

**PAMANTASAN NG LUNGSOD NG PASIG
SECOND SEMESTER, SCHOOL YEAR 2024-2025**

COLLEGE OF COMPUTER STUDIES

COURSE TITLE: IT 301 – WEB PROGRAMMING

COURSE DESCRIPTION: This covers the fundamental concepts and techniques of HTML, CSS, and JavaScript, which are the core technologies for creating dynamic and interactive websites. The course will cover the basics of HTML, including creating and styling web pages, adding multimedia elements, and optimizing for search engines. Additionally, students will learn how to use CSS for styling and responsive design, and how to add dynamic functionality using JavaScript. The course will also cover important topics such as accessibility, security, and best practices for web development. By the end of the course, students will have a strong understanding of the technologies and techniques necessary to build and maintain functional and effective websites.

COURSE CREDITS:

PRE-REQUISITE/S: (If applicable)

CONTACT HOURS: 5 hours

INSTRUCTOR/S: Catherine B. Sorbito | Samantha Siao

COURSE LEARNING OUTCOMES: At the end of the semester, the students are able to:

Cognitive:

1. Explain the core concepts and functions of HTML, CSS, and JavaScript in web development.
2. Describe how to implement responsive design and ensure cross-device compatibility using CSS.
3. Analyze and apply best practices for accessibility, usability and security in web development.
4. Differentiate between static and dynamic web content, and evaluate the role of JavaScript in interactivity.

Affective and Psychomotor:

6. Demonstrate a professional attitude toward clean code, documentation, and continuous improvement.
7. Value the importance of user experience, accessibility, and ethical web development practices.
8. Appreciate collaboration by participating actively in group tasks, code reviews, or class discussions.
9. Create functional and visually appealing web pages using HTML, CSS and JavaScript.
10. Implement interactivity and dynamic behavior using core JavaScript concepts such as DOM manipulation and event handling.
11. Apply responsive design techniques using media queries and flexible layouts.
12. Develop a complete, accessible, and user-friendly website project following modern development workflows.

LEARNING PLAN

Time Frame	Intended Learning Outcomes	Course Contents	Teaching and Learning Activities	Evidence of Learning/Output (Summative/Formative Assessment/Performance Assessment)	Learning Resources
Week 1 Jan 27-31	Students are oriented about the course requirements.	Course Orientation Overview of the Subject and Requirement of the course.	Discussion on expectations of the course, subject requirements including the scheduled dates of submission.		Course Outline Powerpoint Presentation Group dynamics/Ice breaker
Week 2 Feb 3-7					
Weeks 3 Feb 10-14					
Week 4 - 5 Feb 17-21 to Feb 24-28					
Weeks 6 Mar 3-7					
Weeks 7-8 Mar 10-14 to Mar 17-21					
Week 9 Mar 24-28	To evaluate how well students have understood the material covered in the first half of the course.	Midterm Examination		Major Exam	
Weeks 10-12 Mar 31-Apr 4 Apr 7-11 to Apr 14-18					
Weeks 13 Apr 21-25					

Weeks 14-15 Apr 28-May 2 May 5-9					
Weeks 16 May 12-16					
Weeks 17 May 19-23					
Week 18 May 26-30	To measure how well students have integrated and retained key concepts, skills, and knowledge throughout the course.	Final Examination		Major Exam	

BOOK READINGS AND REFERENCES:

Quinn, M. J. (2020). *Ethics for the Information Age*, 8th Edition

Reynolds, G. W. (2021). *Ethics in Information Technology*, 7th Edition

Baase, S., & Henry, T. (2021). *A Gift of Fire: Social, Legal, and Ethical Issues for Computing Technology*, 5th Edition

RECOMMENDED JOURNALS AND ONLINE RESOURCES:

Communications of the ACM – <https://cacm.acm.org>

IT Professional Magazine – IEEE Computer Society

DICT Philippines – For the latest updates on ICT laws and guidelines - <https://dict.gov.ph>

COURSE REQUIREMENTS

Quizzes, Active class participation, Reflection Papers, Assignments, Midterm Exam, and Final Project

GRADING SYSTEM

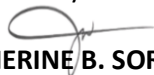
Criteria	Midterm	Final Grading Period
Class Standing	60%	60%

Quizzes	30%	30%
Participation	5%	5%
Recitation/Participation/Seat works/	25%	25%
Major Examination (Midterm/Final Exam)	40%	40%

CLASSROOM POLICIES: You may refer to some relevant provisions in the Student Primer

1. Policy on Attendance and Tardiness
2. Policy on Missed Exams and Assignments
3. Class Participation
4. Submission of Requirements
5. Academic Dishonesty

Prepared by:



CATHERINE B. SORBITO

Faculty

FEDERICO NUEVA

Faculty

Noted by:

Department Chairperson

Approved by:

RIEGIE D. TAN

College Dean