CPSC 2125 Internet Programming

Fall 2016

INSTRUCTOR INFORMATION

INSTRUCTOR NAME: Dr. Vladimir Zanev
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PHONE: (706) 507-8182
OFFICE HOURS AND LOCATION: MWF 2:00 – 4: p.m., TR 10:00 – 12:00 p.m., CCT 442
MEETING TIME AND PLACE: TR 10:00 – 10:50 a.m., CCT 407

COURSE INFORMATION

COURSE NUMBER/TITLE (CRN): CPSC 2125 Internet Programming (CRN 80875)

CREDIT HOURS/PREREQUISITES: 3 credit hours, prerequisites – CPSC 1301 and 1301L with grade of C or better.

COURSE DESCRIPTION
This course is an introduction to Internet programming and Web application development. Subjects covered include Web pages development using HTML5 and Cascading Style Sheets (CSS3), introduction to client-side scripting with JavaScript, and jQuery, creation of dynamic Web pages, and development of Web-based applications.

REQUIRED TEXTBOOK AND TUTORIALS

	Web Development & Design Foundations with HTML5 8th Edition by Terry Felke-Morris Publisher: Pearson Year: 2016 ISBN-10: 0-13-432275-4 ISBN–13: 978-0-13-432275-9
JavaScript Tutorial	http://www.w3schools.com/js
jQuery Tutorial	http://www.w3schools.com/jquery

RECOMMENDED TUTORIALS

HTML5 Tutorial and Reference	http://www.w3schools.com/html
CSS Tutorial and Reference	http://www.w3schools.com/css

SUPPLEMENTARY BOOKS AND MATERIALS

- Slides: available on CougarView course Web site (Resources Web page)
- Source Code examples: available on CougarView course Web site (Resources Web page)
- http://www.w3schools.com : code examples on HTML5, CSS3, Java Script, and jQuery

LEARNING OUTCOMES

COURSE OBJECTIVES
 Upon completion of this course, students will
- Understand the concepts of Internet, World Wide Web, protocols, Web browsers, and Web pages
- Understand Web sites and Web applications development
- Be able to design and develop Web pages with HTML5 applying text, color, images, links, tables, and forms
- Be able to design and develop Web pages with HTML5 applying layouts, frames, audio, and video
- Understand and apply Web content using Cascading Style Sheets (CSS3)
- Demonstrate knowledge of JavaScript and develop Web applications with JavaScript programming
- Demonstrate knowledge of DOM objects and developing dynamic Web pages
- Be able to create Web pages using JQuery programs

COURSE LEARNING OUTCOMES
- **Students will learn to understand the Internet, World Wide Web, Web browsers, and Web pages**
  - o Strategies and Actions used to produce the outcome: Learn about Internet, WWW, browsers, and Web pages
  - o ABET Criteria covered: A, B, J, K
  - o Program Objectives covered: 1 and 3.
  - o Assessment Methods: Assignments and Quizzes, Midterm and Final Exams.
- **Students will learn to understand how to design and implement Web pages and Web sites**
  - o Strategies and Actions used to produce the outcome:
    - ▪ Learn and apply HTML5 markup language in Web pages and Web sites development
    - ▪ Learn and apply CCS3 specification language in Web pages development
  - o ABET Criteria covered: A, B, C, E, J, and K.
  - o Program Objectives covered: 2 and 3.
  - o Assessment Methods: Assignments, Quizzes, Midterm and Final Exam.
- **Students will learn to be able to implement and use Web applications using JavaScript programming language**
  - o Strategies and Actions used to produce the outcome:
    - ▪ Learn client-side programming language JavaScript
    - ▪ Learn developing Web application using Java Script
  - o ABET Criteria covered: B, C, D, E, J, and K.
  - o Program Objectives covered: 2 and 3.
  - o Assessment Methods: Assignments, Quizzes, Midterm and Final Exam.
- **Students will learn to be able to develop dynamic and interactive Web pages**
  - o Strategies and Actions used to produce the outcome:
    - ▪ Learn Document Object Model
    - ▪ Learn jQuery technology
  - o ABET Criteria covered: B, C, J, and K.
  - o Program Objectives covered: 2 and 3.
  - o Assessment Methods: Assignments, Quizzes, Midterm and Final Exam.
  - o ABET Criteria covered: B, C, and D.
  - o Program Objectives covered: 2 and 3.
  - o Assessment Methods: Quizzes, Midterm Test and Final Exam.

COURSE ASSESSMENT

LEARNING ACTIVITIES

- Class sessions (textbook and tutorial topics, slides, source code)
- Quizzes
- Assignments
- Midterm exam
- Final exam

Class Sessions

The CPSC 2125 online class is based on MWF in-class sessions each one of 50 min. To complete all class requirements you need an additional amount of time. You have to cover chapter topics from the textbook and appendices, slides, tutorials, and code examples. The topics covered in the class follow the course schedule. See the class Schedule for details. Each student is expected to complete all textbooks chapters and tutorials, attend all class lectures, read the textbook chapters, and make notes.

Quizzes

The quizzes are based on the textbook and tutorials topics. The quizzes are multiple choice, timed, one-attempt quizzes. Quizzes are designed to help students learn better the course topics and prepare well for the midterm and final exams. All quizzes are with firm due date and time. **No make-up quizzes will be given unless the quiz was missed due to a documented emergency**.

Assignments

Web development activities as designing and developing Web pages and Web sites using HTML5, CSS3, JavaScript, and jQuery cannot be learned simply by reading a textbook. The assignments are "hands-on practice" part of the course that allows developing skills and experience in implementing Web pages, Web sites, and client-side scripting programs with JavaScript and jQuery. You must practice, practice, and practice solving different problems by designing and implementing real Web pages and sites. Assignments will focus on one or more of the learning objectives. **All assignments are with firm due date and time.** Late assignments are not accepted for credits**.**

Midterm and Final exams

Your performance in this class will be measured by two exams - Midterm and Final Exam. The Midterm and the Final Exam will be take home, online, problem-solving, timed exams. No make-up exam will be given unless the exam was missed due to a documented emergency.

COURSE EVALUATION

The final grade will be obtained from the following:

Quizzes	15%
Assignments	40%
Midterm Exam	20%
Final Exam	25%

The letter grade will be assigned as follows:

Grade	Points
A	90-100
B	80-89
C	70-79
D	60-69
F	0 -59

ADMINISTRATIVE POLICIES AND ACADEMIC RESOURCES

CSU DISABILITY POLICY

If you have a documented disability as described by the Americans with Disabilities Act (ADA) and the Rehabilitation Act of 1973, Section 504, you may be eligible to receive accommodations to assist in programmatic and/or physical accessibility. We recommend that you contact the Office of Disability Services located in Schuster Student Success Center, Room 221, 706-507-8755 as soon as possible. Students taking online courses can contact the Office of Disability services at http://disability.columbusstate.edu/. The Office of Disability Services can assist you in formulating a reasonable accommodation plan and in providing support. Course requirements will not be waived but accommodations may be able to assist you to meet the requirements. Technical support may also be available to meet your specific need.

ACADEMIC INTEGRITY

All students are expected to recognize and uphold standards of intellectual and academic integrity. As a basic and minimum standard of conduct in academic matters that students be honest and that they submit for credit only the products of their own efforts. Both the ideals of scholarship and the need for fairness require that all dishonest work be rejected as a basis for academic credit. They also require that students refrain from any and all forms of dishonorable or unethical conduct related to their academic work.

Students are expected to comply with the provisions of Section III, "Student Responsibilities," of the Columbus State University Student Handbook. This specifically includes the sections on "Academic Irregularity," and "Conduct Irregularity." In particular, the Columbus State University Student Handbook states:

"No student shall give or receive assistance in the preparation of any assignment, essay, laboratory report, or examination to be submitted as a requirement for any academic course in such a way that the submitted work can no longer be considered the personal effort of the student submitting the work."

Examples of Academic Dishonesty include but are not limited to: Plagiarism (see definition below), giving or receiving unauthorized assistance on exams, quizzes, class assignments or projects, unauthorized collaboration, multiple submissions (in whole or part) of work that has been previously submitted for credit.

Plagiarism is any attempt to represent the work or ideas of someone else as your own. This includes purchasing or obtaining papers from any person and turning them in as your own. It also includes the use of paraphrases or quotes from a published source without properly citing the source.

Please be aware that anyone caught cheating or plagiarizing in this class will receive a "0" for the assignment/exam and may receive a "0" for the course.

STUDENT COMPLAINT PROCESS

Information and resources for student complaints and academic appeals are located at the following link on the Columbus State University website http://aa.columbusstate.edu/appeals/.

COURSE ATTENDANCE POLICY

Attendance at all classes and other activities (lecture periods, laboratory sessions, tests, examinations, or other schedule meetings) is required of every student at Columbus State University. The attendance record begins with the first meeting of the class, and one who registers late is responsible for class work

missed. A student wishing to drop should complete the official procedure before the deadline. Those who violate the attendance policy may receive an "F" at the discretion of the instructor.

TECHNICAL RESOURCES

HARDWARE REQUIREMENTS
The students have to have access to computer with the software required (see the Software Requirements below) and Internet access to the CougarView class site (see
[How do I know if my computer will work with D2L?)](#)

SOFTWARE REQUIREMENTS
To complete all lessons, assignments, quizzes, and exams, you will need computer with:
- Windows XP/Vista/7/8/10
- Browser: Internet Explorer (caution: IE is often problematic for CougarVIEW), Chrome, or Firefox
- MS PowerPoint, Adobe Acrobat Reader
- Text Editor:
    o NotePad++ (Windows)
    o TextEdit (Mac OS X)
    o Sublime Text (Windows and Mac OS X)
- Dreamweaver (available only in the Department labs)

If you need technical support or need assistance configuring your computer with CougarView access, you can refer to the link located in the "Support Resources" widget located on your "My Home" and your "Course Home" CougarView pages. If you cannot solve your problem after reviewing the knowledge base help pages, you can call help center 24-7 and talk to a Help Center agent. The number is 1-855-772-0423.

OTHER

How to Access the Course
You can access the course through CougarView at: http://colstate.view.usg.edu/
At this page, select the "Log on to" CougarView link to activate the CougarView logon dialog box, which will ask for your CougarView username and password. Your CougarView username and password are the same as your Cougarnet username and password:
Username: lastname_firstname
Password: XXXX
Default password is your birthday in the format of DDMMYY.
If you try the above and CougarView will not let you in, please use the "Comments/Problems" link on the CougarView home page to request help. If you are still having problems gaining access a day or so after the class begins, please e-mail me immediately.
Once you've entered CougarView, you will see a list of courses you have access to. The CPSC 2125 course is listed as "Internet Programming Section V01 Spring Semester 2016 CO". Next to this, you should see my name as the instructor. You may also see new discussion postings, new calendar postings, and new mail messages. Clicking on the name of the course will take you to the course's home page. If you do not see the Internet Programming course in the list, please e-mail me **immediately**.
Once you have clicked on the course's name and accessed the particular course itself, you will find a home page with links to other sections and tools, and a menu on the left-hand side. Feel free to explore the areas in the course.
It is your responsibility to frequently look at the course website to keep your knowledge of class activities current

Getting help

Student assistants in the public Computer Center labs / library can help you with basic computer-related problems such as logging on to the network, saving your work, etc., but they are not obligated to help you with your assignments.

There are several tutors in the School of Computer Science lab (CCT450) who can help you with the assignments. Their schedule is posted in the Computer Science School. You can always contact me during my posted office hours, by e-mail, or by appointment.

Discussion Etiquette

CSU is committed to open, frank, and insightful dialogue in all of its courses. Diversity has many manifestations, including diversity of thought, opinion, and values. Students are encouraged to be respectful of that diversity and to refrain from inappropriate commentary. Should such inappropriate comments occur, I will intervene as I monitor the dialogue in the discussions. I will request that inappropriate content be removed from the discussion and will recommend university disciplinary action if deemed appropriate. Students as well as faculty should be guided by common sense and basic etiquette. The following are good guidelines to follow:

- Never post, transmit, promote, or distribute content that is known to be illegal.
- Never post harassing, threatening, or embarrassing comments.
- If you disagree with someone, respond to the subject, not the person.

Never post content that is harmful, abusive; racially, ethnically, or religiously offensive; vulgar; sexually explicit; or otherwise potentially offensive.

Student Responsibilities

As a student in this course, you are responsible to:

- manage your time and maintain the discipline required to meet the course requirements
- read the text and slide topics covered in the online sessions
- execute all assignments (all assignments due date/times are firm)
- complete all quizzes (all quiz due dates/times are firm)
- take the exams as they are scheduled in the course schedule (all exam dates/times are firm)
- actively participate in discussions
- read any email sent by the instructor and respond accordingly
- adhere to all course deadlines

"I didn't know" is **NOT** an acceptable excuse for failing to meet the course requirements. If you fail to meet your responsibilities, you do so at your own risk.

COURSE SCHEDULE

The schedule is based on 45 days of 50-minute classes and 15 weeks of instruction. You have to cover all scheduled class work and requirements on strict basis session by session, week by week (readings, slides, quizzes, assignments, and exams). All due dates and times for the class requirements are firm.

WEEK	DATE	TOPICS	QUIZZES, ASSIGNMENTS, EXAMS
1	August 15th – 19th		
	Mon, 08/15	Class organization and administration.	
	Wed, 08/17	Chapter 1. Introduction to the Internet and World Wide Web	
	Fri, 08/19	Chapter 1. Introduction to the Internet and World Wide Web	
2	August 22nd – 26th		
	Mon, 08/22	Chapter 2. HTML Basics	Quiz 1. Chapter 1
	Wed, 08/24	Chapter 2. HTML Basics	
	Fri, 08/26	Chapter 2. HTML Basics	
3	August 39th – September 2nd		
	Mon, 08/29	Chapter 3. Configuring Color and Text with CSS	Quiz 2. Chapter 2 Assignment 1
	Wed, 08/31	Chapter 3. Configuring Color and Text with CSS	
	Fri, 09/02	Chapter 3. Configuring Color and Text with CSS	
4	September 5th – 9th		
	Mon, 09/05	Labor Day. No classes.	
	Wed, 09/07	Chapter 4. Visual Elements and Graphics	Quiz 3. Chapter 3 Assignment 2
	Fri, 09/09	Chapter 4. Visual Elements and Graphics	
5	September 12th – 16th		
	Mon, 09/12	Chapter 4. Visual Elements and Graphics	
	Wed, 09/14	Chapter 5. Web Design	Quiz 4. Chapter 4 Assignment 3
	Fri, 09/16	Chapter 5. Web Design	
6	September 19th – 23rd		
	Mon, 09/19	Chapter 6. Page Layout	Quiz 5. Chapter 5
	Wed, 09/21	Chapter 6. Page Layout	
	Fri, 09/23	Chapter 6. Page Layout	
7	September 26th – 30th		
	Mon, 09/26	Chapter 7. More on Links, Layout, and Mobile	Quiz 6. Chapter 6 Assignment 4
	Wed, 09/28	Chapter 7. More on Links, Layout, and Mobile	
	Fri, 10/30	Chapter 7. More on Links, Layout, and	

		Mobile Review for the Midterm Exam	
8	**October 3rd – 7th**		
	Mon, 10/03	Chapter 8. Tables	Quiz 7. Chapter 7 Assignment 5
	Wed, 10/05	**Midterm Exam**	**Midterm Exam**
	Fri, 10/07	Chapter 9. Forms	
9	**October 9th – 14th**		
	Mon, 10/10	Chapter 9. Forms	Quiz 8. Chapter 8 Assignment 6
	Wed, 10/12	Chapter 9. Forms	
	Fri, 10/14	Chapter 10. Web Development	
10	**October 17th – 21st**		
	Mon, 10/17	Chapter 11. Web Multimedia and Interactivity	Quiz 9. Forms Assignment 7
	Wed, 10/19	Chapter 11. Web Multimedia and Interactivity	
	Fri, 10/21	Chapter 11. Web Multimedia and Interactivity	
11	**October 24th – 28th**		
	Mon, 10/24	Chapter 12. E-Commerce Overview	Quiz 10. Chapter 11 Assignment 8
	Wed, 10/26	Chapter 14. A Brief Look at JavaScripts and jQuery	
	Fri, 10/28	Chapter 14. A Brief Look at JavaScripts and jQuery	
12	**October 31st – November 4th**		
	Mon, 10/31	Chapter 14. A Brief Look at JavaScripts and jQuery	
	Wed, 11/02	JavaScript Tutorial on W3School site: JS Tutorial	Quiz 11. Chapter 14 Assignment 9
	Fri, 11/04	JavaScript Tutorial on W3School site: JS Tutorial	
13	**November 7th - 11th**		
	Mon, 11/07	JavaScript Tutorial on W3School site: JS HTML DOM, JS Browser BOM	
	Wed, 11/09	JavaScript Tutorial on W3School site: JS Forms, JS Objects, JS Functions	
	Fri, 11/11	JavaScript Tutorial on W3School site: JS Forms, JS Objects, JS Functions	Assignment 10
14	**November 14th – 18th**		
	Mon, 11/14	JavaScript Tutorial on W3School site: JS Examples: JS HTML DOM, JS HTML Input	
	Wed, 11/16	JavaScript Tutorial on W3School site: JS Examples: JS HTML DOM, JS HTML	Quiz 12. JavaScript Assignment 11

		Input	
	Fri, 11/18	JavaScript Tutorial on W3School site: JS Examples: JS Objects, JS Events, JS Browser	
15	**November 21st – 25th**		
	Mon, 11/21 Wed, 11/23 Fri, 11/25	Thanksgiving Break. No classes.	
16	**November 28th – December 2nd**		
	Mon, 11/28	jQuery Tutorial on W3School site: jQuery Tutorial, jQuery Effects	
	Wed, 12/30	jQuery Tutorial on W3School site: jQuery Tutorial, jQuery Effects	
	Fri, 12/02	jQuery Tutorial on W3School site: jQuery HTML, jQuery Traversing	Quiz 13. jQuery Assignment 12
17	**December 5th – 9th**		
	Mon, 12/05	jQuery Tutorial on W3School site: jQuery Examples Review for the Final Exam	
	Tue, 12/06	Study Day	
		Final exam	**Final exam**