New Applications: Web Development in the 21st Century
Course Overview and Syllabus

Grade level: 9–12

Prerequisite Courses: None   **Credits:** 0.5

Course Description

New Applications is a semester-long survey course that travels from the first software programs developed to facilitate communication on the Internet, to the new generation of mobile and native apps that access the Internet without a reliance on a web browser. New Applications is also a practical course in how to develop a presence on the World Wide Web using WordPress and other available webapplication tools. The goal of the course is to provide the learner insight into the rapidly evolving universe of programming and application development to support informed career decisions in an industry that is changing as quickly as it is growing.

Course Objectives

Throughout the course, you will meet the following goals:

- Describe major advances in network and communications technology from the early Internet through the introduction of web-enabled smart devices
- Create a web presence using simple applications
- Evaluate and select the web development tools and apps most appropriate for particular interests and needs
- Design a current generation app for use on a smartphone or tablet
- Discuss the education and training qualities and experiences essential to secure a position with growth potential in the app industry

Student Expectations

This course requires the same level of commitment from you as a traditional classroom course. Throughout the course, you are expected to spend approximately 5–7 hours per week online on:

- Interactive lessons that include a mixture of videos, readings, and tasks
- Assignments in which you apply and extend learning in each lesson
- Assessments, including quizzes, tests, and cumulative exams

Communication

Your teacher will communicate with you regularly through discussions, email, chat, and system announcements. You will also communicate with classmates, either via online tools or face to face, as you collaborate on projects, ask and answer questions in your peer group, and develop your speaking and listening skills.

Grading Policy

You will be graded on the work you do online and the work you submit electronically to your teacher. The weighting for each category of graded activity is listed below.

Grading Category	Weight
Lesson Quizzes	20%
Unit Tests	20%
Cumulative Exams	20%
Assignments	10%
Projects	30%
Additional	0%

Scope and Sequence

When you log into Edgenuity, you can view the entire course map—an interactive scope and sequence of all topics you will study. The units of study are summarized below:

Unit 1: The World Wide Web: History and Definitions
Unit 2: Website Design on Content-Managed Platforms
Unit 3: Managing Site Creation
Unit 4: Internet-Distributed Applications
Unit 5: New Apps: Creativity and Careers