



CSCI 290/01 – Event Driven Computing Course Syllabus – Spring 2020

Class Location and Time: Rockford University, Starr Science Center, Room 104D
Tuesday and Thursdays: 11:00 a.m. – 12:50 a.m.

Credit Hours: 4

Class Type: Lecture

Instructor: **Donna Ogle**

Office: Starr 302C

RU Email: DOgle@rockford.edu

Office Phone Number: 815-226-4070 (I prefer email.)

Office Hours and Location: Office hours will be posted on the Canvas course homepage and by Starr 302C.

Required course materials:

Textbook: None

Other Materials: Flash drive

Course Description: The course covers the principles of the event-driven and graphical user interface applications. CSCI 290 coverage includes: object-oriented programming, database management, software components controls, file I/O, user-defined data types, screen forms and screen controls, and modules. PRQ: CSCI 220; CSCI 270 recommended. Scheduled: Yearly. Meets: MNO

Course Objectives:

The objectives of CSCI 290 are to introduce students to a disciplined approach to problem-solving, software design and software development using the object oriented paradigm.

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Topical Outline

Topic 1 (Review and Introduction)

1. Python
2. Classes and OOP
3. GUI Programming

Topic 2: Event Driven Computing

1. User Interface
2. Event Handling
3. Date and Time
4. Object Oriented Programming Concepts
5. Dialogs
6. Layouts
7. Large Documents
8. Database Handling
9. Graphics
10. Advanced Topics

Grading Criteria

Exams (2):	20% of your grade
Final Exam:	10% of your grade
Assignments:	60% of your grade
Attendance:	10% of your grade

Grading Scale:

- A = 90% and above
- B = 80% - 89%
- C = 70% - 79%
- D = 60% - 69%
- F = below 60%

Assignments: If you turn in an assignment (homework, quiz, lab, etc.) after the due date, you will lose 10% of the total possible points each week. That is NOT including additional points that may be deducted due to errors, mistakes, etc. If you have an extenuating circumstance, please let me know.

Exams: If you need to miss an exam, please let me know via email as soon as possible. You will have one week to make up the exam. I cannot allow make up for the final exam. Again, please let me know as soon as possible via email if you have a scheduling issue.

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Course Policies

Attendance and Participation: You are expected to attend every class. As a reward to those who do attend regularly, 10% of your grade (100 points) will be based on attendance and participation. Please contact me in advance if you need to miss a class. All students are excused on Senior Day.

Grading of Attendance and Participation: If there are 25 class meetings in the semester, you will receive 4 points for each day of attendance and 2 points for each day you are late, regardless of how many minutes you are late. If you do not come to class that day or are more than 30 minutes late, you will receive zero points. If the instructor takes roll call and you are not in the room, you are marked absent regardless if you are one minute late or 20 minutes late. Excused absences (email sent to the instructor before class or after class with a good excuse) will also have 2 points taken off. **It is your responsibility to let me know after class if you came in late. I will only take attendance once during class and will not update attendance unless YOU tell me in person why you were late to class.**

Late work/make-up policy: If you turn in an assignment (homework, quiz, lab, etc.) after the due date, you will lose 10% of the total possible points each week. That is NOT including additional points that may be deducted due to errors, mistakes, etc.

Workload Expectations: This 4-credit course will meet for 110 minutes per session two times 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 9-12 hours per week to this course.

Withdrawals: 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. Last Day to withdraw with a "W" – Friday, April 17, 2020 at 5:00 pm.

Rockford University Academic 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.

Cheating and plagiarism: If a student copies another's work, that student and the person who allowed them to cheat will both be given a zero on the assignment. If this happens a second time, the student(s) will be referred to the Dean of Students. I take academic integrity very seriously and will not allow cheating in my classes.

Academic Accommodation: 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.

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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.

The instructor reserves the right to adjust this course syllabus as needed. Revisions to course policies and schedule will be communicated via Canvas.

Weekly Course Schedule

Canvas will have up-to-date assignment information.

Week/Week of	Topics / Outline
1 – Jan 21	Introduction to the class and syllabus Python review
2 – Jan 28	Introduction to OOP – Python
3 – Feb 4	Python GUI Programming (tkinter)
4 – Feb 11	Creating a User Interface
5 – Feb 18	Event Handling
6 – Feb 25	Review Test 1
7 – Mar 3	Date and Time
8 – Mar 10	No Classes - Spring Break
9 – Mar 17	Understanding OOP Concepts
10 – Mar 24	Dialogs
11 – Mar 31	Layouts
12 – Apr 7	Review Test 2
13 – Apr 14	Large Documents, Database Handling
14 – Apr 21	Graphics
15 – Apr 28	Advanced Topics: Animation, Maps
16 – May 5	Advanced Topics
17 – Monday, May 11, 10:15am	Final Exam – Cumulative – TBD

DISCLAIMER: The above information should be considered a guideline for students. Assignments, dates, etc. may change as needed during the semester.