Course Syllabus

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| **PEIRCE COLLEGE SYLLABUS Session 2, 2023-2024**  **Fully Online Section**  **Special Announcement: This course is running as a fully online course. Please consult with your faculty member and academic advisor right away in week 1, if you have concerns completing this course as a fully online student. Weekly web conferences will be scheduled and held by the faculty member.**  **For current COVid information visit:**[**https://www.peirce.edu/covid-19**](https://www.peirce.edu/covid-19)   |  |  |  |  | | --- | --- | --- | --- | | Course syllabus header content, faculty contact and basic course information | | | | | **Course Information** | | **Faculty Information** | | | **Course Title:** | **JavaScript Programming** | **Professor:** | **Michael Chu** | | **Course Number:** | **BIS 330** | **Office:** | **Virtual** | | **Course Prerequisites:** | **BIS 201 AND BIS 325** | **Office Hours:** | **appointment** | | **Credits:** | **3 credits** | **Telephone:** | **8565620049** | | **Class Start Date/ End Date:** | **11/1/23 to 12/18/23** | **Email:** | **Please use Inbox communication tool.** | |  |  | **For Canvas Technical Issues, Contact:** | **Canvas Support Phone: 1-844-833-3116; Canvas Chat:** [**https://cases.canvaslms.com/apex/liveagentchat**](https://cases.canvaslms.com/apex/liveagentchat) |       **Course Format:**  **All online courses have a weekly synchronous learning component. This added component provides students real time or “live” instruction at the same time weekly. Synchronous learning offers students an increased opportunity to connect with faculty and fellow students, participate further in the learning process, and gain immediate feedback. Participating in synchronous learning sessions are highly recommended, yet optional for most courses. Due to ABA guidelines, there are three designated PLG courses that will require students to participate in the weekly “live” instruction.**  **If you are using your computer, speakers are required for hearing the Live Zoom session. If you’d like to be seen and heard, make sure you have a working camera and microphone. You can opt to be unseen and unheard, choosing only to use the chat feature for communication purposes.**  ***Programming students are encouraged to have both speakers and a microphone (or use of a cell phone for microphone and audio) both for class time and tutoring or office hours to discuss practice problems and learning materials.***  **Student Expectations:**  **Complete all required course assignments and abide by the Academic and Student Policies in the College Catalog and those outlined in the syllabus.  Participate in class on a weekly basis either via the synchronous sessions or asynchronously by logging into the course and participating.**    **===========================================================  Required Text(s):**  **Delamater, Mary, and Zak Ruvalcaba. *Murach's JavaScript and jQuery, 3rd edition*. Fresno, CA: Mike Murach & Associates, Inc., 2017. ISBN-13: 9781943872053**  **Suggested Reading (NOT REQUIRED):**  **Duckett, Jon. *JavaScript and JQuery: Interactive Front-End Web Development*. Wiley, 2014. ISBN-13: 978-1118531648 (approximately $26.67 @ Amazon)**  **Course Description:**  **Expand on the knowledge gained in BIS 201 and BIS 325 by further investigating the development of web pages using the JavaScript programming language. Using JavaScript, web pages can become dynamic, and the user is provided interactivity. Some of the topics explored include how to create countdowns, rollovers, slide shows, form validations, and cookies using external JavaScript files. An introduction to AJAX and jQuery is included.**  **Learning Outcomes:**  **The course has been designed to enable students to:**   * **Apply JavaScript to a Web page to create: rollovers, countdowns, form verifications, and other features on a Web page** * **Use basic JavaScript variable types** * **Create JavaScript assignment statements** * **Include input and output processes in JavaScript** * **Apply JavaScript's arithmetic, string, and logical operations** * **Use JavaScript control structures** * **Create user-defined functions** * **Create, read, and delete cookies** * **Use For-in statements** * **Select various scripts on the Web and customize them for a specific need** * **Create AJAX applications that retrieve data** * **Use the jQuery framework**   **Class Requirements:**   * **Introduction for classmates *(course content for weeks 1-7 will be available once you have provided an introduction)*** * **Class Participation** * **Reading the texts - a significant number of hours are required to complete all assigned readings** * **Reading any posted online notes and/or announcements** * **Assignments (programs) should be shared with only the instructor. Programs that are shared with the class will be awarded a grade of 0. Downloading another student’s program will likewise be awarded a grade of 0** * **Discussions** * **Final Exam** * **Completion of programs by various due dates - *Late programs will not be accepted*** * **Maintain backup files while completing assignments** * **Your assignments (programs) will NOT be accepted after the last class**   **Students are expected to spend between 4-6 hours per week on reading and course content. Weekly homework may take an additional 6-8 hours per week. Students should set aside time in their schedules to be sure they can complete the work for this course.    Software:**  **Microsoft Internet Explorer, Firefox, Firebug *[optional]* (a Firefox extension for debugging),**[**Notepad++Links to an external site.**](https://notepad-plus-plus.org/downloads/v7.8.9/)**and Windows IIS   Another option is to consider Yaldex.com's Free JavaScript Editor -**[**http://www.yaldex.com/Free\_JavaScript\_Editor.htmLinks to an external site.**](http://www.yaldex.com/Free_JavaScript_Editor.htm)**- at home.}**    **Credit Hour Equivalency Requirement:**  **Like many classes at Peirce College, this section of BIS 330 is accelerated. This means we will compress 14 weeks’ worth of learning and effort into 7 calendar weeks. Taking this course is equivalent to taking 2 non-accelerated courses at once. This makes for a major time commitment, and you should be certain to set aside enough time in your schedule to complete the work for this course.**  **As your instructor it is my responsibility to provide learning opportunities to enable you to achieve the course learning outcomes detailed above. I have planned to do so through online discussions, exercises and/or projects.**  **As a student it is your responsibility to take ownership of your learning by attending class, interacting with your instructor and classmates online and by completing all readings and assignments.   Learning Outcomes Assessment:**  **Your assignments (programming projects) should be reflective of everything you've learned in this course prior to and including the chapter(s) that are currently being discussed. Final course grades will be determined as follows:**  **[D&R = Delamater & Ruvalcaba (authors of our textbook)]**   |  |  |  |  | | --- | --- | --- | --- | | Course Learning Outcomes Assessment | | | | | **Week Due:** | **Task Item** | **% of Grade** | **Points** | | **1st Week** | **D&R Chapters 1 & 2, (Intro. to Web Development/Getting Started with JavaScript) JavaScript Assignment #1 Discussion I** | **5 2** | **50 20** | | **2nd Week** | **D&R Chapters 3, 4 & 5, (Essential JavaScript Statements/JavaScript Objects, Functions, and Events/Test & Debug a JavaScript Application) JavaScript Assignment #2** | **12** | **120** | | **3rd Week** | **D&R Chapters 6 & 7, (Script the DOM with JavaScript/Work with Links, Images, and Timers) JavaScript Assignment #3** | **12** | **120** | | **4th Week** | **D&R Chapters 8, 9 & 10, (Fast Start with jQuery/Use Effects and Animations/Work with Forms & Data Validation)    JavaScript Assignment #4 Discussion II Midterm Exam** | **15 2 7.6** | **150 20 76** | | **5th Week** | **D&R Chapters 11 & 12, (Use jQuery Plugins and jQuery UI Widgets/Use AJAX, JSON, and Flickr)   JavaScript Assignment #5** | **12** | **120** | | **6th Week** | **D&R Chapters 13 & 14, (Work with Numbers, Strings, & Dates/Work with Control Structures, Exceptions, & Regular Expressions) JavaScript Assignment #6** | **12** | **120** | | **7th Week** | **D&R Chapters 15 & 16, (Work with Browser Objects, Cookies, & Web Storage/Work with Arrays) JavaScript Assignment #7 Discussion III Final Exam** | **12 1 7.5** | **120 10 75** | | **Course total** |  | **100.1 (due to rounding)** | **1001** |   **[D&R = Delamater & Ruvalcaba (authors of our textbook)]**  ***Note: Late assignments may not be accepted, consult with faculty ahead of due dates with any potential issues with assignments.***  ***Note: Grading of assignments will be completed within 5-7 days of their due dates; comments will be returned to students within that time span.***  **Peirce College Grading Scale:**   |  |  |  | | --- | --- | --- | | Peirce College Grading Scale | | | | **Letter Grade** | **Course Average** | **Grade Point Equivalent** | | **A** | **93-100** | **4** | | **A-** | **90-92** | **3.7** | | **B+** | **87-89** | **3.3** | | **B** | **83-86** | **3** | | **B-** | **80-82** | **2.7** | | **C+** | **77-79** | **2.3** | | **C** | **73-76** | **2** | | **C-** | **70-72** | **1.7** | | **D+** | **67-69** | **1.3** | | **D** | **63-66** | **1** | | **D-** | **60-62** | **0.7** | | **F** | **<60** | **0** | | **P** | **Passing** | **None** | | **W** | **Voluntary Withdrawal** | **None** | | **I** | **Incomplete** | **0** |   **College Policies and Procedures:  Click here for policies concerning Disability Accommodations, Academic Honesty, Netiquette, Attendance and Participation, Faculty Response Time, Grading, and Class Cancelation -**[**http://www.peirce.edu/syllabuspolicies/.Links to an external site.**](http://www.peirce.edu/syllabuspolicies/)  **Course Outline: [D&R = Delamater & Ruvalcaba (authors of our textbook)]**   |  |  | | --- | --- | | Assignments | | | **Week 1** | **Note: *Late assignments may not be accepted, consult with faculty ahead of due dates with any potential issues with assignments.***  **Course Syllabus Read D&R Chapters 1 & 2 Chapter 1: Introduction to Web Development Chapter 2: Getting Started with JavaScript**  **JavaScript Assignment #1 - See "Assignments" under "Week 1"  Download:**[**student\_download.zip**](https://peirce.instructure.com/courses/7728/files/1438862/download?wrap=1)[**Download student\_download.zip**](https://peirce.instructure.com/courses/7728/files/1438862/download?download_frd=1)**(unzip the file to access the textbook's applications and the end-of-chapter exercises & solutions)    Discussion** | | **Week 2** | **Read D&R Chapters 3, 4 & 5 Chapter 3: The Essential JavaScript Statements Chapter 4: How to Work with JavaScript Objects, Functions, and Events Chapter 5: How to Test and Debug a JavaScript Application  JavaScript Assignment #2 - See "Assignments" under "Week 2"** | | **Week 3** | **Read D&R Chapters 6 & 7 Chapter 6: How to Script the DOM with JavaScript Chapter 7: How to Work with Links, Images, and Timers**  **JavaScript Assignment #3 - See "Assignments" under "Week 3"** | | **Week 4** | **Read D&R Chapters 8, 9 & 10 Chapter 8: Get Off to a Fast Start with jQuery Chapter 9: How to Use Effects and Animation Chapter 10: How to Work with Forms and Data Validation  JavaScript Assignment #4 - See "Assignments" under "Week 4"  Discussion II  Complete Midterm Exam that covers D&R's Chapters 1 - 10** | | **Week 5** | **Read D&R Chapters 11 & 12 Chapter 11: How to Use jQuery Plugins and jQuery UI Widgets Chapter 12: How to Use AJAX, JSON, and Flickr  JavaScript Assignment #5 - See "Assignments" under "Week 5"** | | **Week 6** | **Read D&R Chapters 13 & 14 Chapter 13: How to Work with Numbers, Strings, and Dates  Chapter 14: How to Work with Control Structures, Exceptions, and Regular Expressions   JavaScript Assignment #6 - See "Assignments" under "Week 6"** | | **Week 7** | **Read D&R Chapters 15 & 16  Chapter 15: How to Use Browser Objects, Cookies, and Web Storage Chapter 16: How to Use Arrays   Complete Final Exam that covers D&R's Chapters 11 - 16  JavaScript Assignment #7 - See "Assignments" under "Week 7"  Discussion III** |   **[D&R = Delamater & Ruvalcaba (authors of our textbook)]**  **Students are responsible for making up any material missed due to absences.  *Syllabus subject to change.*** |
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Course Summary:

| **Date** | **Details** | **Due** |
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| Tue Nov 7, 2023 | Discussion Topic [Discussion Qs for Wk 1](https://peirce.instructure.com/courses/7728/assignments/182048) | due by 11:59pm |
| Assignment [Prog. Assignment for Wk 1](https://peirce.instructure.com/courses/7728/assignments/182051) | due by 11:59pm |
| Tue Nov 14, 2023 | Assignment [Prog. Assignment for Wk 2](https://peirce.instructure.com/courses/7728/assignments/182052) | due by 11:59pm |
| Tue Nov 21, 2023 | Assignment [Prog. Assignment for Wk 3](https://peirce.instructure.com/courses/7728/assignments/182054) | due by 11:59pm |
| Tue Nov 28, 2023 | Discussion Topic [Discussion Qs for Wk 4](https://peirce.instructure.com/courses/7728/assignments/182049) | due by 11:59pm |
| Quiz [Midterm Exam](https://peirce.instructure.com/courses/7728/assignments/182045) | due by 11:59pm |
| Assignment [Prog. Assignment for Wk 4](https://peirce.instructure.com/courses/7728/assignments/182055) | due by 11:59pm |
| Tue Dec 5, 2023 | Assignment [Prog. Assignment for Wk 5](https://peirce.instructure.com/courses/7728/assignments/182056) | due by 11:59pm |
| Tue Dec 12, 2023 | Assignment [Prog. Assignment for Wk 6](https://peirce.instructure.com/courses/7728/assignments/182057) | due by 11:59pm |
| Mon Dec 18, 2023 | Discussion Topic [Discussion Qs for Wk 7](https://peirce.instructure.com/courses/7728/assignments/182050) | due by 11:59pm |
| Quiz [Final Exam](https://peirce.instructure.com/courses/7728/assignments/182041) | due by 11:59pm |
| Assignment [Prog. Assignment for Wk 7](https://peirce.instructure.com/courses/7728/assignments/182058) |  |