### Clark College

### CTEC 122 HTML Fundamentals

### Course Syllabus

**Course Description**

Introduction to website development through the mastery of the fundamentals of HTML, XHTML, and CSS coding for web pages. Intended to give the student the basic skills required to hand-code web pages from scratch. A website will be developed in compliance with current web standards, practices, and usability. Topics include: XHTML, HTML5, CSS, CSS3, web server organization and structure, text editors, images, links, lists, forms, tables, and code validation.

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| **Course Information** | | **Instructor Information** | |
| **Details:** | CTEC 122 | **Instructor:** | Bruce Elgort |
|  | Item: 2508 Section: 1DL | **Phone:** | None |
|  | 4 Credits | **Office:** | None |
|  | Fall 2018 | **Office Hours:** | On Slack or by appointment |
| **Prerequisites:** | None | **Email:** | [belgort@clark.edu](mailto:belgort@clark.edu) |
| **Room:** | Online only | **Mailstop:** | SHL 116 |
| **Operating System:** | Any |  |  |
| **Requirements:** | Internet Access |  |  |

**Texts, Readings, Resources, Materials**

**Text** and **Online** readings will be assigned throughout the course in the Canvas Modules for each week.

1. Build Your Own Web Site The Right Way Using HTML & CSS, 3rd Edition by Ian Lloyd -- Required Textbook. This textbook can be purchased at the Clark College Bookstore or online at <http://www.sitepoint.com/books/html3/> where you can purchase it in paperback ($29.95) or as an eBook ($19.95). Amazon has it for under $20.00.
2. HTML, XHTML, and CSS, Sixth Edition byElizabeth Castro -- **optional**  reference book

Online Reading on the Internet is assigned throughout the quarter. You will be responsible for reviewing and learning this material.

This **Course Syllabus,** as well as other materials required for participation, is available to download from Canvas. You will be responsible for reviewing and knowing this material.

**Supplies**: You may either work on your own computer at home or you may use the computer labs at Clark College. If you work from home, you will not need any supplies. Just be sure you back up your work periodically in case anything happens to your computer at home. A thumb drive would be sufficient.

**Communication**: Communications with the instructor through email is highly recommended because Canvas isn’t adapted to showing HTML and CSS coding.

You will need a user ID and password so that you can store your HTML code on Clark’s web server. You will be given instructions in Canvas about how this user ID and password is constructed.

**Computer Access**: If you want to use the computers on campus you will need a unique user ID and password. To obtain your user ID and password, follow the instructions posted in the computer labs or request assistance from a lab assistant in the SHL 135 or other open computer labs.

**Desired Technical and Personal Skills**

* File management: you should know how to add, delete, copy, move and rename files.
* Editing: you should know how to use a text editor such as Notepad, TextEdit, or Notepad++.
* You should have basic Internet skills including the ability to download files.
* You should be self-motivated.
* You should have time management skills and the ability to meet deadlines.
* You should have the ability to read and follow directions and the ability to learn by reading.
* You should be willing to figure things out for yourself.
* Communication skills: if you are having a problem you need to ask for help.
* Critical thinking: computer problems are like math "story problems".

**General Description**

This course is divided into three major sections, beginning with an introductory overview to give students a broad understanding of the materials to be covered during this course. Next, students will become familiar with the concepts of HTML, HTML5, CSS and CSS3 structure; properties and attributes and how they come together to form a website. The final section will involve hands-on skill building during on-computer exercises that I will provide. Through the use of these on-computer sessions, students will code HTML, HTML5, CSS and CSS3 with a simple text editor and will begin to develop the skills necessary to complete their course final Project. Completion of every exercise is essential to the success of each student.

**Instructional Methods**

Students will begin by learning the concepts of HTML and CSS with assigned readings. Then you will then take this knowledge and practice skill-building using instructor provided tutorials. Lastly, students will then take this knowledge and practice skill-building during instructor provided assignments. Web pages and the final Project must be uploaded to Clark College’s web server by the stated deadlines. Off-hours communication via email is encouraged for the success of specific tasks.

**Completing the instructor-supplied tutorials is extremely important because they provide specific examples needed to complete the required web page assignments and quizzes.**

**Educational Requirements Met by This Course**

CTEC 122 is an elective course for Clark College Electronic Publishing/Multimedia majors and a required course for those seeking a certificate in Web Authoring. The course also meets an elective requirement for an Associate in Arts degree. It is a highly recommended offering for students in all computer-related fields.

**Philosophy behind this course**

This is an interesting and fun course because we get to build things. It is always gratifying to be able to look back at the quarter's accomplishments and marvel how in ten short weeks we have gone from knowing little or nothing about building web pages to having completed a comprehensive four-page final Project.

The Internet has become part of our everyday lives. Those who have a working knowledge of its structure will be more successful in their pursuit of a career in a computer-related field. HTML, HTML5, CSS and CSS3 are the ultimate foundation for the Internet and the primary means of web-based communication. This course will give you the basic skills you need to excel in your career choice. The ability to find necessary information on the Internet is stressed throughout the course.

**Student Learning Objective, Campus-wide**

**College-wide Abilities Supported by This Course:**

Clark College has identified six college-wide abilities that form the foundation of our educational emphasis. They are: **Communication**, **Critical Thinking/Problem Solving, Information/Technology, Effective Citizenship, Life-Long Learning, and Global/Multicultural Awareness**. This course emphasizes skills in the following areas:

1. Information Technology
2. Critical Thinking/Problem Solving
3. Communication

Information Technology ability objectives are associated with this course. A student completing this course will be able to...

* Recognize and understand HTML-coded documents retrieved from a wide variety of sources.
* Code HTML without the use of an HTML editor, building on a solid concept of HTML structure, elements and attributes.
* Complete a course project in the form of a Website.

Critical Thinking/Problem Solving ability objectives are associated with this course. A student completing this course will be able to...

* Debug HTML code, including the ability to correct code errors and cross-browser incompatibilities.
* Organize Websites that are easy to navigate and use.
* Understand the strengths and weaknesses of each major browser in a cross-browser environment, and have the ability to create code that works in both Firefox and Chrome.

**Communication ability objectives are associated with this course. A student completing this course will be able to:**

* + Create Web pages that are easy to use and understand
  + Translate project requirements into useable Web pages
  + Understand that the owner of a Website may not always agree with the designs of the Web designer

**Course Outcomes**

|  |  |  |  |
| --- | --- | --- | --- |
| **Course Outcome with assessment** | **Computer technology competency** | **ISTE Skills Standards** | **Program Outcomes** |
| Research and demonstrate knowledge of up-to-date web standards, CSS, HTML, and basics of HTML5 beyond those topics covered in the course.   * Research Results * Quizzes * Projects/Web pages * Interactivity * Participation | • Explain the difference between presentation and structure in web pages. You will use CSS for presentation for the look of the page and HTML to build the structure for each web page.  • Distinguish the three basic rules that define XHTML in contrast to HTML.  • Describe the following terms: HTML, tag, attribute, value, CSS, selector, property, value, rule, declaration. You will use these on each web page.  • Recognize and understand HTML-coded documents retrieved from a wide variety of sources. | Technology Operations and Concepts  Critical Thinking, Problem Solving, and Decision Making | Plan and execute industry standard code, web scripting, and server strategies to capture, integrate and manage data.  Write, organize and publish well written content and code to engage web communities for personal and professional research, marketing, and interaction. |
| Create and debug a website which is easy to navigate and complies with web standards.   * Research Results * Quizzes * Projects/Web pages | • Complete a course project in the form of a website.  • Apply the basic structure of any web page. Use the HTML Template Page as a starting point for every web page.  • Use the W3C’s Validator to validate both CSS and HTML files. Each web page must be validated with no errors.  • Categorize the components to a complete website. You will do this by coding a four-page website that contains a Welcome page, a Products or Services page, an Ordering page, and an About Us page.  • Code HTML without the use of an HTML editor, building on a solid concept of HTML structure, elements and attributes. | Technology Operations and Concepts  Critical Thinking, Problem Solving, and Decision Making | Plan and execute industry standard code, web scripting, and server strategies to capture, integrate and manage data.  Write, organize and publish well written content and code to engage web communities for personal and professional research, marketing, and interaction. |
| Design proper HTML syntax which accommodates for cross-browser incompatibilities.   * Quizzes * Projects/Web pages | • Contrast the differences between regular and deprecated elements. Your web pages should not contain any deprecated elements.  • Distinguish how and when to use Inline CSS, Embedded CSS, and External CSS. You will only use External CSS in this course.  • Debug HTML code, including the ability to correct code errors and cross-browser incompatibilities.  • Understand the strengths and weaknesses of each major browser in a cross-browser environment, and have the ability to create code that works in Firefox, Chrome, and Internet Explorer. | Technology Operations and Concepts  Critical Thinking, Problem Solving, and Decision Making | Plan and execute industry standard code, web scripting, and server strategies to capture, integrate and manage data.  Write, organize and publish well written content and code to engage web communities for personal and professional research, marketing, and interaction |
| Demonstrate competency with basic HTML code including links, lists, forms, tables, images, and basic tags.   * Quizzes * Projects/Web pages | • Explain how nested lists work and are used. Use a nested list on at least one web page.  • Demonstrate the coding technique needed to put images on your web pages. Several of your web pages require one or more images. These images must be sized to match the image tag’s width and height.  • Apply working forms that contain text boxes, text areas, check boxes, radio buttons, drop down controls, HTML5 email control, HTML5 date control, submit buttons, and reset buttons. Your Order page should contain all of these elements. | Technology Operations and Concepts  Critical Thinking, Problem Solving, and Decision Making | Plan and execute industry standard code, web scripting, and server strategies to capture, integrate and manage data.  Write, organize and publish well written content and code to engage web communities for personal and professional research, marketing, and interaction |

**Grading Information**

**Grade Breakdown of course activities:**

1. Discussion Forum – Introduce yourself 5 pts = 5 possible
2. Syllabus Quiz 10 pts = 10 possible
3. Announcement Quizzes 25 pts = 25 possible
4. Discussion Forum Topics 10 pts each (3) = 30 possible
5. Practice web page assignment: 10 pts = 10 possible
6. Web page assignments: 30 pts each (x4) = 120 possible
7. Written Quizzes: 25 pts each (x6) = 150 possible
8. Web Page Quizzes: 25 pts each (x4) = 100 possible
9. Final Project: 30 pts = 30 possible

**Maximum possible points = 455 (one quiz is optional)**

**Web Pages**: There will be a preliminary web page assignment: **practice.html** that teaches everyone how to build a simple page and move it to Clark’s web server. There will be four more assignments (**about.html**, **welcome.html,** **products.html and order.html**) of limited scope designed to familiarize the student with the HTML and CSS structure, elements, properties, values and attributes. Each web page will be graded for accurate coding, error-free implementation, and completeness. **Each of these web pages must receive a perfect score in order to move on to the next week’s module.**

Each of the four web page assignments, described in the final Project specification, will be **combined** to form your entire website. (See below).

**Final Project**:

You will be asked to develop a four-page website (built during the quarter as individual assignments) to develop your skills and knowledge obtained during the quarter. Details on this project are available in Canvas. Evaluation of this Final Project is based, in part, on its suitability to be presented on the Internet. The bulk of the scoring will revolve around the forms page (Ordering) along with error-free validation, implementation of HTML5 and CSS features, consistency and ease of use. The final Project will consist of the three prior web page assignments (about.html, welcome.html and products.html) along with the “order.html” web page.

**Quizzes:** At the beginning of the quarter there will be a Syllabus Quiz to gauge your knowledge of this Syllabus.

For the first five weeks of the quarter there will be a 5-point required quiz that will cover the material presented in the Announcements listed at the top of each week’s Module in Canvas.

There will be a Module quiz given every week. Some weeks it will be a written quiz with multiple choice, T/F, matching and multiple-answer questions. The other weeks it will require you to build a simple web page. Each quiz is worth 25 points. Even though there are 10 quizzes, **only your nine highest scores will be used to calculate your final grade**. Therefore, one of the quizzes is optional.

**Discussion Forums**: There will be four Discussion Forum questions during the quarter. The first one requires that you introduce yourself to the course participants (5 points). The other three Discussion Forums (10 points each) will present you with a question or questions to be answered regarding the material that you should have read for the previous two weeks. You will also need to provide a substantial reply to other student(s) Discussion Forum posts.

**Reading Assignments**: Students in this course are expected to read the assigned material prior to a particular topic being covered by the assignments and quizzes. The **Modules** in Canvas provide the reading schedule.

**There are no makeup web page assignments or makeup Quizzes.**

**There is no extra credit available.**

**There is no Final Exam.**

**Final Grading Scale**

**Percentage Range Grade Points**

100% to 94% A 428 to 455

<94% to 90% A- 410 to 427

<90% to 87% B+ 396 to 409

<87% to 84% B 382 to 395

<84% to 80% B- 364 to 381

<80% to 77% C+ 350 to 363

<77% to 74% C 337 to 349

<74% to 70% C- 319 to 336

<70% to 67% D+ 305 to 318

<67% to 64% D 291 to 304

<64% to 60% D- 273 to 290

<60% to 0% F Less than 273

**Course Policies**

**Attendance:** Participation is an essential element towards good performance and success in this course. If there is a reason that you will not be able to participate for an extended period, arrange the absence with the instructor as soon as possible in advance. Of course attendance in this course means that you participate online every week. This involves doing the required reading, tutorials, web page assignments, and quizzes.

**Assignments:** Assignments will be available on the Canvas CTEC 122 home page. There are three types of assignments; practice tutorials (Tutorials), Discussion Forums and assigned web pages. Assigned web pages need to be turned in. Discussion Forums require you to answer topic related questions and reply to other student’s posts. Deadlines will be given in the Canvas Modules and are available in the Canvas calendar.

Late Final Projects will only be accepted if **prearranged** due to an emergency that was cleared with the instructor in advance of the final due date.

**Quizzes:** Missed quizzes cannot be made up.

**Dropping a Class, Incompletes, Etc.**: Students who find it necessary to withdraw from classes must do so formally. The withdrawal is effective on the date a Change of Registration form is processed at the Registration Office. The dates for dropping/withdrawing classes are listed in the quarterly schedule of classes.

**No withdrawals will be accepted after the eighth week of classes during fall, winter and spring quarters. Check the** [**College’s website**](http://www.clark.edu/) **for the exact date.**

A class officially dropped before the tenth day of instruction will not be entered on the student's transcript.

**The College mandates that a student who doesn’t officially withdraw from a course will receive a grade based upon the number of points earned for the quarter.**

Incomplete grades and post-quarter arrangements for completing course work will only be considered by the instructor for reasons of illness or other circumstances beyond the student's control. The student must be getting a grade of C or better to be considered for an Incomplete. Guidelines for incomplete grades and other college policies regarding grade assignment are located in the Clark College catalog.

**Personal Conduct**: Students are responsible for ensuring that their personal conduct is in accordance with the following guidelines:

* Treat the instructor, other students, visitors, College employees, and College property with respect.
* Refrain from engaging in harassing or demeaning behavior or any other behavior that disrupts the learning environment. This is especially pertinent when working in Discussion Forums.
* Comply with the policies and regulations established by the college, including the Code of Student Conduct and the Clark College Computing Resource Policy (also available in the current Clark College Catalog).
* Listen carefully to the views of others, even if they differ from yours; present differing opinions in a constructive manner. Comply with the policies and regulations established by the college, including the Code of Student Conduct.

**General Statement of Student Expectations**: A student enrolled in this course must understand that sharing of passwords, plagiarizing, and disrespecting copyright and intellectual property rights are considered a demonstration of inappropriateness of behavior for further study in the college environment. Violating students will be referred to the Dean of Students.

Additional student expectations may be discussed during the first week of this course. Students will be expected to comply with these expectations at all times.

**Assistance from other students during tests**: Each student is expected to complete their quizzes without the help of any other individual...

**Integrity regarding assignments**: Students are expected to do their own work in this course. Assignments that are too similar will be returned with a grade of zero the first time for both students. A second offense may result in a grade of "F" for the quarter. It is in your best interest to do your own work and ensure that your work is not being used by anyone else. Also, **this is a course in HTML code. HTML generators are not allowed during this course or for assignments or projects**. Any work that appears to be developed using a code generator will receive a zero grade the first time. A second offense may result in an "F" for the quarter.

**Cheating**: Any student caught copying or rewriting someone else's work, having someone else do their assignments, or cheating in any fashion will receive a zero for that test or assignment. A second offense will result in an automatic "F" in the course. The same rule applies to those who allow their work to be copied. You are expected to do your own work.

**Guided Activities and Lecture**: Much of the instruction for the course will be in the form of textbook reading, reading Internet articles and tutorials, and "guided activity" by the instructor. Because this is an Internet-based course rather than a lecture course, the student will have to maintain strict discipline in completing the assignments and reading in a timely manner.

**Email-mediated Homework**: All web page assignments and the Final Project are considered completed and turned in when the course’s instructor receives a notification from Canvas that the assignment has been submitted. There is no need to email the instructor when you have completed your assignments or quizzes.

**Penguin Alert for Student Success (PASS):**

Your instructor in this course may use the PASS system to let you know if s/he has concerns about your academic performance early enough to give you time to improve. Additionally, instructors may also give kudos by reporting on improved behaviors over the term, such as better attendance, grades or peer support. If your instructor uses PASS to let you know what you need to work on, you will receive an email explaining the problems along with a list of free campus services that can assist you; you may also receive follow-up from support staff, who will offer to help.

As not all instructors will use PASS it is your responsibility to be aware of how you are progressing in your classes. Learn more about the PASS System at

<http://www.clark.edu/campus-life/student-support/student_success/pass/index.php>.

**CTEC Support Services**

Tutors, open computer labs, and a wide range of student services are available. Contact your instructor, as soon as possible, if you have any questions about available support and/or tutoring services.

[Computer Lab hours](http://www.clark.edu/campus-life/student-support/computing_resources/hours.php) are posted outside of each lab area. The SHL 135 lab is fully equipped with all software required to meet your course needs. Computer lab staff members are available for questions or assistance while the lab is open. They may also be able to help you with access to tools and other essential issues, but they do not serve as your tutors.

On the front page of Canvas for our course, there is listed a Tutoring Schedule for your use.

**Other**

**Support Services:**

If you have difficulties, fall behind in your work; find it difficult to focus etc. you should make an appointment to see one of the instructors during office hours. Students are encouraged to form study groups. If you need help forming a study group, contact one of the instructors. Computer Lab assistants will help with general problems in using the lab, but are not expected to act as tutors. If you would like to have a tutor, contact the tutoring center at 992-2253 or see one of your instructors for some help in making that contact.

**ADA Accommodations**:

If you have emergency medical information which should be shared; or if you require assistance in case the building should be evacuated; please make an appointment to see me as soon as possible during the office hours indicated in this syllabus. Any student with a disability who may require accommodation in order to fully participate in this course should contact the Disability Support Services Office at (360) 992-2314 or (360) 991-0901 (VP) or stop by GHL 137. Click the following for more information.

<http://www.clark.edu/campus-life/student-support/disability_support/index.php>

**Important College-Wide Student Information**  
Click the following for important college-wide student information.

<http://www.clark.edu/academics/syllabi/>