learned knowledge and skills. Students will give oral presentations and write reports concerning their projects. Projects will be assigned to students and may include off-campus internships and on-campus projects.

Student Learning Outcomes (SLO)

Upon successful completion of this courses, students will meet:

• **advanced level competency on Critical Thinking and Reasoning (CTR) Student Learning Outcomes**
• **advanced level competency on Information Literacy (IL) Student Learning Outcomes**

(a)Student Learning Outcomes for CTR are:
Student will, at advanced level,
  • Clearly articulate an issue or problem;
  • Identify, analyze, and evaluate ideas, data, and arguments as they occur in their own or others' work;
  • Acknowledge limitations such as perspective and bias; and
  • Develop well-reasoned (logical) arguments to form judgments and/or draw conclusions.

(b)Student Learning Outcomes for IL are:
Student will, at advanced level,
  • Locate information effectively using tools appropriate to their need and discipline;
  • Evaluate information with an awareness of authority, validity, and bias; and
  • demonstrate an understanding of the ethical dimensions of information use, creation, dissemination.

(c) Other SLOs:
Upon completion of this course, students will be able to
  • Know how to analyze problems, collecting information for a project based on interactions with clients, research, and study of existing systems/documentations.
  • Have hands-on experience in designing, preprocessing, developing, testing, and planning real-world projects.
  • Give technical presentations and write technical reports and documentations which include system architectures, transaction protocols, developer and user guides.

Reading Materials

- Class notes and guidelines which are posted online via Blackboard.

Attendance

- All students must attend **the 1st, Midterm, and Final classes** which cover, respectively, the course introduction, midterm presentation, and final presentation (see the schedule for dates).
- All students must attend weekly meeting with supervisors. Additional attendance requirement for each student will be defined individually by the supervisor as needed. Failure to present the midterm or final presentation at the assigned time will result in a deduction of 5 points(%) or 10 points(%) respectively. Failure to attend a meeting without a documented excuse will result in a deduction of 2 points(%).

Grading Information

Weekly progress/update include the weekly report and any possible meetings as well as other updates at other platforms such as Brightspace, and any other items required by the supervisors.

Individual reports must be submitted even when students work in groups. Without permissions from the instructor, submissions which are identical or contain identical parts will get 0 and may face further penalties. No make up for any missed assignments, regardless of reasons. All deadlines are strict. Late submissions will not be graded nor counted. It is students' responsibility to double check, for each assignment, to submit the right work/files to the right place and in time.

Students will earn a "Pass" or "Fail" grade in this course. The final grade will be determined based on student reports (project proposal, final report, weekly updates), presentations, attendance, software/data or evaluation letters from outside supervisors.

Item	Weight/Points	Evaluator
Quiz	5	Instructor
Midterm Report & Presentation	15	Instructor
Weekly progress/updates	20	Instructor
Software and Data	40	Supervisor or Instructor
Final Report & Presentation	20	Instructor
TOTAL (points)	100	

Method of determining the final grade:

Students will receive a "Pass" grade if they meet **all** of the following requirements:
- submit all weekly progress/updates, software if applicable, and midterm/final report in time.
- present the final and proposal presentations.
- total of points is **85** or more.

Failure to meet any of the above requirements or violation of academic integrity will result in a "Fail" grade.

Last Day to Withdraw without Grade Penalty
Fall 2025: November 14; Spring 2025: April 7

Campus Policies:

https://www.newpaltz.edu/acadaff/academic-policies-including-academic-integrity/

Academic integrity policy statement
Students are expected to maintain the highest standards of honesty in their college work. Cheating, forgery, and plagiarism are serious violations of academic integrity. Students found guilty of any violation of academic integrity are subject to disciplinary action, up to and including expulsion. New Paltz's **undergraduate** and **graduate academic integrity policies** are published in the respective catalogs. Sojourner Truth Library's website contains several excellent resources to help with **avoiding plagiarism**.

Reasonable accommodation of individuals with disabilities statement
Students needing classroom and/or testing accommodations related to a disability should contact the **Disability Resource Center** (Haggerty Administration Building, Room 205, 845-257-3020) as close as possible to the beginning of the semester. The DRC will then provide students' instructors with Accommodation Notifications verifying the need for accommodations. Specific questions about services and accommodations may be directed to Jean Vizvary, Director (**vizvaryj@newpaltz.edu**).

Veteran & Military Services statement

New Paltz's Office of Veteran & Military Services (OVMS) is committed to serving the needs of veterans, service members and their dependents (spouse or child, regardless of age) during their transition from military life to student life. Military-Affiliated students who need assistance while attending SUNY New Paltz may refer to **OVMS's website**; call 845-257-3120, -3124 or -3074; e-mail **np-vms@newpaltz.edu**; or stop by the Student Union, Room 100 South.

Computer and network policies statement

Users of New Paltz's computer resources and network facilities are required to comply with the **Acceptable Uses and Privacy Policy** and other **institutional policies** related to computer and internet access and usage.

Identity verification policy statement for online courses

New Paltz's **Online Identity Verification Policy** is designed to verify that students enrolled in our online courses and/or programs are the ones who take the courses, complete the programs, and receive the academic credit.

Title IX and related policy statement

Gender discrimination, sexual harassment, sexual assault, sexual violence, stalking, and power-imbalanced sexual/romantic relationships between faculty and students are strictly prohibited within the SUNY New Paltz community. We encourage students to report, confidentially discuss, or raise questions and concerns regarding potential violations. Reports can be made to the Title IX Office, the department chair and/or the dean of your school. The Office of Human Resources, Diversity & Inclusion can provide more information on **Title IX reporting and support** as well as the College's **Consensual Relationships Policy**.

Student Evaluation of Instruction (SEI)

You are responsible for completing the Student Evaluation of Instruction (SEI) for this course and for all your courses with an enrollment of five (5) or more students. I value your feedback and use it to improve my teaching and planning. Please complete the online form during the appropriate period: November 25 – December 9 (Fall 2025); April 22 – May 5 (Spring 2025).

Summary of Topics Covered and Course Schedule

Tentative Schedule (may be changed later, please check daily on the course website)

https://cs.newpaltz.edu/~phamh/apc/

TUESDAY section:

Class	Date		Activities
1	T	26-Aug	Syllabus, Class Requirements, Software Design & Dev.(I), Web Programming
2	T	2-Sep	+Software Design & Development (II): +Intro to Data PreProcessing
			Shared Server Space: Prep. & Organization (for all students under Instructor supervision)
3	T	9-Sep	Working in Groups. Study Project Requirements, Documentations, Existing.
4	T	16-Sep	Discussions and DESIGN
5	T	23-Sep	Discussions and DESIGN, Project Coding/Debug/Analyze
6	T	30-Sep	Discussion/Check on Project Coding/Debug/Analyze
7	T	7-Oct	Prepare Midterm Slides, Oral Presentation, and Report
	T	14-Oct	**FALL BREAK**
8	T	21-Oct	**Midterm Presentations**
9	T	28-Oct	Discussion/Check on Project Coding/Debug/Analyze
10	T	4-Nov	Write Project Report Project Debug/Analyze/Test
11	T	11-Nov	Write Project Report/Slides Project Debug/Analyze/Test
12	T	18-Nov	Write Project Report/Slides Project Debug/Analyze/Test
13	T	25-Nov	Discussions, Final Testing, Write Project Slides/Report
14	W	3-Dec	**Final Presentations (for ALL sections) 10am-12pm**
			Make Presentation Video, Write Final Report
		16-Dec	**Submit Final Report + Video**

WEDNESDAY section:

Class	Date		Activities
1	**W**	27-Aug	Syllabus, Class Requirements, Software Design & Dev.(I), Web Programming
2	W	3-Sep	+Software Design & Development (II): +Intro to Data PreProcessing
			Shared Server Space: Prep. & Organization (for all students under Instructor supervision)
3	W	10-Sep	Working in Groups. Study Project Requirements, Documentations, Existing.
4	W	17-Sep	Discussions and DESIGN
5	W	24-Sep	Discussions and DESIGN, Project Coding/Debug/Analyze
6	W	1-Oct	Discussion/Check on Project Coding/Debug/Analyze
7	W	8-Oct	Discussion/Check on Project Coding/Debug/Analyze
8	W	15-Oct	Prepare Midterm Slides, Oral Presentation, and Report
9	**W**	22-Oct	**Midterm Presentations**
10	W	29-Oct	Discussion/Check on Project Coding/Debug/Analyze
11	W	5-Nov	Write Project Report Project Debug/Analyze/Test
12	W	12-Nov	Write Project Report/Slides Project Debug/Analyze/Test
13	W	19-Nov	Discussions, Final Testing, Write Project Slides/Report
	W	26-Nov	THANKSGIVING
14	**W**	**3-Dec**	**Final Presentations (for ALL sections) 10am-12pm**
			Make Presentation Video, Write Final Report
		17-Dec	**Submit Final Report + Video**