



INFORMATION TECHNOLOGY EDUCATION
Programming & Analysis
Course Syllabus

Course Title and Number: Internet Programming, COP2882.0M1		Instructor: Elizabeth Drake
Year and Term: Spring 2019	Course Credits: 03	Office Location: N-211
Office Phone: 352.381.3829	Office Hours: See my home page	Class Location: online
Meeting Time/Days: Section 0M1: online		Email Address: elizabeth.drake@sfcollge.edu
Web Page Address: http://home.ite.sfcollge.edu/~elizabeth.drake/		Fax Number: 352.395.4154

Course Description	<p>This course will provide training in introductory to intermediate client-side scripting using JavaScript, and a brief introduction to server-side scripting using PHP. The emphasis of this course will be on syntax and debugging, webform processing and data validation, using common programming structures, dynamic content using JavaScript, DOM, and XML, and working with objects and cookies. An introduction to PHP is provided and students will be introduced to server-side technologies through PHP and MySQL. Students are expected to have a working knowledge of HTML, CSS, and introductory programming concepts (variables, operators, decision structures, repetition structures, and methods).</p>
Prerequisites	<p>CGS1821, CGS2540, and COP2002 with a “C” or higher. If you do not have the appropriate prerequisites, you may be administratively withdrawn from this course within the refund period. This withdraw could affect your financial aid and/or academic standing. If you are uncertain about whether you have passed these courses with a "C" or higher, check eSantaFe or with your advisor within the first week of class to ensure you have met the course prerequisites.</p>
Course Objectives <u>Reflecting Expected Student Learning Outcomes</u>	<ul style="list-style-type: none"> • Understand how to insert JavaScript inline in a web page • Create JavaScript variables and use unary, binary, and ternary operators • Use the various types of JavaScript selection structures • Use the various types of JavaScript repetition structures • Use forms for data submission • Create external JavaScript files and use built-in and user-created functions • Use JavaScript arrays: parallel arrays, multi-dimensional arrays • Use the DOM to create and manipulate nodes on a webpage • Understand what XML and XSL documents are

Grading

Course Requirements:

Students who need reasonable accommodation should contact the instructor or call the Disability Resources Center at 352-395-4400.

Policies on Missed Exams and Late Work:

You will have one dropped grade. At the end of the semester the instructor will decide which grade (a homework or an exam) most negatively affects your semester grade and that grade will be dropped. **Remember: the due date is the last day an assignment is accepted; it is not the only day.** Early submissions are always accepted. It is best to begin work on every assignment early to ensure you have enough time to think and solve programming problems, ask questions in a timely manner, and get help when needed.

Once an assignment has been graded for the whole class, possible solutions may be posted. Therefore, late work is not accepted. Since one grade is dropped, a missed exam will be the dropped exam grade.

Grading Scale and Standards:

Grade Scale	
90 – 100	A
87 – 89.9	B+
80 – 86.9	B
77 – 79.9	C+
70 – 76.9	C
67 – 69.9	D+
60 – 66.9	D
< 60	F

Grade Calculation	
Homework	60%
Exams	30%
Final Exam	10%
Total	100%

Important Information

All sections of this course will use Canvas. This is where you will go to get assignments, check due dates, take your exams, upload some work, communicate with your instructor and classmates, and participate in discussions. In an online or hybrid course, your attendance is required in class and/or via your participation in Canvas. You must log on to Canvas at least twice a week and check for any new information and/or updates. In this online course there are no on-campus attendance requirements. You do, however, have to participate in the online environment.

Almost all of the work for this class will be uploaded to either Canvas, sent via Canvas email message, or uploaded to the ITE server. Since you are

	<p>uploading work via the Internet, it is important not to wait until the last minute. Computers crash, you may have ISP problems, etc. These issues will not be accepted as excuses for late work. It is your responsibility to make sure your work is uploaded on time. Late work <i>may</i>, at the instructor's discretion, be accepted with a penalty. There may be homework assigned in this course that will not be collected or graded. The purpose of this work is to ensure that you learn the material so you will be prepared for the exams and also ready to do the graded homework. You are expected to take responsibility for learning the material and to demonstrate that knowledge by your performance on exams and graded assignments.</p> <p>There will be 3 exams during the semester and a Final Exam. All exams will be announced in advance. There are no makeup exams for any reason. If you miss an exam, it will be your dropped grade.</p> <p>Please note: You have one week from the time I post a homework or exam grade to contest your grade. You must make your case for points you think you deserve in writing through Canvas email. After that time, your grade will stand.</p> <p>Assignments must be organized and submitted following the course guidelines and in the specified format. Methods other than those specified are not acceptable. Files <i>must</i> be named as specified in each assignment. You may lose points for misnamed files or you may even get no credit at all. When the instructor grades your work, he/she must be able to find it easily. This means the file must be uploaded to the exact area specified in each assignment and must be named as specified in each assignment.</p> <p>All work must be completed using the programs and versions that are designated for this course. You will need Notepad or any html editor (not a web page editor!). Brackets is the recommended IDE and is a free download. It works on both PCs and Macs. Note that using third-party development tools such as Bootstrap or Sass is <i>not</i> permitted.</p> <p>If you are working on assignments at home, it is your responsibility to maintain your computer system. Requirements cannot be waived due to problems with your hardware, software, or Internet connection. Campus labs can be used to complete your work.</p>
Text(s)	<p>Text(s), Title(s), Author(s) and Edition(s): <i>Introduction to JavaScript Programming With XML and PHP</i> First Edition, by Elizabeth Drake, publisher: Addison-Wesley, Pearson; ISBN 9780133068306</p>
Required Course Materials	<p>Additional materials: If you buy a hard copy of the book new, there may be an offer of an access code that allows you to download all the resources (files, images, PowerPoints, etc.) from the Pearson site. <i>The access code is not required!</i> Any materials needed will be provided to you in Canvas.</p>

	Software requirements: You will need Brackets, Notepad++, Sublime, or any simple text editor. That's all you really need. You also need an FTP client to upload your work to the server. There are many free FTP programs available and, while your instructor can help you find one, you are responsible for making sure you can use it. We recommend Filezilla.																								
Term Calendar <i>(Tentative: The instructor reserves the right to alter dates of presentations and exams/projects.)</i>	<p>Topics to be Covered and Corresponding Chapters in the text:</p> <table border="1"> <tr> <td>Module 1</td> <td>Introduction: Computer Basics, JavaScript Programming Basics (Chs 00 and 01)</td> </tr> <tr> <td>Module 2</td> <td>Variables and Operators (Ch 02)</td> </tr> <tr> <td>Module 3</td> <td>The Selection Structure (Ch 03)</td> </tr> <tr> <td>Module 4</td> <td>The Repetition Structure (Ch 04)</td> </tr> <tr> <td>Module 5</td> <td>Advanced Topics in Repetition (Ch 05)</td> </tr> <tr> <td>Module 6</td> <td>Forms (Ch 06)</td> </tr> <tr> <td>Module 7</td> <td>Functions and JavaScript Source Files (Ch 07)</td> </tr> <tr> <td>Module 8</td> <td>Arrays (Ch 08)</td> </tr> <tr> <td>Module 9</td> <td>Searching and Sorting (Ch 09)</td> </tr> <tr> <td>Module 10</td> <td>Document Object Model (DOM) and XML (Ch 10)</td> </tr> <tr> <td>Module 11</td> <td>Revising previous assignments and a brief intro to PHP (Ch 11)</td> </tr> <tr> <td>Module 12</td> <td>Site redesign and an intro to using PHP with Cookies and MySQL (Ch 12)</td> </tr> </table>	Module 1	Introduction: Computer Basics, JavaScript Programming Basics (Chs 00 and 01)	Module 2	Variables and Operators (Ch 02)	Module 3	The Selection Structure (Ch 03)	Module 4	The Repetition Structure (Ch 04)	Module 5	Advanced Topics in Repetition (Ch 05)	Module 6	Forms (Ch 06)	Module 7	Functions and JavaScript Source Files (Ch 07)	Module 8	Arrays (Ch 08)	Module 9	Searching and Sorting (Ch 09)	Module 10	Document Object Model (DOM) and XML (Ch 10)	Module 11	Revising previous assignments and a brief intro to PHP (Ch 11)	Module 12	Site redesign and an intro to using PHP with Cookies and MySQL (Ch 12)
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INFORMATION TECHNOLOGY EDUCATION

Policies and Guidelines

Please note that components marked with asterisk (*) require specific language.

Cell Phone Use Policy

Given the disruptive potential posed by cell phones, students are required to keep cell phones off during class lectures. Use of cell phones during lab exercises are permissible, but please consider those around you

*Children in the Classroom

Children represent a disruptive element for the classroom. They also increase the risk of accidents occurring in the lab. For those reasons, children should not be brought to either the classroom or the laboratory.

*Academic Honesty: Plagiarism And Cheating

Academic honesty is expected, and the instructor reserves the right to respond to cheating, plagiarizing, or other forms of unethical behavior with penalties up to and including removal from the class and/or failure in the course. The instructor also reserves the right to make necessary adjustments to the syllabus.

*Academic Ethics and Confidentiality

It is the responsibility of everyone engaged in the learning experience to respect the rights and feelings of their fellow learners. Information gathered in the classroom and from on-line discussions and exercises is to be considered confidential. At the same time, students must recognize that the

instructor and the College cannot guarantee the confidentiality of what the student may choose to disclose. Students must use their own discretion when engaging in classroom discussion.

***Classroom Behavior**

Instructors have the responsibility to set and maintain standards of classroom behavior appropriate to the discipline and method of teaching. Students may not engage in any activity which the instructor deems disruptive or counterproductive to the goals of the class. Students are required to keep cell phones off during class lectures, unless there is permission in advance from the instructor. Instructors have the right to remove offending students from class. Repetition of the offense may result in expulsion from the course. Students are expected to be courteous to others and that includes coming to class on time.

***Student Rights and Responsibilities**

The purpose of this document is to provide students with a general overview of both their rights and responsibilities as members of the Santa Fe College community. For a complete list of students' rights and responsibilities go to:

<http://www.sfcollege.edu/studentaffairs/student-rights/index>

***Americans with Disability Act – Disability Accommodation Statement**

If you are a student with a disability: In compliance with Santa Fe College policy and equal access laws, I am available to discuss appropriate academic accommodations that you may require as a student with a disability. Requests for academic accommodations need to be made during the first week of the semester (except for unusual circumstances) so arrangements can be made. You must be registered with Disabilities Resource Center (DRC) in S-229 for disability verification and determination of reasonable academic accommodations. For more information, see

http://www.sfcollege.edu/student/drc/index.php?section=faculty_resources/rights_responsibilities

***Discrimination/Harassment Policy**

SF prohibits any form of discrimination or sexual harassment among students, faculty and staff. For further information, refer to College Rule 2.8 at

https://www.sfcollege.edu/Assets/sf/rules/pdfs/Rule_2/2_8.pdf