



## **CSCI 370-01 ASP Programming**

COURSE SYLLABUS: Fall 2020

### **INSTRUCTOR INFORMATION**

**Instructor:** Dr. Donghwoon Kwon

**Office Location:** Starr 302D

**Office Hours:** Please make an appointment to have online office hours

**Office Phone:** 815-226-4056

**Office Fax:** 815-394-5166

**University Email Address:** dkwon@rockford.edu

**Preferred Form of Communication:** Email

**Communication Response Time:** Within 24 hours

### **COURSE INFORMATION**

#### ***Course Description***

This class integrates and builds on the theories of Web Development and Database Management with hands on laboratory experience. Students then learn how to build .NET Framework web user interfaces and create ASP.NET Web Form applications. Students will work with a variety of ASP.NET controls, including validation controls and user controls. State management is introduced, including working with application, session and view state objects. Students also work with databases and XML files, data binding to display data in controls such as the GridView and ListView, and how to build and interact with simple WCF SOAP Web Services. PRQ: CSCI 220 or Permission of Instructor. Scheduled: Spring Yearly or as needed. Meets: MNO.

#### ***Course Objectives***

- To identify a relationship between Networking and World Wide Web
- To understand the .NET framework
- To learn C# programming as a backend programming language
- To learn ASP.NET web pages and application programs

*The syllabus is subject to change.*

- To learn both client and server sides programming
- To understand ASP.NET web services and security.

***Credit Hours:*** 4

***Prerequisite:*** CSCI220 or permission of instructor

***Class Type:*** Lecture & Lab

***Class Hours:*** Tue and Thu 11:00AM – 12:50PM at Starr Science Hall, Room 108C

***Textbook(s) Required***

- Instructor's own lecture slides and materials will be regularly and electronically provided.

***Supplemental Textbook(s)***

- Murach's ASP.NET 4.5 Web Programming with VB 2012, ISBN 978-1-890774-76-9

***Software / Device Required***

- Microsoft Visual Studio Express with .NET packages. You can download this software at <https://visualstudio.microsoft.com/downloads/>

***Optional Texts and/or Materials***

- Flash drive recommended

***Student Learning Outcomes (SLOs)***

Students will be able to

- Utilize the .NET framework with a combination of client-side and server-side technologies to develop web applications
- Understand the tier architecture to develop multi-tier applications
- Understand web application management

***Topical Outline***

- Topic 1: Introduction to the .NET platform
- Topic 2: Basic C# Programming
- Topic 3: The structure of ASP.NET application programs
- Topic 4: Client and server-sides programming
- Topic 5: Database linkage
- Topic 6: Site Navigation
- Topic 7: Security
- Topic 8: Management of the web application programs

## COURSE REQUIREMENTS

### *Instructional Methods*

1. Lectures: Important materials from a variety of sources will be covered in class. Students should plan to take careful notes.
2. Labs: Based on lectures, lab exercises will be given to students. Students are required to complete lab exercises, and the discussion is highly encouraged.
3. Assignments: Programming and / or general assignments will be regularly given to students.
4. Quizzes: Occasional announced quizzes will be given to help ensure students keep up with assigned materials.
5. Exams: Two exams will be given, one midterm exam and one final exam. Midterm exam will primarily cover topics from week 1-7, and final exam will be from week 8.

## GRADING

Final grades in this course will be based on the following scale:

% of Total Points	Grade
87% - 100%	A
77% - 86.9 %	B
67% - 76.9%	C
57% - 66.9%	D
Below 57%	F

Category	Percentage
Midterm	30%
Final Exam	30%
Assignments	30%
Quizzes	5%
Attendance	5%

## COURSE SPECIFIC PROCEDURE / POLICY

1. **Assignments:** All assignments **MUST** be turned in by the assigned deadlines. All assignments are due at the time specified. Please keep in mind that no late work will be accepted without penalty. If an assignment is turned in after the due date, **20%** of the grade will be forfeited each day. No assignment will be graded if submitted **5 or more days** after it is due. An assignment must be submitted within 5 days of the due date if you want it graded. All assignments must be placed in the appropriate Dropbox on Canvas.

2. **Examination Makeup Policy:** If a student is absent from an exam during the scheduled time for that exam, the student will automatically receive a grade of 0 for the exam unless:

- a. the student notifies the instructor of the absence before 24 hrs of the exam and supplies a written doctor's excuse or any other official documents explaining the absence, or
- b. there is an extraordinary situation which the instructor allows as an acceptable excuse (instructor needs to be notified before 24 hrs of the exam). If (a) or (b) applies, arrangements for a makeup exam will be made.

It will be the responsibility of the student to show written documentation supporting the absence, from your team coach, physician, or other relevant authority.

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## COLLEGE POLICY

**1. Attendance:** Each student is required to be present at all class lectures and labs. If an unforeseen absence does occur, the student is responsible to get the notes and assignments from another student. If a student has more than 3 absences from class without acceptable reasons, they may be dropped from the class roster.

This 4-credit course will meet for 100 minutes per session twice a week throughout the semester. A minimum of 2-3 hours of student preparation time outside of class is expected for each credit hour. Thus, please be prepared to devote 12-16 hours per week to this course.

**2. Instructor Policy:** Students not regularly attending class or not turning in assignments will be given a grade of “F” at the end of semester if that student has not dropped the class or been dropped by the instructor.

3. In case of an emergency or extenuating circumstances, such as illness, family crisis, contact me or have someone on your behalf contact me immediately; emergencies will be handled on a case-by-case basis. Email is best method for contacting me.

## COVID-19 Guidelines

All members of this course will adhere to the following guidelines:

- Monitor for the symptoms of COVID-19 through daily symptom and temperature checks, following-up with medical attention as necessary and contacting Lang Wellness.
- Maintain appropriate social distancing (6 feet) within the classroom and inside public spaces of buildings.
- Leave class immediately and do not congregate within classrooms or hallways.
- Stay home if ill or after exposure to someone who is ill or has tested positive for COVID-19.
- Wear appropriate mask while in class.
- Work to mitigate the spread of germs on frequently touched surfaces and objects by following instructor guidelines to keep the classroom clean.
- Keep up to date on latest COVID-19 information at <https://www.rockford.edu/portal/departments/marketing-communications/covid-19/>
- Also, for more comprehensive instructions related to COVID-19 please see the following links:
  - <https://www.rockford.edu/wp-content/uploads/2020/08/Rockford-University-Expectations-August-2020.pdf>
  - <https://www.rockford.edu/wp-content/uploads/2020/08/RU-Student-Guidance-on-COVID-19-decision-tree-3-August-2020.pdf>

## HONOR CODE

In this course the policies and procedures concerning the Rockford University Academic Honor Code including definitions of cheating and plagiarism as they appear on the appropriate pages of the current Rockford University Handbook will be Applicable.

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## PLAGIARISM POLICY

**1. Plagiarism:** Plagiarism is to present someone else's ideas or work as your own. Credit (citation) should be given to the source in the following instances: (1) when you directly quote someone else; (2) when you use someone else's ideas or opinions (unless they are common knowledge); (3) when you use someone else's examples; (4) when you cite statistics or other facts compiled by someone else; (5) when you present evidence or testimony taken from someone else's argument (Berke, Jacqueline. *Twenty Questions for the Writer*. 4th Ed. New York: Harcourt, Brace, Jovanovich, 1985).

If a student plagiarizes, that student will receive an "F" for the assignment. A second occurrence of plagiarism will result in expulsion from the course.

**2. Copy:** Copying parts or whole of assignments, quizzes and exams is just as serious as any other type of plagiarism. Any indication of copying, cheating and/or plagiarism on exams/assignments/projects will be an automatic 0 (zero) for all students involved.

## ADA STATEMENT

**Students with Disabilities:** If you believe you are eligible to receive any type of academic accommodation, through such federal laws as the ADA, please contact the Lang Center for Health, Wellness, Counseling and Disabilities Services, 815-226-4083. The Lang staff manages disability services for Rockford University.

## ACADEMIC CONCERN WITH THIS COURSE

A student who questions the justice of a final grade must first seek an explanation from the course instructor. If dissatisfied with the explanation offered, the student may appeal the grade. Additional information regarding grade appeals can be found in the Academic Catalog.

## ELECTRONIC DEVICES POLICY

Electronic devices may be used in the classroom as long as they are being used for academic purposes as approved by instructor and/or are an approved accommodation for a documented disability.

## DISCLAIMER

- Due dates, assignments, etc. are subject to change as directed by your instructor during the course of the semester.
- If you have questions about Computer Science, computer careers, etc. please email Dr. Donghwoon Kwon at [dkwon@rockford.edu](mailto:dkwon@rockford.edu)

## COURSE OUTLINE / CALENDAR

Week	Lectures	Topics
1 (8/19 - 8/23)	Lecture 1	Discuss the course syllabus
2 (8/24 - 8/30)	Lecture 2	Introduction to the .NET framework .NET framework Installation
	<b>Assignment #1:</b> .NET framework and VB installation Due date : By 11:59PM, 09/06/2020	
3 (8/31 - 9/6)	Lecture 3	C# Programming
	Lecture 4	Structure of the application program
	<b>Assignment #2:</b> Cross-page posting Due date: By 11:59PM, 09/13/2020	
4 (9/7 - 9/13)	Lecture 5	Server control
	<b>Assignment #3:</b> Server control coding Due date: By 11:59PM, 09/20/2020	
5 (9/14 - 9/20)	Lecture 6	File management and DB linkage
	<b>Assignment #4:</b> DB installation Due date: By 11:59PM, 09/27/2020	
6 (9/21 - 9/27)	Lecture 6	File management and DB linkage (Cont')
	<b>Assignment #5:</b> DB linkage coding Due date: By 11:59PM, 10/04/2020	
7 (9/28 - 10/4)	<b>Midterm Review</b>	
8 (10/5 - 10/11)	Lecture 7	Themes and <b>Midterm</b>
	<b>Assignment #6:</b> Apply themes Due date: By 11:59PM, 10/18/2020	
9 (10/12-10/18)	Lecture 8	Master pages
	Lecture 9	Site navigation
	<b>Assignment #7:</b> Site map making Due date: By 11:59PM, 10/25/2020	
10 (10/19 - 10/25)	Lecture 10	Security
	<b>Assignment #8:</b> Login control Due date: By 11:59PM, 11/01/2020	
11 (10/26 - 11/1)	Lecture 11	Web Parts
12 (11/2 - 11/8)	Lecture 12	Performance improvement using caching
	<b>Assignment #9:</b> Data caching Due date: By 11:59PM, 11/15/2020	

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13 (11/9-11/15)	Lecture 13	Email
	<b>Assignment #10:</b> Email coding Due date: By 11:59PM, 11/22/2020	
14 (11/16-11/22)	Lecture 14	Applications
15 (11/23-11/29)	<i>Final Exam Review</i> <i>Thanksgiving break, and the last day of the semester</i>	
16 (11/30-12/6)	<i>Final Exam</i>	

Date Prepared: August 10, 2020