(https://canvas.chaffey.edu/courses/12045/pages/welcome)

WELCOME to CISIWEB 74

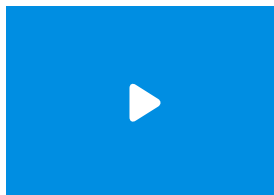## (https://canvas.chaffey.edu/courses/12045/pages/welcome)

STUDENT EXPECTATIONS

Welcome to CISIWEB 74. This course is all about Javascript and Web Development.   Announcements will be posted regularly to remind students of upcoming deadlines and course updates.

- **SYLLABUS (https://canvas.chaffey.edu/courses/12045/assignments/syllabus)** - Information about the class
- **EXPECTATIONS (https://canvas.chaffey.edu/courses/12045/pages/student-expectations)** - What you as a student should expect
- **RESOURCES (https://canvas.chaffey.edu/courses/12045/pages/student-resources)** - Help is available for you at Chaffey College
- **SCHEDULE (https://canvas.chaffey.edu/courses/12045/pages/schedule?titleize=0)**   **(https://canvas.chaffey.edu/courses/12045/pages/schedule?titleize=0)** for a quick look at the topics and due dates **(https://canvas.chaffey.edu/courses/12045/pages/EXTRA%20CREDIT?titleize=0)**
- **EXTRA CREDIT (https://canvas.chaffey.edu/courses/12045/assignments/202550)** - Opportunities all semester

TOPICS

- **HTML review (https://canvas.chaffey.edu/courses/12045/pages/html-intro)** **CISIWEB 74 WEEK 1.mp4 (https://canvas.chaffey.edu/courses/12045/files/1627314/download?wrap=1)**

- **INTRODUCTION TO JAVASCRIPT (https://canvas.chaffey.edu/courses/12045/pages/intro-to-javascript)**
- **WORKING WITH FUNCTIONS, DATA TYPES, AND OPERATORS**

- **BUILDING ARRAYS AND CONTROLLING FLOW**
- **DEBUGGING AND ERROR HANDLING**
- **WORKING WITH THE DOCUMENT OBJECT MODEL (DOM) AND DHTML**
- **ENHANCING AND VALIDATING FORMS**
- **USING OBJECT-ORIENTED JAVASCRIPT**
- **MANIPULATING DATA IN STRINGS AND ARRAYS**
- **MANAGING STATE INFORMATION AND SECURITY**
- **PROGRAMMING FOR TOUCHSCREENS AND MOBILE DEVICES**
- **UPDATING WEB PAGES WITH AJAX**
- **INTRODUCTION TO JQUERY**

DISCUSSIONS

There will be weekly discussions due. These are to demonstrate your knowledge and understanding of the topics covered. Points will be given for posting your responses and also for responding to at least two of your peers

(https://canvas.chaffey.edu/courses/2612/quizzes/9092)

TESTS

There will be a five tests in this course. To prepare, make sure you have done the readings,

(https://canvas.chaffey.edu/courses/2612/quizzes/9092)

PROJECTS
In addition to the readings, tests, and discussions, students will work on javascript projects.

CATALOG DESCRIPTION:

Creating dynamic multimedia content using Javascript, HTML5, CSS, Canvas, and JQuery. Topics include: integrating JavaScript and HTML, coding, testing, debugging, enhancing the use of images, media, and Web Page objects; and developing online dynamic content and client-side Web applications

OBJECTIVES:

Upon completion of the course, students should be able to:

- Analyze and compare the differences between a Web page developed with only HTML and one developed utilizing JavaScript
- Create Web pages that use the following components of JavaScript programming code and logic:
  - Integration of HTML and Java Script
  - Variables, literals, and expressions.
  - Objects, properties, methods, and events

- Arrays
- Event handlers
- Calling functions
- The system date
- Form validation
- Analyze logic and syntax errors
- Create web pages that use the following components of JavaScript programming:
  - Cookies
  - Arrays
  - Determining browsers
  - Hidden frames
  - Plan, code, test, debug and document a complete JavaScript programming project