**COMP 3220 Programming Languages SYLLABUS**

**Instructor Information**

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| **Name** | Rodrigo Sardiñas |
| **Office #** | <https://auburn.zoom.us/j/92551015100> |
| **Office hours** | Tue/Thu 5 – 6:30pm |
| **Email** | Rodrigo.Sardinas@auburn.edu |
| **Class (3220-001)** | <https://auburn.zoom.us/j/97924680593> |
| **Class (3220-002)** | <https://auburn.zoom.us/j/94811031814> |
| **Class Time** | TR 2 – 3:15 (Section 2)  TR 3:30 – 4:45 (Section 1) |

**TA Information**

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| **Ye Wang** | [Yzw0069@auburn.edu](mailto:Yzw0069@auburn.edu) |
| **Zeru Zhang** | [Zzz0054@auburn.edu](mailto:Zzz0054@auburn.edu) |
| **Sarp Aykent** | [Sza0112@auburn.edu](mailto:Sza0112@auburn.edu) |

**Required**

1. Concepts of Programming Languages (11th Edition)
   1. ISBN-13: 978-0133943023
   2. ISBN-10: 013394302X

**Course Delivery Mode**

The instructional mode for this course is Online Synchronous. The course will be conducted online in its entirety, and you will not have to be on campus for any part of this course. There will be **required** synchronous online course activities in which you are expected to participate remotely during the scheduled class time.

The following are the synchronous activities of this course:

* Lectures
* Quizzes
* Midterm
* Final

**Course Description**

This course aims to introduce the student to key constructs of programming languages as well as contrast key strengths and weaknesses in different programming languages, past and present. Over the course of the semester, we will be introduced to several programming languages and will demonstrate an understanding of concepts presented in class by writing programs in some of these languages. We will be introduced to the theory behind how programming languages are created and will be introduced to compiler design by studying different approaches to lexical and syntactic analysis.

**Course Objectives**

Upon completion of this course, each student should: be familiar with the history of programming languages and how they were developed; be able to critically evaluate a given programming language to determine whether or not it is suitable for a given task; quickly pick up a new programming language and be able to write a simple program in it; be able to form a basic grammar for a language and parse an example of a program written in that grammar.

**Topics Covered**

* History and Evolution of Major Programming languages
* Syntax and Semantics
* Lexical and Syntax Analysis
* Names, Bindings, Type Checking, and Scope
* Data Types
* Expressions and Assignment Statements
* Statement-Level Control Structures
* Subprograms
* Object-Oriented Programming
* Concurrency
* Exception and Event Handling
* Functional Programming Languages
* Logic Programming Languages

**Communication**

**Contact Instructor or TA**

Office hours are listed in this document. Please email the instructor if you need to arrange an appointment outside of office hours.

When emailing the instructor OR TA about grades you must include what exactly you think is not graded correctly, and why you think it is not graded correctly. You must be specific. Blanket statements such as “I don’t think my grade is correct” will not receive a response.

**Example**:

**Good email:**

I feel that I should not have lost points for the rubric item labeled X. According to the rubric, I was supposed to do xyz, and if you go to line# in this file, you will see that I did what I was instructed to do.

**Email that would not receive a response:**

Professor, I don’t think I got the correct grade for my assignment.

When emailing the instructor OR your TA, you must include the following information in the subject of the email:

Course#

Assignment#/Exam#

**Failure to include this information could lead to your email not being processed or answered.**

The TA should be your first point of contact if you have questions about assignments. If you have questions about a grade you received on an assignment, you should contact the TA that graded your assignment first. You will know who this is because they will leave comments indicating where the errors were in your assignment.

**Communication from Instructor**

All announcements will be posted on the Canvas Announcement page. Any email correspondence will always be through official auburn email addresses only.

All assignments will be posted on the assignments page in Canvas.

You are responsible for all information presented in class, sent via announcements/emails, and posted on Canvas.

**Syllabus Modification**

The syllabus is subject to revision. The last modified date is always listed in the footer. A notification will be made in canvas and an announcement will be made during a lecture if the syllabus is modified.

**Attendance**

**If you are absent, it is your responsibility to obtain any missed notes or information about assignments from another student**.

Please see the following link for a list of officially excused absences and more information on attendance in general, per Auburn University’s policies: <https://sites.auburn.edu/admin/universitypolicies/Policies/PolicyonClassAttendance.pdf>

**If you are absent on the date that an exam is given, you will be given a grade of 0 for that exam unless it is an official and excused absence. There will be no makeup for this grade.**

**Communication Devices and Electronics**

Communication devices (phones) should be turned off and set to silent before entering the classroom or a lab. No electronic devices are allowed during exams (phones, laptops, tablets, etc…).

**Grading Policies**

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| --- | --- | --- |
| Pop-Quiz | 10% | Grading Scale  A 90 – 100%  B 80 – 89%  C 70 – 79%  D 60 – 69%  F <60% |
| Assignments | 40% |
| Mid-term | 25% |
| Final | 25% |

**Pop-Quiz**

You will be given between 5 and 10 pop-quizzes at the beginning of class periods on certain days during the semester. Quizzes will be available until midnight the day that they are given. There is **NO MAKEUP** for a missed pop-quiz for any reason. If you are absent on a day that a quiz is given, you will receive a 0. I will drop the lowest 2 quiz scores that you have.

**Assignments**

Assignments consist of exercises from the book chapters and/or programming exercises in a given language.

All assignments in this course are to be done individually. There are no group assignments in this course. The work submitted must be your own.

**Mid-term**

Comprehensive. Short-answer, multiple-choice. Material will cover ONLY material from the book.

**Final**

Same as midterm. Comprehensive.

**Discussing Grades**

Grades will be recorded on Canvas in a timely manner. Check your grades on Canvas “Grades” page. See the comments section for grader comments. It is your responsibility to contact your teaching assistant with questions about your assignment grades or the instructor about an exam grade.

You have SEVEN (7) DAYS AFTER an ASSIGNMENT or a TEST GRADE is POSTED to question the grade. After that time, the grade will stay as it is. There are no exceptions.

**Late Assignments and Missed Exams**

Each day an **assignment** is late, 10% will be deducted from the final grade, with a 0 being given after the third day.

Any missed exams, in the absence of approved documentation will be given a zero score.

**Plagiarism and Cheating**

**Always document all sources of help for assignments**, including help from other students. Any form of plagiarism will be reported to the Office of the Provost, per Auburn University’s Academic Honesty policy and met with a grade of 0 on the first occurrence. Any subsequent occurrences will result in a failing grade for the course.

If a student is caught cheating, the incident will be reported to the Office of the Provost, per Auburn University’s Academic Honesty Policy, and the assignment/exam will be given a grade of 0. Any subsequent offence will result in a failing grade for the course.

Please see the following link for more on Auburn’s Academic Dishonesty Policy:

<https://sites.auburn.edu/admin/universitypolicies/Policies/AcademicHonestyCode.pdf>

**Software and Assignments**

All the software needed for this course should be available in any of the labs in Shelby. Should you choose to work on assignments on your own machines, you may have to install various compilers/applications that will be described per assignment.

**Special Accommodations**

Students who need accommodations are asked to arrange a meeting with your instructor as soon as possible. If you have a conflict with my office hours, an alternate time can be arranged. To set up this meeting, please contact me by email. If you do not have an Accommodation Memo but need accommodations, make an appointment with The Program for Students with Disabilities, 1244 Haley Center, 844-2096 (V/TDD).

Please see the following link for more information on accommodations:

<https://sites.auburn.edu/admin/universitypolicies/Policies/ADAAccommodationsPolicy.pdf>