CSIT 211-13 - Systems Development & Implementation - CRN 29111

Spring 2025 - Syllabus v0.0

Section Info:

Section 13 - CRN 29111 - *"Guided Study" Online Section*

Course Modality: "Online"

As an online course, there is no lecture. There are slides to look at, and the instructor has created some (lame) YouTube videos.

As an online course, you will work on the labs independently each week. If you get stuck instead of raising your hand you will send an email to the instructor or drop-in to one of the office hours which will be hosted through Zoom. (Links are in Canvas

This Online Section uses a Learning Management System (LMS) called Canvas.

Version

- Version 0.0 - 1/10/2025 - First draft

Book Information

Tilley OR Spurrier

Systems Analysis and Design, Scott Tilley/Harry J. Rosenblatt, Cengage, 11th Edition (or 12th edition)	Systems Analysis & Design, Gary Spurrier, Prospect Press, 2020(1)

Instructor Information:

Name: Stephen T. Brower **Office:** West Building W324
Work # (908) 526-1200 x8259 **preferred email:** stephen.brower@raritanval.edu

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Department Information:

Math and Computer Science Department. Chair: Aditi Patel, Aditi.Patel@raritanval.edu

Canvas:

Canvas is the official source for the latest: Syllabus, Class Schedule, Slides, Demos, Homework Assignments, Lab Assignments, Project Assignments, Exam Information

Spring 2025 Office Hours (1/22-5/6):

- Monday 5:30 - 6:30
- Tuesday 5:00 - 6:30
- Wednesday 5:30 - 6:30
- Thursday 12:00 - 1:00
- and by appointment

Which Email to use and Email Response Time

If you have a question or have an issue submitting an assignment in Canvas, the preferred (fastest) way to contact the instructor is via his preferred email**:** stephen.brower@raritanval.edu

Over the last several semesters, I found the email system embedded in Canvas frustrating. So please email me at: stephen.brower@raritanval.edu

The goal is to respond in less than 24 hours. Please don't expect a response after 10 pm.

Occasionally there are known exceptions such around Spring Break where a response may take a little longer. If the instructor knows ahead of time there will be a period of unavailability longer than 24 hours, that will be communicated to the class.

Course Overview

Prerequisites: CSIT 132 Systems Analysis & Design and a programming language) This course is a continuation of the Systems Analysis and Design course which focuses on the Development and Implementation process for Information Systems. State-of-the-art design techniques are emphasized. Students produce a usable system with input methods, storage in relational database, and queries and reports for output. System implementation, documentation, integration and maintenance methodologies are explored.

General Education Learning Outcomes

At the conclusion of the course, students will be able to:

1. Apply quantitative reasoning to design, develop and implement an information system that solves the problem of a need for a system by an organization (NJ-GE 2)

Course Learning Outcomes

At the conclusion of the course, students will be able to:

1. Discuss the major concepts of systems development and implementation including development and processing considerations, implementation planning and database design
2. Describe the Internet client/server architecture needed to support systems development and implementation
3. Generate relational databases in using appropriate tables, forms and reports
4. Design and develop the tools needed in systems development such as data flow diagrams, data dictionaries, network diagrams, and test plans
5. Create and test a system using the tools developed throughout the course

Course Management, Structure and Pace

When this class meets in a classroom, there are approximately four hours a week for 14 weeks. As an online class, the reviewing of the slides, watching videos, and doing the labs would be the four hours of the week

In addition, students should plan on putting in at least two hours of study time for every hour spent in class for lecture. Additionally, students should plan study time of another half hour for every hour spent in lab. Students who are successful in this class typically spend approximately seven hours *outside of class* each week working on the subject. This includes reviewing class notes, reading and studying the textbooks, doing homework and reviewing demos

Additional Software/Computer Requirements (Microsoft Access):

Unless you plan on working in the open lab on campus, you need to be able to use a computer with Microsoft Access.

Microsoft Access will be accessible via Citrix so this is how you can get to Microsoft Access from home

Course Routine

The "traditional sections" of the course usually consist of 3 possible segments: Lecture, Lab Lecture, and Lab Time

As an online course, there is no Lecture. But there are slides to look at, and the Instructor has created (will create) some (lame) YouTube videos.

As an online course, there is no Lab Lecture. Any extra guidance for the labs will either be embedded in the instructions for the lab or in an accompanying video

As an online course, you will work on the labs independently. If you get stuck instead of raising your hand you will send an email to the instructor or drop-in to one of the office hours which will be hosted through Zoom. (links will be added to Canvas later)

I plan to treat this course like it meets once a week on Wednesday evenings. I will only use Wednesday night each week for due dates for the assignments, except for the last assignment. So, assignments are due on Wednesdays but can be submitted early.

Grade Determinants:

Item	**Percent**
Homework	5%
Systems Development & Implementation Labs	5%
Access Labs	10%
Project	20%
Midterm Exam ***	25%
Final Exam ***	35%

**** In order to pass the course, you will need an overall average of 60 in the course and you will need a 60 or above on the average of the Midterm Exam and the Final Exam.*

Grade	**% Range**
A	89.5-100.0+
B+	86.5-89.4
B	79.5-86.4
C+	76.5-79.4
C	69.5 - 76.4
D	59.5 - 69.4
F	0 - 59.4

Homework

Homework will be just short answer questions.

A long time ago, homework was both short answer questions and problem based questions. Based on the success of what I have done in other classes, last semester, I moved the problem based questions into a new category Systems Development & Implementation Labs and made the homework just short answer questions.

The Homework will be posted in Canvas. Homework must be submitted electronically via Canvas as a document saved as a **.docx** or **.rtf** file.

Once an assignment is due it is closed in Canvas and work cannot be submitted through Canvas. Attaching files to the "comments" is not allowed and those files will be ignored.

See below for the Late Policy(don't be late) and the Cheating Policy (don't cheat)

Systems Development & Implementation Labs

It is envisioned that most of the Systems Development & Implementation Labs will be based on the "theory" of Systems Development & Implementation that is covered from the book.

The Systems Development & Implementation Labs Labs will be posted in Canvas. The format and submission media will vary as some may require "drawing", but they will be submitted via Canvas

Once an assignment is due it is closed in Canvas and work cannot be submitted through Canvas. Attaching files to the "comments" is not allowed and those files will be ignored.

See below for the Late Policy(don't be late) and the Cheating Policy (don't cheat)

Access Labs

Since some of the topics will be on designing databases, reports, and forms, Access will be used for hands-on practice on these topics. There will be individual labs that will focus on aspects of Access.

The Access Labs will be posted in Canvas. Access Labs must be submitted electronically via Canvas; the .accdb database will be attached.

Once an assignment is due it is closed in Canvas and work cannot be submitted through Canvas. Attaching files to the "comments" is not allowed and those files will be ignored.

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Project

The Project is an individual Project. The Project will be in three parts. Part 1 will be the pitch for the idea for the project. Part 2 will be a number of design elements and a database with sample data. Part 3 will be the final database.

The submission medium for the 3 parts will be different, but for the final part, the .accdb database will be attached in Canvas.

Once an assignment is due it is closed in Canvas and work cannot be submitted through Canvas. Attaching files to the "comments" is not allowed and those files will be ignored.

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Exams

Note the Class Schedule for the due dates for the exams.

Exams must be completed by the date due. The exams will be posted at least a week before they are due.

The exams will be completed in Canvas.

Cheating Policy - *Don't cheat!*

Cheating is not allowed on Homework, Sys Dev Labs, Access Labs, Project and Exams. All parties involved in cheating will receive a 0 and will be reported to the dean. Excessive cheating within the class can result in an F for the course. Excessive cheating at RVCC can result in expulsion. Consult your student manual.

Late Policy

Don't submit work late!

According to the RVCC Catalog, students are not to be penalized for 1 week of absences. To accommodate this, at the end of the semester the lowest Homework, the lowest Systems Development & Implementation Labs and the lowest Access Lab will be dropped.

"Due Date" vs "Available Until Date"

The "Due Date" for all assignments for the semester is Wednesday. But the "Available Until Date" for all assignments for the semester is Friday.

It's like a 2 day wiggle room.

"Life Happens"

According to the RVCC Catalog, students are not to be penalized for 1 week of absences. To accommodate this, at the end of the semester the lowest homework, the lowest Systems Development & Implementation Labs and the lowest Access Lab will be dropped. That handles "life happening".

Extra Credit

Some exams/homework/labs/projects contain extra credit questions/opportunities. Other than that, no extra credit opportunities will be provided.

For example, if you choose not to submit ANY homework and then in April you ask for "Extra Credit" to make up for the missed homework, the answer is NO.

Attendance (Presence)

"Presence" for an online course will be based on submission of assignments. If there are three assignments due for a week and one is submitted, that counts as "present"

See "RVCC Student Resources" for official policy.

Student Handbook

You are responsible for all policies stated in the Student Handbook, including Academic Integrity Policy and Code of Student Conduct.

In Canvas, there is a tab on the left "RVCC Student Resources", the Student Handbook and additional policies and information about resources are found there.

Withdrawal Procedure

See school's web page for Spring 2024 Withdrawal and Refund Schedule and Refund (see: https://commons.raritanval.edu/admin/finance/Documents/Spring%202025%20Withdrawal%20and%20Refund%20Schedule.pdf)

(see: https://commons.raritanval.edu/admin/finance/Pages/refund_info.aspx)

Class Schedule

Please see the Class Schedule for the listing of lecture topics and timing of homework / labs / projects / exams

Syllabus Part 2-College Policies

In Canvas, there is a tab on the left “RVCC Student Resources”, additional policies and information about resources are found there

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