PRINCIPLES OF COMPUTER SCIENCE II

CSC1302 (M and W, 17:30-18:45) | Aderhold Learning Center | Room 24

- Class is on Monday, Wednesday 05:30 PM - 06:45 PM at Aderhold Learning Center | Room 24
- Lab sessions are at according to your chosen Sections/CRN in PAWS will be taken by respective Lab Instructors:

Babitha Devireddy	14972-Sec018;	Fri	09:00 AM - 10:40 AM	Classroom South 400
Ishu Goyal	14971-Sec020;	Wed	03:00 PM - 04:40 PM	Langdale Hall 417
Babitha Devireddy	14973-Sec022;	Fri	11:00 AM - 12:40 PM	Classroom South 400
Ram Sapkota	14974-Sec024;	Wed	01:00 PM - 02:40 PM	Classroom South 400
Ram Sapkota	14975-Sec026;	Wed	03:00 PM - 04:40 PM	Classroom South 400
Luis Alberto Robles Hernandez	14976-Sec028;	Fri	01:00 PM - 02:40 PM	Classroom South 400
Luis Alberto Robles Hernandez	14978-Sec030;	Fri	03:00 PM - 04:40 PM	Classroom South 400
Ishu Goyal	14977-Sec032;	Mon	03:00 PM - 04:40 PM	Classroom South 400

Lab Instructor	**Office Hours**	**Email**
Ishu Goyal	Tue 2.45 PM - 3.45 PM	igoyal1@student.gsu.edu
Ram Sapkota	Th 9:30 -10:30 AM **1 Park Place 6th Floor Suite 613**	rsapkota1@student.gsu.edu
Babitha Devireddy	Mon 12:30-1:30 PM	bdevireddy1@student.gsu.edu
Luis Alberto Robles Hernandez	Fri 12:30 – 1:30 PM	lrobleshernandez1@student.gsu.edu

Lab instructors are assigned to your class to grade and help with understanding Labs/Quiz. Also, they can answer general questions about course topics. Office hours for lab work is mentioned above.

Course Description

Welcome to **CSC1302: Principles of Computer Science II**. We're going to have a great time this Spring as we continue to explore object-oriented programming with Java together. My name is Prakash Chourasia and I'll be your instructor. You can address me as Professor. This course gives you final parts of the foundation to understanding and learning the fundamentals of object-oriented programming in computer science. Please note, this syllabus reflects a plan for the semester and deviations may become necessary as the semester progresses. The university is requiring each course to use a seating chart, and this must be followed due to COVID-19 infection contact tracing, should you or your classmate become infected with COVID-19 or a variant.

Assessments (exam & homework)

I've designed a variety of assessments to help you practice your disciplinary thinking and skills in Java programming. Your tests will be proctored, face-to-face in this classroom setting. I will be using a seating chart established in the first week of this course. This must be followed due to COVID contact tracing, should you your classmate become infected with the COVID-19 virus or its variants.

Event	Course Grade Weight
Exam - I	15%
Exam - II	15%
Final Exam	20%
Homework (5-6 HW)	15%
Labs	30%
Quiz in the Lab (5 Random Day)	5%

Late Submission Policies (Homework and Labs: non-negotiable)

- 10% for first 0-12 hrs, 15% for 12-24 hrs., 25% for 24-48 hrs.
- Submissions made more than 48 hrs of due date will not be accepted.
- Contact Respective Lab Instructors for any issues with submissions.

COURSE HELP

How to Establish Contact?

- **For all the concerns regarding HomeWorks/Exams grades/excused absent/make-up exams contact TA for respective sections–**

14972-Sec018; 14971-Sec020; 14973-Sec022; 14974-Sec024;	Mon 12:30 PM - 2:30 PM Wed 12:30 PM - 2:30 PM	**Gaayathri Vaidhyanathan Pazhambalacode** gpazhambalacode1@student.gsu.edu

14975-Sec026; 14976-Sec028; 14978-Sec030; 14977-Sec032;	Mon 3:00 PM - 5:00 PM Wed 3:00 PM - 5:00 PM	**Sumanth Pinninti** spinninti1@student.gsu.edu

Can contact me if Lab Instructor/TA is not able to solve your queries.

- **GSU Email: pchourasia1@gsu.edu (Do NOT use iCollege email.)**
- Office location: **1 Park Place, Suite 626, 6th Floor**
- My office hours are Monday and Wednesday at 16:15 to 17:15. If this time does not work, please make an appointment with me at least 48 hours in advance, so our schedules can be adjusted to meet.

SCHEDULE

We do have a set schedule and please note that deviations may be necessary as the semester progresses and possible changes in school occurs. You'll want to refer to the table below frequently as we work together. I have also designed the iCollege course in such a way to help us all stay on track, including a **weekly introduction, due dates attached to grade items, reading assignments, homework assignments, and calendar events**. Since this is a 4-Credit Hour course GSU recommends that you spend around **4 hours or more per week** interacting with readings, videos, and other sorts of content and **then 4 hours per credit hour per week** completing activities, labs, and assessments. If you ONLY program in class and labs, that is NOT sufficient to learn the materials for higher marks in a point/graded event.

Please talk to me and your advisor before withdrawing from this course. We care about your success and are here to discuss your options with you. The last day to withdraw without penalty is March 01, 2022.

	Monday	**Wednesday**	
Jan 10, 12	Welcome to the Course, seating chart, syllabus, lab introduction, Instructor assistants	Review of datatypes, loops, methods, classes, objects	Nothing due.
Jan 17, 19	NO CLASS, NO LABS	Chapter 9	Release - Homework 1
Jan 24, 26	Chapter 9	Chapter 10	
Jan 31, Feb 2	Chapter 10	Chapter 11	Release - Homework 2
Feb 7, 9	Chapter 11	Chapter 12	
Feb 14, 16	Chapter 12	Exam1 [chapters 9-12]	

Feb 21, 23	Review Exam1, Chapter 13	Chapter 13	Release – Homework 3
Feb 28, Mar 2	Chapter 13	Chapter 13	
Mar 7, 9	Chapter14	Chapter 14	Release – Homework 4
Mar 14, 16	SPRING BREAK! NO CLASS	SPRING BREAK! NO CLASS	N/A
Mar 21, 23	Chapter 14	Chapter14	
Mar 28, 30	Chapter 14	Chapter14	
Apr 4, 6	Recursion	Recursion	Release – Homework 5
Apr 11, 13	Prepare for Exam 2	Exam2 [chapters 13,14, Recursion]	
Apr 18, 20	Review Exam2, Advance Concepts	Advance Concepts	
Apr 25, 27	Advance Concepts	FINAL EXAM: earlier time – 13:30	FINAL EXAM: Wednesday, April 27th, 1:30pm

How to Access the Course?

You can login to your course via iCollege. If you need more help, you can review the Welcome to iCollege help-guide. If you have problems accessing your course, please contact the helpdesk: helpdesk@gsu.edu.

What Are the Required Materials?

The following resources are required for this course:

- *Java Programming, Ninth Edition*, Joyce Farrell, ISBN-13: 978-1-337-39707-0 E-book or PDF is ok to use. You will need this book for assignments and exam preparation.
- You will need a computer that can build your java programs; Chromebook does not support a local installed IDE. This will allow you to save your labs into iCollege Assessments for grading. It should be capable to run the Java 9 (or higher) compiler, runtime environment, and Eclipse/STS.
- Additionally, your computer should run the IDE: Spring Tool Suite/Eclipse. (Or you can ask Lab Instructors recommendation for IDE)

Course Outcomes

After finishing this course, you should be able to:

- Compare and contrast abstract data types versus objects.
- Demonstrate an understanding of polymorphism and inheritance for objects.
- Determine output from a segment of code, which uses a recursive subprogram.
- Create and handle program exceptions properly, considering the context of the exception.
- Compare and contrast static and dynamic data structures.
- Choose and manipulate computer files, streams, and buffers.
- Create a basic graphical user interface (GUI) for a program.
- Understand the basics of multi-threading and parallelism in Java programming.

Your new skills should help you in the following ways:

- Prepare you for Data Structures (CSc2720).
- Give you the tools to deconstruct complex, abstract problems using algorithms and logic.

COURSE POLICIES

Sharing Instructor Created Materials

University policy prohibits students from posting instructor-generated materials on external sites. The selling, sharing, publishing, presenting, or distributing of instructor-prepared course lecture notes, videos, audio recordings, or any other instructor-produced materials from any course for any commercial purpose is strictly prohibited unless explicit written permission is granted in advance by the course instructor. This includes posting any materials on websites such as Chegg, Course Hero, OneClass, Stuvia, StuDocu, YouTube, and other similar sites. Unauthorized sale or commercial distribution of such material is a violation of the instructor's intellectual property and the privacy rights of students attending the class and is prohibited.

Attendance and Participation Policy

Course participation is beneficial to your success. This course has **28** required meetings on Mondays **and Wednesdays at 17:30** in the **Aderhold learning center, Room 25**. Your labs are also required to be face-to-face in your chosen time and location. You are encouraged to wear a face

covering in all class/lab meetings. Be aware that wearing face mask is not required by GSU, so there is no penalty if you choose to not wear a mask. Our university community has a strong tradition of upholding the value of mutual respect, I therefore ask students to not engage in behavior that would be disruptive if your fellow students make a different choice about wearing masks. If you have concerns, please them with me and your Lab Instructor and we will work to the best of our ability to provide a comfortable environment conducive to student learning. COVID mask restriction information can be found here: https://covidinfo.gsu.edu/vaccine.

A well-developed attendance policy will be especially helpful this year and you are expected to attend class if you do not have an excused absence because of illness. University has a process for students seeking excused absences through the Dean of Students Office. Students submit documentation to: https://deanofstudents.gsu.edu/student-assistance/professor-absence-notification/ . I will be notified by the Dean of Students of any excused absence without the need to manage medical information individually. The **course attendance** will be utilizing a tool built by the CS department. Here is the link: https://technology.gsu.edu/technology-services/it-services/security/virtual-private-network/ when you are using an 'off-campus' wi-fi network. If you are using the GSU Wi-fi, no need for the Cisco VPN. The attendance/seating-chart system is found here: https://ousp.cs.gsu.edu/seat/ You are expected to utilize the system each time you come into the classroom. It records the date/time and location for each record, so be aware of connecting from home if you are a face-2-face student.

Make-up Policy

- Make-up exams are not allowed for any reasons other than excused absences from the Dean of Students. This is not negotiable.
- Make-up lab assignments are not allowed for any reasons other than excused absences from the Dean of Students. Labs are designed to be completed within the timeframe of your chosen section and being present with your lab instructor is very important to effective learning. This is not negotiable.
- Make-up homework assignments are not allowed for any reason(s). The homework assignments are specifically timed to coincide with the course content and pedagogy delivery. This paring is by design to aid in your learning of the course topics. Solutions are posted in iCollege immediately after the 'due' date/time so you may benefit from the correct answers. This is not negotiable.

Basic Needs Statement

Any student who faces challenges securing their food or housing and believes this may affect their performance in the course is urged to contact the Dean of Students for support. Furthermore, please notify the professor if you are comfortable in doing so. This will enable us to provide resources that we may possess. The Embark program at GSU provides resources for students facing homelessness.

Course Evaluation and Evolution

Your constructive assessment of this course plays an indispensable role in shaping education at Georgia State. Upon completing the course, please take time to fill out the online course evaluation.

Academic Honesty

All parties involved in cheating and/or plagiarism will be given a zero on the specified assignment or event for the first offense. By all parties, I mean the person(s) who used someone else's work and the person whose work was used. A second offense of cheating and/or plagiarism will result in a grade of F for the course and possible expulsion from university.

Academic Honesty Policy: https://deanofstudents.gsu.edu/files/2019/07/Academic-Honesty-Policy.pdf

Accommodation

Students who wish to request accommodation may do so by registering with the Office of Access and Accommodation. Students may only be accommodated upon issuance by a signed Accommodation Plan and are responsible for providing a copy of that plan to me and Lab instructors in which accommodations are sought. Students with special needs should then make an appointment with me during the first week of class to discuss any accommodations that need to be made. https://access.gsu.edu/

FERPA

In keeping with University System of Georgia and GSU policy, this course website will make every effort to maintain the privacy and accuracy of your personal information. Specifically, unless otherwise noted, it will not actively share personal information gathered from the site with anyone except university employees whose responsibilities require access to said records. However, some information collected from the site may be subject to the Georgia Open Records Act. This means that while we do not actively share information, in some cases we may be compelled by law to release information gathered from the site. Also, the site will be managed in compliance with the Family Educational Rights and Privacy Act (FERPA), which prohibits the release of education records without student permission.

Sexual Harassment

In instances of sexual misconduct, the present instructor(s) and teaching assistants, are designated as Responsible Employees who are required to share with administrative officials all reports of sexual misconduct for university review. If you wish to disclose an incident of sexual misconduct confidentially, there are options on campus for you do so. For more information on this policy, please refer to the Sexual Misconduct Policy which is included in the GSU Student Code of Conduct.

Campus Carry

The Campus Carry legislation allows anyone properly licensed in the state of Georgia to carry a handgun in a concealed manner on university property with noted exceptions. Information about the law can be found at safety.gsu.edu/campus-carry. It is the responsibility of the license holder to know the law. Failure to do so may result in a misdemeanor charge and may violate the Georgia State Student Code of Conduct. Please follow the guidelines established by the Board of Regents.