

CMPS 370 - SEMINAR - sec.002 HTML Certificate CRN: 1858

COURSE INFORMATION:

Units:	1.0 Credit Hours
Pre-Req.:	CMPS 218
Schedule Types:	Seminar
Requirements:	Core Requirements for the Computer Science and Computer Engineering B.S.
Class Location:	Founders Hall 207
Course Time:	M: 6:00 – 9:25 p.m.

INSTRUCTOR INFORMATION:

Instructor:	Prof. Dr. Eng. Jozef Goetz,
Office:	Founders Hall 108 B
E-mail:	JGoetz@laverne.edu
Phone:	(909) 448 - 4663
Office Hours:	M: 5:45 – 6.00 pm or by appointment.

COURSE DESCRIPTION:

This course complements CMPS 218. Through a combination of demonstration, hands-on exercises, assignments, students learn HTML, HTML 5 Basic, Links, Tables, Color and Graphics, Frames, Forms, Cascading Style Sheets (CSS) and Web Multimedia.

Web Development Tools: **w3schools.com** - the **world's largest web developer site**, Adobe Dreamweaver, Notepad++, WinSCP, Mozilla Firefox, Google Chrome, Microsoft Edge and add-ons for Google Chrome such as Web Developer. **This course introduces HTML hand-coding with practical interactive tutorial exercises in order to pass the HTML Developer Certificate.** It sounds like a good investment for any future changes you may want to make to the site, and overall it will help you a lot with your future website endeavors. More than 10,000 certificates already issued!

COURSE OBJECTIVES:

The **goal** of this course is to prepare students to

1. learn and understand the **concepts** and **building blocks** of Web pages with HTML and CSS.
2. gain fundamental knowledge of web development.
3. use to format text, create hyperlinks, tables, lists, forms, frames, display images etc.
4. be able to develop and maintain web pages unlimited to a particular software program's features.
5. pass the **HTML Developer Certificate**.

Student learning outcomes:

Course Contributions		Student Learning Outcomes for Internet Programming, Information Science, and Software concentrations (SLOCS)
*	i	Ability to use current techniques, skills, and tools necessary for computing practice

GENERAL LEARNING OUTCOMES:

1. Acquire **understanding** of basic concepts in Computer Science.
2. **Communicate** effectively both orally and in writing to their peers.
3. Demonstrate skills in **analyzing** problems before and during project assignments.
4. Conduct research to **solve** problems independently.
5. Obtain a sense of “**urgency**” to meet deadlines.
6. Get a **foundation** for a future employment in industry related to concentration areas such as Internet Programming, Software, e-commerce and Information Science.

📖 TEXTBOOK:

At w3schools.com you will learn how to make a website. An HTML tutorial is available at <http://www.w3schools.com/html/default.asp>. It is the **best** (number **one**) web design training resources on online resource on the list at <http://www.creativebloq.com/web-design/training-online-resources-812225>. W3Schools' site offers a steady progression of interactive tutorials that explains everything in **plain** and **simple** language and, more importantly, lets you **play with markup live on the site**, so you can see what effect the tiniest changes can have on how a web page appears in the browser. All questions in the exam are based on the content of W3Schools' HTML tutorial according to the website. We strongly recommend the following tutorial and quiz:

Tutorials: [HTML Tutorial](#)

Quizzes: [HTML Quiz](#), [HTML5 Quiz](#)

RECOMMENDED:

Terry Felke-Morris, *Web Development & Design Foundations with HTML 5 9/E*, Addison Wesley Higher Education - Pearson, **2019**, Print ISBN-10: 0134801148, Print ISBN-13: 978-0134801148.

🌀 NATURE OF ACTIVITIES IN THE CLASS:

🔔 Attendance and Participation:

Required and verified. Attendance and class participation are important in this course. You are expected to be **prepared prior to entering class**. You have to **read Lecture Notes** and the **HTML tutorial**.

🔔 Timeliness:

You are expected to be in your seats and ready to begin class promptly at the start of each class. **Tardiness** will not be tolerated. **Don't leave the class before class ends**. When students do that, it **negatively affects the whole class**. It is **distracting** and **rude**, and **sends a message** that the **material is easy, which is not true**. Schedule your day such that you may manage contingencies (such traffic, doctor appointments, etc.) when they occur.

☐ Quizzes:

A quiz will be given during each session. Please **attend class regularly and keep up** with course material. **No-makeup quizzes** are allowed.

🔪 Exams:

The HTML exam will be taken over the Internet, at any time and from any location, but the exam should be supervised by a professor/supervisor. The exam consists of **70 multiple choice or true/false questions**. The exam is time-limited to 70 minutes. Candidates must **have 75% correct answers** to pass the exam and **become certified**. Candidates who have more than **95% correct answers will get an Excellency Degree** notation added to **their certificate**. Immediately after completing the exam, you will be informed of your score and of your pass/fail status. If you fail, or want to improve your score, you can take the exam one more time. The **best result of the two attempts will count**.

If you achieve certification status, W3Schools will ship you an [HTML Developer Certificate](#) at the cost of \$95. The document will contain your personal data acknowledging your status as a **Certified HTML Developer**.

The professor/supervisor should be used to see that you do not cheat. The professor's name and title will be printed on the certificate to add credibility to your certificate. When you receive the hardcopy of the Certificate, you should ask for a signature from your professor.

🔪 EVALUATION AND GRADING:

The course grade will be calculated as follows:

Lab exercises:	15%
Quizzes:	05%
Best result of two exam attempts have x (i.e. = 80%) correct answers:	x=80%
Total = x + 20%:	100%

Final course grades will be assigned to x + 20% as follows:

95 – 100 = A	90 – 94 = A-	87 – 89 = B+
85 – 86 = B	80 – 84 = B-	77 – 79 = C+
75 – 76 = C	70 – 74 = C-	67 – 69 = D+
65 – 66 = D	0 – 64 = F	

Course material:

All handouts will be posted at <http://classes.jgspectrum.com/>. You will see a folder labeled CMPS 370, and all CMPS 370 documents should be in it. You can then copy them to your computer.

Others:

Before class begins, turn off cell phones. The cell **phone vibrating** or a **student texting** can be very **distracting** to those **around the student**, including the **faculty**. Please don't use **cell phones, e-mails, keyboards, browsers** etc. **during class** unless the instructor asks you. **Desktops** and **laptops** are to be **used only** for the purpose of lab exercises and taking notes. No recording devices are allowed.

No clicking keyboard while lecturing. Please don't leave the class meeting during class. All the above activities are **very disruptive** to others in class. Every time students should **bring a USB flash drive** to class. Please note that absolutely **all of your work must be saved on your USB drive after each class.**

Patience and **attention** to detail are important to succeed in programming in HTML and CSS.

 **Tentative schedule (subject to change):** **The latest update is in my assignment.doc.**

Date	Topics
Jan 7	HTML5 Tutorial <ol style="list-style-type: none">1. HTML HOME2. HTML Introduction3. HTML Editors4. HTML Basic5. HTML Elements6. HTML Attributes7. HTML Headings8. HTML Paragraphs9. HTML Styles10. HTML Formatting11. HTML Quotations12. HTML Comments13. HTML Colors14. HTML CSS15. HTML Links16. HTML Images17. HTML Tables18. HTML Lists19. HTML Blocks20. HTML Classes21. HTML ID22. HTML Iframes
Jan 14	<ol style="list-style-type: none">1. HTML JavaScript2. HTML File Paths3. HTML Head4. HTML Layout5. HTML Responsive6. HTML Computercode7. HTML Entities8. HTML Symbols9. HTML Charset10. HTML URL Encode11. HTML XHTML HTML Forms <ol style="list-style-type: none">12. HTML Forms13. HTML Form Elements14. HTML Input Types15. HTML Input Attributes HTML5 <ol style="list-style-type: none">16. HTML5 Intro17. HTML5 Support18. HTML5 New Elements19. HTML5 Semantics20. HTML5 Migration21. HTML5 Style Guide

Jan 14 continue	<p>HTML Graphics</p> <p>22. HTML Canvas</p> <p>23. HTML SVG</p> <p>HTML Media</p> <p>24. HTML Media</p> <p>25. HTML Video</p> <p>26. HTML Audio</p> <p>27. HTML Plug-ins</p> <p>28. HTML YouTube</p> <p>HTML APIs</p> <p>29. HTML Geolocation</p> <p>30. HTML Drag/Drop</p> <p>31. HTML Web Storage</p> <p>32. HTML Web Workers</p> <p>33. HTML SSE</p>
Jan 28	<p>HTML Graphics</p> <p>1. Graphics HOME</p> <p>Google Maps</p> <p>2. Maps Intro</p> <p>3. Maps Basic</p> <p>4. Maps Overlays</p> <p>5. Maps Events</p> <p>6. Maps Controls</p> <p>7. Maps Types</p> <p>CSS Tutorial</p> <p>8. CSS Box Sizing</p> <p>9. CSS3 Flexbox</p> <p>10. CSS Media Queries</p> <p>11. CSS MQ Examples</p> <p>W3.CSS</p> <p>12. W3.CSS HOME</p> <p>13. W3.CSS Intro</p> <p>14. W3.CSS Colors</p> <p>15. W3.CSS Containers</p> <p>16. W3.CSS Panels</p> <p>17. W3.CSS Borders</p> <p>18. W3.CSS Cards</p> <p>19. W3.CSS Fonts</p> <p>20. W3.CSS Text</p> <p>21. W3.CSS Round</p> <p>22. W3.CSS Padding</p> <p>23. W3.CSS Margins</p> <p>24. W3.CSS Display</p> <p>25. W3.CSS Buttons</p> <p>26. W3.CSS Notes</p> <p>27. W3.CSS Quotes</p> <p>28. W3.CSS Alerts</p> <p>29. W3.CSS Tables</p> <p>30. W3.CSS Lists</p> <p>31. W3.CSS Images</p> <p>32. W3.CSS Inputs</p> <p>HTML Examples</p> <p>33. HTML Examples</p> <p>34. HTML Quiz</p> <p>35. HTML Certificate</p> <p>36. HTML Summary</p> <p>37. HTML Accessibility</p> <p>HTML References</p> <p>38. HTML Tag List</p> <p>39. HTML Attributes</p> <p>40. HTML Events</p> <p>41. HTML Colors</p> <p>42. HTML Canvas</p> <p>43. HTML Audio/Video</p> <p>44. HTML Doctypes</p> <p>45. HTML Character Sets</p> <p>46. HTML URL Encode</p> <p>47. HTML Lang Codes</p> <p>48. HTTP Messages</p> <p>49. HTTP Methods</p> <p>50. PX to EM Converter</p> <p>51. Keyboard Shortcuts</p>
Jan 29	<p>The HTML exam – 2nd trial 5</p>

College and career readiness

Knowledge is power, especially in the current job market. Getting a certificate proves your commitment to **upgrade your skills, gives you the credibility needed for more responsibilities, larger projects, and a higher salary.**

- **91%** of hiring managers consider certification as part of their hiring criteria. (Microsoft, *Microsoft Certification Program Satisfaction Study*, April 2012)
- **64%** of IT hiring managers rate **certifications** as having **extremely high or high value in validating the skills and expertise** of job candidates. (CompTIA, *Employer Perceptions of IT Training and Certification*, January 2011)
- **In a survey of 700 IT networking professionals, 60% certification led to a new job.** (Network World and Solar Winds, *IT Networking Study*, October 2011).

♣PLAGIARISM POLICY:

A grade of “F” will be assigned for the course for any occurrence of the **academic dishonesty either in exam, quiz or assignments.** The dean may place on probation, suspend, or expel any student who violates the academic honesty policy. (See ULV catalog).