KENNESAW STATE UNIVERSITY
COLLEGE OF COMPUTING AND SOFTWARE ENGINEERING
Software Engineering and Game Development

CSE 1322/01 – Programming and Problem Solving II
Spring 2022

SYLLABUS

Course Description, Credit Hours, and Prerequisites

CSE 1322: Programming and Problem Solving II **(3 Credit Hours)**
The second course in computing provides coverage of advanced topics in programming. This includes the use of inheritance and polymorphism, abstract classes and interfaces, file input/output, exception handling, recursion, and parameterized types. Linear data structures (lists, stacks, and queues) are introduced to solve a variety of problems. Concepts related to the design of programs using Graphical User Interfaces (GUIs), event-driven programming, and threaded and parallel programming, are also introduced. Students will use good programming style including proper documentation.

Prerequisites:
EXXX Y or (Undergraduate Semester level CSE 1321 Minimum Grade of B and Undergraduate Semester level CSE 1321L Minimum Grade of B and (Undergraduate Semester level CSE 1322L Minimum Grade of C and (Undergraduate Semester level MATH 1113 Minimum Grade of C or Undergraduate Semester level MATH 1190 Minimum Grade of C or Undergraduate Semester level MATH 2202 Minimum Grade of C)))

Course Learning Outcomes

At the end of the course students will be able to:
1. Demonstrate more advanced skills in programming, including the ability to handle multi-dimensional arrays
2. Demonstrate file handling techniques and exception code.
3. Recognize the difference between iterative and recursive approaches.
4. Demonstrate the ability to use linked lists, stacks, and queues in problem solving.
5. Compare "program driven" and "event-driven" approaches to user interaction, including the relationship between event-driven programs and Graphical User Interfaces
6. Discuss principles of concurrency and parallelism

Faculty and Section Information

Douglas Malcolm
Lecturer of Computing
Douglas.Malcolm@kennesaw.edu
J-353D (Atrium Building)
470.578.5618 FYE Office Phone

Office Hours for Spring 2022:
Monday, Wednesday & Fridays from 10:30am to 11:30am in J-353D (in-person)
Tuesdays & Thursdays from 10am to 11am in Microsoft Teams (virtual)

Class Location and Meeting Times: Mondays, Wednesdays & Fridays from 12:20pm to 1:10pm in Q-202

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.

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. Java, Java, Java from Trinity College
2. Fundamentals of Computer Programing with C#

How to Succeed in this Class
Here are three 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.
· **Read the textbook:** You will get a lot more out of this class, and so be able to give back more on the assignments, assessments, and examination, if you read the assigned parts of the textbooks before the material is first due to be discussed. In my experience, students who don't complete the reading before it is discussed either never complete it or try to cram it all in just before the exam. That doesn't work.
· **Allow enough time:** More unsatisfactory grades are due to procrastination than any other cause. Do not assume that you can complete the assigned work in the thirty minutes before the due date and time; you

cannot.

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 5pm EST on Friday (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.
· I will use the lecture slides from the CCSE website alongside in class examples and old test questions to present the material
· 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 to come to class on time and actively participate to 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.

Course Content and Requirements/Grading Scale

Course Topics and Schedule (including all exams):
See CSE 1322: Programming and Problem Solving II 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: 89.5% - 100%
B: 79.5% - 89.5%
C: 69.5% - 79.5%
D: 59.5% - 69.5%
F: 59.4% or below

Assignment	Percentage
Quizzes (in D2L)	25%
Exam 1	25%
Exam 2	25%
Exam 3	25%

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 1322

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

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
- **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

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.

<u>Face Coverings</u>

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.