University of La Verne

COMPUTER SCIENCE & COMPUTER ENGINEERING PROGRAM

Central Campus, January 2021

CMPS 370 - SEMINAR - sec.002 HTML Developer Certificate CRN: 1298

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!

SPECIFIC GOALS FOR THE COURSE

a. Specific outcomes of instruction:

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**.

b. Student learning outcomes:

Course Contributions		Student Outcomes (SO)s and Performance Indicator (PI) that measure SO's of CMPS courses
*		Ability to design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.

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 ACTIVITES 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 provide 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** 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. Please note that absolutely **all of your work must be saved on your computer/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 4	**HTML5 Tutorial** 1. HTML HOME 2. HTML Introduction 3. HTML Editors 4. HTML Basic 5. HTML Elements 6. HTML Attributes 7. HTML Headings 8. HTML Paragraphs 9. HTML Styles 10. HTML Formatting 11. HTML Quotations 12. HTML Comments 13. HTML Colors 14. HTML CSS 15. HTML Links 16. HTML Images 17. HTML Tables 18. HTML Lists 19. HTML Blocks 20. HTML Classes 21. HTML ID 22. HTML Iframes
Jan 11	1. HTML JavaScript 2. HTML File Paths 3. HTML Head 4. HTML Layout 5. HTML Responsive 6. HTML Computercode 7. HTML Entities 8. HTML Symbols 9. HTML Charset 10. HTML URL Encode 11. HTML XHTML **HTML Forms** 12. HTML Forms 13. HTML Form Elements 14. HTML Input Types 15. HTML Input Attributes **HTML5** 16. HTML5 Intro 17. HTML5 Support 18. HTML5 New Elements 19. HTML5 Semantics 20. HTML5 Migration 21. HTML5 Style Guide

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

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.** On average, certified employees earn 15% more than those without certification and are nearly 20% more productive.

- **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).