CPSC6175 COURSE SYLLABUS

INSTRUCTOR INFORMATION

INSTRUCTOR NAME: Jianhua YANG
EMAIL: yang_jianhua@ColumbusState.edu
PHONE: 706-507-8180
OFFICE HOURS AND LOCATION: TBA, CCT440
MEETING TIME AND PLACE:
      Online Offer: Via D2L
      Onsite Offer: Tuesday, 11:00am to 12:15pm CCT 406

COURSE INFORMATION

COURSE CRN NUMBER/TITLE: 20860, 20881 / Web Site Development/Technology
CREDIT HOURS/PREREQUISITES: 3/ CPSC 2108, CPSC 3131

COURSE DESCRIPTION

This course teaches the fundamentals of Web technologies and Web site development. This course covers many open technologies including ASP.NET C#, CSS, AJAX, User Control, JQuery, and LINQ. Students will learn this course by 1) project-centered approach combining technical foundations and hands-on experiences; 2) implementation of real-world web applications and secure web transactions; 3) software development life cycle for web applications. Upon completion of the course, students are expected to be able to design and develop Web application proficiently using ASP.NET with C#.

REQUIRED TEXTBOOK AND MATERIALS

Textbook:

Imar Spaanjaars, "Beginning ASP.NET 4.5 in C# and VB", ISBN: 978-1-118-31180-6, WROX.

Other Required Materials:

1. Knowing how to use SQL/Server to manage a database.
2. Install SQL Server Management 2012/2017 or other version to your computer
3. Install Visual Studio Express 2017 for Web or other version to your computer
4. Install IIS in your computer

Additional textbooks and References

1. Adrian Turtsci. C#.NET Web Developer's Guide. Syngress, 2005, ISBN-13: 978-1928994503
2. Computing with C# and .NET Framework by Art Gittleman, ISBN-13**:** 9780763723392
3. Murach's ASP.NET 4.5 Web Programming with C# 2011

Instructional Materials:

1. The copyright of all the PPT slides from Chapter 1 to Lecture 14 belongs to Jianhua Yang. We are also permitted by the publisher and the authors to use the materials in this class.

2. All the papers in Handout folder at D2L are downloaded from portal of CSU library. CSU has the permission to use them for academic purpose.

4. All the programming hands-on assignments are designed by the instructor. Students use ASP.NET to make the code. CSU purchased the permits to use ASP.NET and Visual Studio including the permission to use the programming examples in a class offered in CSU.

LEARNING OUTCOMES

COURSE LEARNING OUTCOMES and OBJECTIVES

Learning Objectives

At the successful completion of this course, the students should

- have the capability to design and implement web site applications with ASP.NET in C# individually or as a team member (learning outcomes 1.f and 3)
- Understand the advanced features and programming techniques in C#. (learning outcomes 1.a and 1.b)
- Have the capability to develop web application software with C# in both Windows and Solaris operating systems. (learning outcome 1.c)
- Have a solid understanding on fundamental aspects of Internet programming, including the client-server model, automated data processing and transfer over Internet, interactive and executable web applications, user controls, CSS, AJAX, Jquery, data sources, LINQ, and web site deployment. (learning outcomes 1.a, 1.b, 1.f, 5 and 6)
- Have some fundamental understanding on the architecture of computer network and the design of network protocols. (learning outcome 1.d)

PROGRAM/GEN ED LEARNING OUTCOMES

1. Students will, upon completion of this course, have a broad understanding and knowledge skills in computer programming languages and web site development technologies.
   a. Students will have a conceptual understanding and practical experience in ASP.NET and web application development;
   b. Students will have a strong foundation in at least one higher-level programming language and one logic programming language;
   c. Students will have a strong understanding of at least one operating system and reasonable experience with at least one more operating system;
   d. Students will have a conceptual and fundamental understanding of computer organization, database management, operating system and software engineering;
   e. Students will have a strong foundation in design, analysis and complexity evaluation of algorithms;
   f. Students will have practical experience with the design of web site software projects in capstone courses.
2. Students will have courses that focus on in depth understanding of selected areas of computer science.
3. Students will have reasonable experience in the design and implementation of a large software system, web site and application both individually and as a team member along with associated ethical and social issues.
4. Students will be able to communicate effectively both orally and in written reports.
5. Students will have the knowledge and skills to pursue careers in industry and/or higher education degree programs.
6. Students will be able to integrate their knowledge and skills into evolving technologies in computer science.

COURSE ASSESSMENT

LEARNING ACTIVITIES

Course Topics

1. Designing and programming your web site
2. CSS
3. C# basics
4. Using navigation and user controls
5. User input validation
6. Using Ajax
7. Using jQuery
8. Using Data sources
9. Accessing databases and LINQ
10. Security in ASP.NET

Course Methods

1. For online section, it will have instructional delivery through D2L (WebCT) and Tegrity/Kaltura (if Tegrity is not available).
2. There will be a class lecture presentation and demonstration for onsite section.
3. Students will be expected to complete hands-on exercises and a series of programming assignments.
4. Students will be expected to complete one comprehensive web site design project.
5. Students will be expected to participate in online discussion.
6. Students will be expected to participate in Midterm and Final Exams.

Student Responsibilities

1. Post your question online and critiques on your peer's question.
2. Form your own group by picking up your groupmate freely to do the collaborative project if we have one.
3. Programming assignments and term project:
    o All assignments must be typed other than hand-written and must be submitted in one package (zip file).
    o Assignments and term projects are due exactly at the required time. **Late submission is accepted, but 10 points penalty per day** is applied.
    o Submit the softcopy of the assignments through your D2L account.
    o Any questions or complaints regarding the grading of an assignment or test must be raised **within one week** after the score or the graded assignment is made available.
4. There are no make-up tests except in verified medical emergencies and with immediate notification.
5. Providing answers for any examination when not specifically authorized by the instructor to do so, or, informing any person or persons of the contents of any examination prior to the time the examination is given is considered cheating.
6. Penalty for cheating will be extremely severe. Use your best judgment. If you are not sure about certain activities, consult the instructor. **Standard academic honesty procedure will be followed for cheating and active cheating automatically results F in the final grade.** Please http://aa.columbusstate.edu/advising/a.htm#Academic Dishonesty/Academic Misconduct for additional information.
7. Pay very careful attention to your email correspondence. It reflects your communication skills. Avoid use non-standard English such as "how r u?" in your email message. In addition, I recommend you put the class number **CPSC 6175** and a brief summary of your question in your email subject. For example,

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Subject: CPSC 6175 A question on usable web site design.
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I immediately discard anonymous emails.

Instructor Responsibilities

1. Maintain course materials at D2L including hands-on labs, quizzes, PPT slides for each chapter, and online discussion.
2. Give lectures through Tegrity/Kaltura and demonstration on the course material.
3. Assign appropriate homework that illustrates the concepts of the course, and grade and return the homework in a timely manner with adequate explanation.
4. Give tests over the material and grade and return the tests in three days after the due date.
5. Provide a website that supports the course.
6. Reply all student e–mail communications within two business days.
7. Student posting will be handled in 24 hours
8. Student Assignment/hands-labs will be graded in 3 business days; comments and feedback will be given in two business days
9. All the lecture tests will be graded in time by the system, but the feedback will be given by the instructor in one business day
10. Collaborative project will be graded and returned in four business days
11. Collaborative project will be graded and returned in four business days

Etiquette Expectations

1. Respect each other in terms of opinions and debate issues, not personalities.
2. Do not use online discussion ROOM as a chat room. The discussion room can only allow you to discuss any questions related to this class, other than anything else.
3. Do not make sexist or racial remarks in your any question of discussion.
4. Do not curse as it is offensive to some.
5. Do not make religious remarks unless they are germane to the course material.
6. We reserve the right to make new ground rules as we progress. Feel free to ask any questions that you might have if you are unclear about anything in this online class. You can always send a note to my email.
7. Assignment questions may be discussed in the online discussion room, but nobody is allowed to post any solutions for any questions included in the assignments of the class.

COURSE EVALUATION

GRADED LEARNING ACTIVITIES	Percentage	Points
Programming Assignments		30
Comprehensive Project		10
Online Discussion		10
Midterm Exam		20
Final Exam		30
TOTAL		**100**

Percentage Range	Final Grade
90-100%	A
80-89%	B
70-79%	C
60-69%	D
59% and below	F

ADMINISTRATIVE POLICIES AND ACADEMIC RESOURCES

CSU DISABILITY POLICY (ADA AND 504 STATEMENT)

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 Center for Accommodation and Access located in Schuster Student Success Center, **Room 221, 706-507-8755** as soon as possible. The Center for Accommodation and Access 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. All written assignments may be submitted for textual similarity review to Turnitin.com for the detection of plagiarism.

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.

WRITING CENTER

Please get assistance for your academic progress from [CSU Writing Center](#).

TUTORING Service

[Tutoring Center in TSYS School of Computer Science](#) can help you on any questions you have in the class online. Please follow the process covered in Chapter 0 to obtain the service to help you to reach academic goal.

CSU LIBRARY

You can always find what you need from [CSU Library](#).

TESTING CENTER

[The CSU Testing Center](#) is always ready to serve our students. **The Center** is a nationally certified test center that provides institutional testing, professional certification and licensure tests, other academic tests, and test administration services for current and prospective CSU students, students of other educational institutions, and the community at large. The Testing Center adheres to the Professional Standards and Guidelines for Post-Secondary Test Centers, as adopted by the National College Testing Association (NCTA), to the best of its ability.

COUNSELING CENTER

[CSU counselling center](#) can provide counseling services to assist students with various life concerns. Click the links for more information or call the Counseling Center at 706-507-8740 to schedule an appointment.

CAREER DEVELOPMENT CENTER

[The Center for Career Development at CSU](#) strives to enhance student success through the development and implementation of experiential learning opportunities aimed at career preparation and life skills competencies.

ADMISSION

CSU Admission Service is [here](#)!

FINICIAL AID

The Financial Aid and Enrollment Service Center teams are here to help you through the financial aid process and help you meet your educational costs. Please access it by clicking [here](#).

REGISTRA'S OFFICE

[The Office of the Registrar](#) develops and implements registration procedures and maintains student record information that allows us to maximize services to students, faculty, and staff.

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

Students are required to take part in the discussion related to each chapter through D2L.

TECHNICAL RESOURCES

HARDWARE REQUIREMENTS
[How do I know if my computer will work with D2L?](#)

SOFTWARE REQUIREMENTS

An- office suite such as Microsoft Office or Open Office

- To open PDF files you might need Acrobat Reader
- Browser Plugins (Pdf files, QuickTime files, Mp4 files) can be usually be obtained at the browsers website.
  Google Chrome
  Firefox
  Safari
  Internet Explorer (Caution: IE is often problematic for D2L-CougarVIEW)
  ASP.NET Visual Studio 2017.

If you need technical support or need assistance configuring your computer, you can refer to the link located in the "Support Resources" widget located on your "My Home" and your "Course Home" 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.

ACCESSIBILITY STATEMENT

CSU commits to providing accessibility service to all disabilities of accessing the learning management system, and all required technologies, such as D2L, NetLab.

COLLEGE SPECIFIC SECTION

N/A

COURSE SCHEDULE

Refer to Course Schedule File.