



# KENNESAW STATE UNIVERSITY

COLLEGE OF COMPUTING AND  
SOFTWARE ENGINEERING

*Software Engineering and Game Development*

## CSE 1321/W03 – Programming and Problem Solving I Fall 2023

### SYLLABUS

#### COURSE DESCRIPTION, CREDIT HOURS, AND PREREQUISITES

##### **CSE 1321: Programming and Problem Solving I**

**3 Class Hours 0 Laboratory Hours 3 Credit Hours**

**(Concurrent Prerequisites: CSE 1321L and (MATH 1112 or MATH 1113 or MATH 1190 or CSE 1300))**

This course provides an introduction to computing with a focus on programming. Instruction centers on an overview of programming, problem-solving, and algorithm development. Particular topics include object-oriented design/programming, primitive data types, arithmetic and logical operators, selection and repetition structures, interactive user input, exception handling, using and designing basic classes, single-dimensional data structures with searching and sorting, and arrays. Programming assignments focus on techniques of good programming style including proper documentation. The student is taught to efficiently design, code, and debug problem solutions and the relationship between correct code and security.

#### COURSE LEARNING OUTCOMES

At the end of the course students will be able to:

1. Accurately demonstrate use of primitive data types and arithmetic expressions in programs.
2. Apply basic programming structures in algorithmic solutions, including logical expressions, selection, and repetition
3. Solve programming problems that include 1D and 2D array creation, handling, searching, and sorting.
4. Read and interpret simple programs written in multiple programming languages and understand what these programs do.
5. Define methods and classes in programs solutions.

#### FACULTY AND SECTION INFORMATION

Douglas Malcolm

Senior Lecturer of Computing

Douglas.Malcolm@kennesaw.edu

J-353D (Atrium Building)

470.578.5618 FYE Office Phone

**Class Location and Meeting Times:** Asynchronous Online – no set meeting days or times.

**Course Communication and Office Hours:** Email me (Douglas.Malcolm@kennesaw.edu), please make sure to use your KSU Student Email to contact me and to include which course and section you are enrolled in with me.

I do not like using the D2L Messages as it is harder to send attachments and links (when necessary) through those messages and response time is delayed as I may not see the message in D2L as quickly as an Email via Outlook or Office 365.

Office Hours are by appointment and virtual due to being on both campuses:

Please email me at [Douglas.Malcolm@kennesaw.edu](mailto:Douglas.Malcolm@kennesaw.edu) using your KSU Student Email. Make sure to include the course name and section along with several days and times that you are available to meet so that I can pick a time and send a Teams invitation.

I am also willing to meet before or after class with my in-person students.

**Electronic Communications** - “The University provides all KSU students with an ‘official’ email account with the address ‘netid@students.kennesaw.edu.’ As a result of federal laws protecting educational information and other data, **this is the sole email account you should use to communicate with your instructor or other University officials.**” The instructor only guarantees replies to emails received from your Kennesaw email account (netid@students.kennesaw.edu). Emails sent from other email domains may not reach the instructor's mailbox. In order to ensure receipt/responses to your email be sure that you communicate with the instructor via your Kennesaw Student email account and include the course number in the subject.

**Required Texts or Other Resources – No textbook purchase is required. Textbook resources provided on FYE Website are:**

- 1) Programming Fundamentals: A Modular Structured Approach 2<sup>nd</sup> Edition
- 2) Programming Fundamentals using C#
- 3) Think C++
- 4) Think Java

## **COURSE CONTENT AND REQUIREMENTS/GRADING SCALE**

**Course Topics and Schedule (including all exams):**

See [CSE 1321: Programming and Problem Solving I Lecture schedule](#) posted on the [FYE](#) website.

**Grading Scale and Course Policies**

The instructor will make every effort to have assignments graded within one week. Assignments will be graded for correctness and completeness, as per the grading rubrics. Copies of your class work and tests will be kept for our records.

**No individual extra credit work will be given to improve one’s grade.**

Lowest quiz grade will be dropped when calculating the quiz average.

**Grading Scale:**

- A: Grade  $\geq 89.5$
- B:  $89.5 > \text{Grade} \geq 79.5$
- C:  $79.5 > \text{Grade} \geq 69.5$
- D:  $69.5 > \text{Grade} \geq 59.5$
- F: Grade  $< 59.5$

Assignment	Points, percentage or measurement
Quizzes (in D2L)	25%
Test 1	25%
Test 2	25%
Comprehensive Final Exam	25%

## ACCOMMODATIONS AND STUDENT DISABILITY SERVICES

Students who are entitled to accommodations through Student Disability Services must submit their Faculty Notification Letter in D2L (from the Course Home Page > Assignments > SDS Faculty Notification Letters) and then email the instructor or come to office hours to ensure your accommodation is setup appropriately.

### Course Policies:

**Attendance Policy:** Posted on FYE Website under [Policies](#).

**Quiz/Exam Policy:** Posted on FYE Website under [Policies](#).

**Make-up Assessment Policy:** Posted on FYE Website under [Policies](#).

**Proctored Exams:** Posted on FYE Website under [Policies](#). Webcam is required for ALL sections of CSE 1321

**Course Technology:** Computer with Webcam (required for all sections) and programming IDE (links provided on our website)

**Electronic Devices and Classroom Behavior Policy:** Posted on FYE Website under [Policies](#).

### **Tutoring:**

The College of Computing and Software Engineering offers some tutoring services for certain courses. If this applies to your course, you may want to include this resource for your students. Tutoring info can be found here:

<http://ccse.kennesaw.edu/ccselabs/ccse-tutoring.php>

Pseudocode Reference Guide for CSE 1321: <https://ccse.kennesaw.edu/fye/pseudocode/pseudocodeguide.php>

Other programming resources (examples, problems, videos, etc.) available [on FYE website under Resources](#).

FYE Submission Guidelines: <https://ccse.kennesaw.edu/fye/submissionguidelines.php>

### First Year Experience:

Kennesaw State University is committed to your success. To ensure that you take full advantage of your educational opportunities, the College of Computing and Software Engineering is implementing First Year Experience (FYE) Program and this course is part of this program. In some cases, you will be contacted by FYE team member as a follow-up on the instructor's referral and to offer you the guidance and support you need. There are many ways for you to reach your academic and personal goals. We'll show you how.

As part of process improvement, student data will be analyzed and reported in aggregate, de-identified form, as part of IRB-approved Study 19-157: How Student Success in the First-Year courses affects RPG rates.

<https://ccse.kennesaw.edu/fye/>

### **Federal, State, KSU and BOR Policy Requirements Statements**

- **Copyright Law:** It is the responsibility KSU faculty and students to respect the rights of copyright holders and complying with copyright law. For more details, see <https://cia.kennesaw.edu/instructional-resources/syllabus-policy.php>
- **Grade Appeals and Student Complaints:** A student's rights to grade appeals are defined in the University catalogs. Each faculty member must specify the grading policy in the syllabus at the beginning of the course. The

faculty member may change the grading policy for cause after that time but must do so uniformly with ample notification to students. Students can find more details regarding the appeal process here:

<http://catalog.kennesaw.edu/>

- **Inclement Weather Policy:** During the course of the year, Kennesaw State University may decide to close campus or operate on a delayed schedule in cases of inclement weather. For more details, see <https://cia.kennesaw.edu/instructional-resources/syllabus-policy.php>
- **KSU Academic Integrity Statement:** Every KSU student is responsible for upholding the provisions of the [Student Code of Conduct](#), as published in the Undergraduate and Graduate Catalogs. Section 5c of the Student Code of Conduct addresses the university's policy on academic honesty, including provisions regarding plagiarism and cheating, unauthorized access to university materials, misrepresentation/falsification of university records or academic work, malicious removal, retention, or destruction of library materials, malicious/intentional misuse of computer facilities and/or services, and misuse of student identification cards. Incidents of alleged academic misconduct will be handled through the established procedures of the Department of Student Conduct and Academic Integrity (SCAI), which includes either an "informal" resolution by a faculty member, resulting in a grade adjustment, or a formal hearing procedure, which may subject a student to the Code of Conduct's minimum one semester suspension requirement.
- **KSU Course Withdrawal Policy:** Students may withdraw from one or more courses any time before the last week of the semester. For more details, see <https://cia.kennesaw.edu/instructional-resources/syllabus-policy.php>
- **KSU Disruption of Campus Life Policy:** All students are responsible for knowing the information, policies and procedures outlined in the Kennesaw State University Codes of Conduct . For more details, see <https://cia.kennesaw.edu/instructional-resources/syllabus-policy.php>
- **KSU Enrollment Management/Course Attendance Policy:** Students are solely responsible for managing their enrollment status in a class; nonattendance does not constitute a withdrawal.
- **KSU Military Withdrawals Policy:** Kennesaw State students who are called to active duty or who are deployed during the term may be eligible for a military withdrawal. For more details, see <https://cia.kennesaw.edu/instructional-resources/syllabus-policy.php>
- **KSU Reasonable Accommodations Policy:** Students with qualifying disabilities under the Americans with Disabilities Act (ADA) and/or Section 504 of the Rehabilitation Act who require "reasonable accommodation(s)" to complete the course may request those from Office of Student Disability Services. For more details, see <https://cia.kennesaw.edu/instructional-resources/syllabus-policy.php>
- **KSU Sexual Misconduct Policy:** KSU does not condone and will not tolerate sexual misconduct or sexually exploitative or harassing behavior of any kind. For more details, see [https://curriculum.kennesaw.edu/resources/federal\\_bor\\_ksu\\_student\\_policies.php](https://curriculum.kennesaw.edu/resources/federal_bor_ksu_student_policies.php)
- **KSU Web Accessibility Policy Statement:** For more details, see <https://cia.kennesaw.edu/instructional-resources/syllabus-policy.php>
- **Netiquette: Communication Courtesy:** All members of the class are expected to follow [rules of common courtesy in all email messages](#), threaded discussions and chats.
- **Protecting Students' Privacy (FERPA):** Students have certain rights to privacy. These rights are mandated by federal policy. For more details, see <https://cia.kennesaw.edu/instructional-resources/syllabus-policy.php>

## **ADDITIONAL STUDENT RESOURCES**

<https://cia.kennesaw.edu/instructional-resources/syllabus-resources.php>

**Graduate Teaching Assistants (Lab Instructors)** – Office is J-352, see [office hours](#) posted on our website.

**CCSE Tutoring and Open Lab** – Room J-263, [see hours posted on their site](#).

For CCSE Student resources:

<http://ccse.kennesaw.edu/student-resources.php>

KSU Service Desk:

The KSU Service Desk is your portal to getting assistance or access to University IT Services. Students call: 470-578-3555 or email [studenthelpdesk@kennesaw.edu](mailto:studenthelpdesk@kennesaw.edu)

For Academic Advising information and to schedule appointments:

<http://ccse.kennesaw.edu/advising/index.php>

Links to frequently used and helpful services:

<http://www.kennesaw.edu/myksu/>

Department of Career Planning & Development

<https://careers.kennesaw.edu>

Counseling and Psychological Services

<https://counseling.kennesaw.edu>

Center for Health Promotion and Wellness

<https://wellness.kennesaw.edu>

Student Health Services

<https://studenthealth.kennesaw.edu>

## **COVID-19 Syllabi Statements**

### **Course Delivery**

KSU may shift the method of course delivery at any time during the semester in compliance with University System of Georgia health and safety guidelines. In this case, alternate teaching modalities that may be adopted include hyflex, hybrid, synchronous online, or asynchronous online instruction.

### **COVID-19 illness**

If you are feeling ill, please stay home and contact your health professional. In addition, please email your instructor to say you are missing class due to illness. Signs of COVID-19 illness include, but are not limited to, the following:

- Cough
- Fever of 100.4 or higher
- Runny nose or new sinus congestion
- Shortness of breath or difficulty breathing
- Chills
- Sore Throat
- New loss of taste and/or smell

COVID-19 vaccines are a critical tool in “Protecting the Nest.” If you have not already, you are strongly encouraged to get vaccinated immediately to advance the health and safety of our campus community. As an enrolled KSU student, you are eligible to receive the vaccine on campus. Please call (470) 578-6644 to schedule your vaccination appointment or you may walk into one of our student health clinics.

For more information regarding COVID-19 (including testing, vaccines, extended illness procedures and accommodations), see KSU’s official [Covid-19 website](#).

### **Face Coverings**

Based on guidance from the University System of Georgia (USG), all vaccinated and unvaccinated individuals are encouraged to wear a face covering while inside campus facilities. Unvaccinated individuals are also strongly encouraged to continue to socially distance while inside campus facilities, when possible.

### How to Succeed in this Class

Here are things you can do that will greatly improve your chances of making a satisfactory grade in this class:

- Read the syllabus: You should read every word in the syllabus during the first week of classes.
- Complete the assigned Readings and Viewings for each Module before class.
- Allow enough time: More unsatisfactory grades are due to procrastination than any other cause. Do not assume that you can complete the assigned work thirty minutes before the due date and time; you cannot.
- Verify that your submission to D2L/Gradescope was the correct file before the deadline. It is your responsibility to ensure that the correct file was uploaded to the correct location. I cannot accept late submissions per FYE Policy, and I do not accept submissions via email.

### What should we expect from each other?

The first and most important thing that we should expect from each other is respect and this should be shown in all the interactions.

### Moreover, on my side:

- I will make sure to reply to your email within 24 hours Monday through Friday (9am to 5pm EST, I may not respond to emails sent during weekends or holidays).
- I am always open to hear your feedback about the course and I will do my best to address or incorporate your comments in the course.
- I will be available for individual or group consultation.
- We will keep the schedule updated and available on our website.
- We will return your assignments and deliverables graded within 14 days from the deadline.

### On your side, I am expecting:

- You come to class on time and actively participate in the lectures and activities.
- You talk to me if you have problems, doubts, or suggestions related to any component of the course.
- You work with effort and integrity on the assigned activities, homework, deliverables, and tests.
- Not to sleep, work on assignments for other classes or read/view unrelated materials in my class during lectures or live sessions. You will be asked to leave the classroom if you are caught doing any of these things.
- You to catch up on any missed class sessions by getting notes from a classmate, reading the lecture slides, and watching the lecture videos.