



Department of Computer Science
CS 1301 - Programming Principles I

Course Syllabus

Instructor	<p>Dr. Ken Hoganson Professor Phone: 470-578-6005 Location: Chastain Pointe 206 P Email: khoganso@kennesaw.edu</p> <p>Office hours: TBD <i>Other hours via D2L</i> http://d2l.kennesaw.edu</p>
Class Design	<p>The course will be delivered as lectures and lab programming sessions with supporting quizzes, pretests, and exams. All lecture notes will be provided via KSU Desire2Learn Access http://d2l.kennesaw.edu/</p> <p>This course will be delivered as a traditional lecture course with required attendance but also with built-in lab programming time. In-class time will be composed of section overview lectures, hands-on programming assignments with the instructor and teaching assistants present, pretests, pretest assessment sessions, exams, post-exam assessment sessions, and online quizzes. Required viewing of additional lecture recordings are assigned as homework, which may be downloaded and viewed multiple times. Attendance is required for all class meetings, and is assigned points toward the final course grade.</p> <p><u>Repetition:</u> Through this approach, repetition is used to expose students to learning material multiple times: in-class section overview lectures, recorded lecture homework (which may be repeated), in-class lab programming assignments, online quizzes, pre-tests, pre-test assessment sessions. And finally the exams themselves and the post-exam assessment sessions are also learning opportunities.</p> <p><u>The courses is divided into thirds,</u> with assessment (graded for points) consisting of lab assignments, two online quizzes, a pretest, and a test covering each third. <i>Graded pretests are both study opportunities and learning opportunities, where students can see the types of exam questions that will be asked, and the content that will be assessed, and how it will be assessed; and will be able to see where additional study and learning are needed to do well on the exams.</i> Students may not keep the pretests, but may take detailed notes from the pretest assessment session that will be guided by the professor after students have completed the pretest. The quizzes, pretests and exams are all graded and count toward the overall points for the course.</p> <p>Labs, homework assignments, lecture slides, and other materials will be posted on the course http://d2l.kennesaw.edu/.</p>

Textbook & Resources	<p><u>Required:</u> Textbook: Introduction to Java Programming, Comprehensive Version, 10th Edition By Y. Daniel Liang; Pearson Publishing, 2015 - ISBN#: 978-0-13-376131-3</p> <p><u>Laboratory Supplemental</u></p> <ul style="list-style-type: none"> • JAVA downloads
Prerequisite	MATH 1112 or MATH 1113 (co requisite)
Course Description	An introduction to problem-solving methods that lead to the development of correct, well-structured programs. Topics also include the fundamentals of computer systems. The programming language to be used in CS 1301 is Java. 3 lecture hrs/2 lab hrs/4 credit hrs.
Learning Outcomes	<p>After successful completion of this course, a student should:</p> <ol style="list-style-type: none"> 1. Recognize the basic concepts of object-oriented programming 2. Comprehend how a program is converted into an executable form 3. Learn the basic syntax of a specific programming language 4. Be able to read simple programs written in a specific programming language and understand what these programs do 5. Be able to design algorithms utilizing the principles of object-oriented programming to solve simple problems 6. Be able to write simple programs in a specific programming language to implement these algorithms 7. Be able to follow specified style guidelines in writing programs, and understand how the guidelines enhance readability and promote correctness in programs 8. Be able to edit, compile, debug and run programs in a specific programming language <p><i>SPECIAL NOTICE:</i> This course will make use of a laboratory and assign relevant lab work and exercises. In order to participate in any of the course labs or other assignments (required to earn a passing grade in this course), each student is advised to locate and read KSU's Information Technology Computer Usage Policies (which can be found at http://www.kennesaw.edu/its/compuse.shtml)</p>
Course Objectives	<p><u>Table of Contents</u></p> <p>Module 1 - Chapter 1: Introduction to Computers, Programs, and Java</p> <p>Module 2 - Chapter 2: Elementary Programming</p> <p>Module 3 - Chapter 3: Selections</p> <p>Module 4 - Chapter 4: Mathematical Functions, Characters, and Strings</p> <p>Module 5 - Chapter 5: Loops</p> <p>Module 6 - Chapter 6: Methods</p> <p>Module 7 - Chapter 7: Single_Dimensional Arrays - Chapter 8: Multi_Dimensional Arrays</p> <p>Module 8 - Chapter 9: Objects and Classes - Chapter 10: Objects-Oriented Thinking</p> <p><i>Note: Modules are Structured via via KSU Desire2Learn Access http://d2l.kennesaw.edu/</i></p>
<p>Attendance: The Instructor expects your attendance at each and every class/lab and discussion session via http://d2l.kennesaw.edu/; Grade performance is a demonstrated function of attendance, preparation and</p>	

participation. You can get behind very easily by skipping classes, resulting in a poor understanding of the material, which will show up as a poor grade for the class. Any class sessions missed by the student are the student's responsibility to make up, not the instructor's. Late arrival that causes disruption, early departure that causes disruption, excessive conversation among students (a disruption in its own right), inappropriate use of electronic devices that cause disruptions and other actions that disrupt the classroom are unacceptable.

Evaluation criteria explained:

- Students are expected to be active participants in each class meeting. Full credit for participation will be extended to students who regularly ask questions, share observations, and contribute relevant personal experiences.
- Examinations will consist of program assignments and technological comprehension that cover the lecture material, and assigned readings.
- Students will be given specific guidance on the amount of collaboration permitted for each assignment.

Quizzes:

Quizzes will be given throughout the semester, at a rate of approximately 1 or 2 per month. The quizzes will be combinations of objective and short-answer questions. Makeup quizzes will not be given. Any class material missed by the student is the student's responsibility to acquire.

Exams:

There will be test1 & test2 and a cumulative final examination. The content will come from the text and other material presented in lecture sessions as well as labs. Note that material presented in class will supplement the assigned reading. Therefore, class attendance and good note taking are essential tactics for success. Students will not be allowed to bring class notebooks to the exams, nor will any other similar materials be permitted.

There will be no make-up examinations. It is the student's responsibility to arrange for an excused absence before the exam. A grade of zero will be assigned for all exams missed without an excused absence. If an emergency arises on the day of an exam, and the instructor deems that the absence is excused, then the weight of the final exam may be increased to replace the exam.

Assignment Grading Policy:

Successfully completed programs must satisfy their requirements outlined in the programming assignments. The maximum score depends on the quality of the program. Assignment grading guidelines are posted on the course webpage.

All assignments are individual assignments. You are encouraged to discuss assignments with other students as long as the following rules are followed:

- (a) You may provide assistance on how to use any of the software used by this course.
- (b) You view another student's code only for the purpose of offering debugging assistance.
Students can only give advice on what to look for, but they cannot debug your code for you.
All changes to your code must be made by you.
- (c) Your discussion is subject to the empty hands policy, which means that you leave the discussion without any record (electronic or physical) of the discussion.

Due dates for homework assignments will be specified on the assignments

Assignments are due throughout the term. Each of these assignments is weighted as noted in the assessment section below.

You lose 50% of your score if you turn in a homework assignment late, and late programming assignments will only be accepted up to one week after the due date!

Use the Discussions tool in our course will:

- Encourage you to share thoughts on course material with your peers.
- Set up forums for class to ask questions.
- Pose questions for the class to debate.

- Discuss the answers to an assignment.
- Create forums for groups to work on group assignments.

Lecture Notes & Recordings:

PowerPoint Slide and Lecture recordings will be posted on D2L within each Modules.

Lab Work Grading Policy:

Typically, each lab assignment is required to be accomplished in the corresponding lab session. If you cannot finish a lab assignment during the lab session, it is still possible for you to get the credit for the lab assignment. Please check on the D2L due dates

Withdrawal Policy:

The last day to withdraw without academic penalty is shown on the course schedule. Ceasing to attend class or oral notice thereof DOES NOT constitute official withdrawal from the course. Students who simply stop attending classes without officially withdrawing usually are assigned failing grades. Students wishing to withdraw after the scheduled change period (add/drop) must obtain and complete a withdrawal form from the Academic Services Department in the Registrar's Office.

Enrollment Policy:

Only those students who are enrolled in the class may attend lectures, receive assignments, take quizzes and exams, and receive a grade in the class. If a student is administratively withdrawn from this course, they will not be permitted to attend class nor will they receive any grade for the class.

Electronic Devices:

In order to minimize the level of distraction, all watches, beepers and cellular phones must be on quiet mode during class meeting times. Students who wish to use a computer/PDA for note taking need prior approval of the instructor since key clicks and other noises can distract other students. Recording of lectures by any method requires prior approval of the instructor.

Email Messages:

Remember to put the course name and section number in the subject field of every e-mail message that you send me. E-mail messages that are missing this information are likely to be automatically redirected to a folder I seldom check.

Grades will be calculated as follows:

Attendance: points awarded as a percentage of class meetings attended. <i>A student attending 80% of the class meetings will receive 80% of 40 points, which is 32 points.</i>	40
Lab Programming Projects – Mod_1 – Mod_8, 10 points each	80
Quizzes (<i>six quizzes, 10 points each</i>)	60
PreTest-1	20
Test 1	80
PreTest-2	20
Test 2	80
PreTest-Final	20
Final Exam	100
Total	500

Grading Scale:

Grade	Percentage	Point System
A	90% - 100%	450 - 500
B	80% - 89%	400 - 449
C	70% - 79%	350 - 399
D	60% - 69%	300 - 349
F	59% or below	299 - 0

Student Course Evaluation:

A standard questionnaire (described below) will be administered during the last two weeks of the semester in all classes. Additional questions developed by the college or instructor(s) may be included as well. It is important that each student provide meaningful feedback to the instructor(s) so that changes can be made in the course to continually improve its effectiveness. We value student feedback about the course, our teaching styles, and course materials, so as to improve our teaching and you're learning. At a minimum, the following two questions will be asked:

1. Identify the aspects of the course that most contributed to your learning (include examples of specific materials, exercises and/or the faculty member's approach to teaching and mentoring), and
2. Identify the aspects of the course, if any that might be improved (include examples of specific Materials, exercises and/or the faculty member's approach to teaching and mentoring).

Student Email and Web Account Access:

KSU is moving towards a central authentication server that will allow one username and password to be used by all KSU users to access an increasing variety of applications (email, GeorgiaView etc.) This unified network identification is referred to as your "NetID". The new source for university-provided email and web space for students will be located at students.kennesaw.edu All students will have access to this system once they have established their NetID. This system will provide email service through a web based interface, FTP and SFTP.

How to Activate your NetID:

To activate your NetID go to <http://netid.kennesaw.edu> and click on "Sign up Now!" link. You will be asked to provide information to verify your identity and set your password. This password will only be for NETID enabled applications.

How to Look Up a NetID:

After you have activated your NetID, you can look up other users by logging into <http://netid.kennesaw.edu> and clicking on Directory Search.

Web Address:

For student web address, your NETID in combination with the new server address would look like <http://students.kennesaw.edu/~netid>. If you have problems please call the Service Desk at ext. 6999 or e-mail service@kennesaw.edu.

Disability Statement:

Any student with a documented disability needing academic adjustments is requested to notify the instructor as early in the semester as possible, and must do so before the mid-term exam. Verification from KSU disabled Student Support Services is required. All discussions will remain confidential

Acquiring Final Grades:

In an effort to better utilize our technology resources, Kennesaw State University has instituted the reporting of end of term grades by phone. This is in addition to the web version of grades, which has been in effect for several terms. All current semester term students may call 470-578-4315 and select Option Number 4 to secure their end of term grades. With this new development, printed grade reports will not be mailed at the end of the term. Students needing verification of grades or enrollment should request either an official transcript or enrollment verification through the Office of the Registrar.

Availability of On-Campus Computer Labs: Marietta Campus J-263 (Atrium Building):

The lab in J-263 of the Atrium Building is open as listed on D2L Home Page. See the display note and e-mail announcements.

CS Department Policies:

Students are minded that the CS Department has certain policies in place that govern practices within the department. Including:

- All courses used toward any undergraduate degree in the CS Department must be completed with an assessed performance grade of "C" or better. This means that all prerequisite courses from the CS Department must have been completed with a "C" or better in order for a student to enter the next course in a sequence.
- All requests for course overloads must be made through the department chair's office and CS advisor. The Instructor of any course is not permitted to authorize course overloads.
- All requests for prerequisite bypasses must be made through the department chair's office. The Instructor of any course is not permitted to authorize course overloads.
- All students are encouraged to register their current choice of major using the department change process. Students who are not recorded under their intended major may find that they may be limited from registering for courses they require to complete their intended program of study.

To answer any questions about these or other departmental policies, please contact the chair's office.

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 II 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. See also <http://www.kennesaw.edu/scai/content/ksu-student-code-conduct>.

Students are encouraged to study together and to work together on class assignments and lab exercises; however, the provisions of the STUDENT CONDUCT REGULATIONS, II. Academic Honesty, KSC Undergraduate Catalog will be strictly enforced in this class.

Frequently students will be provided with "take-home" exams or exercises. It is the student's responsibility to ensure they fully understand to what extent they may collaborate or discuss content with other students. No exam work may be performed with the assistance of others or outside material unless specifically instructed as permissible. If an exam or assignment is designated "no outside assistance" this includes, but is not limited to, peers, books, publications, the Internet and the WWW. If a student is instructed to provide citations for sources, proper use of citation support is expected.

Acknowledgment and Acceptance of Academic Integrity Statement:

In any academic community, certain standards and ethical behavior are required to ensure the unhindered pursuit of knowledge and the free exchange of ideas. Academic honesty means that you respect the right of other individuals to express their views and opinions, and that you, as a student, not engage in plagiarism, cheating, illegal access, misuse or destruction of college property, or falsification of college records or academic work. As a member of the Kennesaw State University academic community you are expected to adhere to these ethical standards. You are expected to read, understand and follow the code of conduct as outlined in the KSU graduate and undergraduate catalogs.

You need to be aware that if you are found guilty of violating these standards you will be subject to certain penalties as outlined in the college judiciary procedures. These penalties include permanent expulsion from KSU. Students are required to complete the Academic Integrity Quiz in GeorgiaView Vista to acknowledge

the receipt of this syllabus and to acknowledge that they agree to abide by the class policies and the academic integrity policies of the University.

Diversity Statement:

All courses offered by the Computer Science and Information Systems department will adhere to the KSU policy that prohibits discrimination on the basis of race, religion, color, sex, age, disability, national origin, or sexual orientation.

Tentative Course Schedule:

Please see the link from the <http://d2l.kennesaw.edu/> for the course schedule. It will be updated online

Tentative Course Schedule: Subject to Change
Dr. Ken Hoganson khoganso@kennesaw.edu

Every two weeks		Course Assignments
1	Module_1	Welcome- Login to Vista and overview http://d2l.kennesaw.edu/ Module 1 Chapter 1 - Introduction to Computers, Programs, and Java - Lectures/Lab/Programming Assignments – JAVA Programming <i>Refer to D2L for the due date http://d2l.kennesaw.edu/</i>
2	Module_2	Module 2 Chapter 2 - Elementary Programming - Lectures/Lab/Programming Assignments – JAVA Programming <i>Refer to D2L for the due date http://d2l.kennesaw.edu/</i> Quiz #1 - Ch1 & Ch2
3	Module_3	Module 3 Chapter 3 – Selections - Lectures/Lab/Programming Assignments – JAVA Programming <i>Refer to D2L for the due date http://d2l.kennesaw.edu/</i> Quiz #2 - Ch3 Test #1 - Chapters 1, 2, & 3 (Refer to D2L)
4	Module_4	Module 4 Chapter 4 - Mathematical Functions, Characters, and Strings - Lectures/Lab/Programming Assignments – JAVA Programming <i>Refer to D2L for the due date http://d2l.kennesaw.edu/</i> Quiz #3- Ch_4
5	Module_5	Module 5 Chapter 5 - Loop - Lectures/Lab/Programming Assignments – JAVA Programming <i>Refer to D2L for the due date http://d2l.kennesaw.edu/</i> Quiz#4 – Ch_5
6	Module_6	Module 6 Chapter 6 - Methods - Lectures/Lab/Programming Assignments – JAVA Programming <i>Refer to D2L for the due date http://d2l.kennesaw.edu/</i> Quiz#5 – Ch_6 Test #2 – Chapter 4, 5, & 6 (Refer to D2L)
7	Module_7	Module 7 Chapter 7 – Single-Dimensional Arrays Chapter 8 - Multi-Dimensional Arrays - Lectures/Lab/Programming Assignments – JAVA Programming <i>Refer to D2L for the due date http://d2l.kennesaw.edu/</i> Quiz #6 – Ch7 & Ch8
8	Module_8	Module 8 Chapter 9 – Objects and Classes Chapter 10 – Object-Oriented Thinking - Lectures/Lab/Programming Assignments – JAVA Programming Final Exam (Refer to D2L)