Kennesaw State University
Department of Computer Science
CS 1301: Programming Principles I - All Sections
Spring 2016

Section-specific information to be provided by your instructor.

Important Notice: No Finals will be given outside the University Finals Schedule times. Please see University Finals Schedule for your section exam time.

<table>
<thead>
<tr>
<th>Credit Hours:</th>
<th>4 Credit Hours</th>
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<tbody>
<tr>
<td>Pre-Requisites:</td>
<td>None</td>
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Textbook:
Introduction to Java Programming, Comprehensive Version, 10th Edition
By Y. Daniel Liang
ISBN#: 978-0-13-376131-3


Class Design:
This course will be delivered in a **hybrid mode**. Section 1 is a primary section that meets as scheduled (MWF 10:00am – 11:50am). All lecture recordings will be posted on the course webpage (on the CS server). Students enrolled in the secondary sections are required to download and review the lecture recordings on their own before attending their designated class meetings. Students should bring to class any questions they may have and discuss with the instructor. The instructor will review the key concepts of the lecture at hand before starting the lab session. Labs, homework assignments, lecture slides, and other materials will be posted on the course webpage. Your instructor may use a different venue to post the course materials, please check with your instructor.

Course Description:
This course provides an introduction to computer science with a focus on object-oriented programming. Instruction centers on an overview of programming, problem-solving, and algorithm development. Specific topics include primitive data types, arithmetic and logical operators, selection and repetition structures, interactive user input, using and designing basic classes, single dimension arrays with searching and sorting, and Array lists. The course covers the following chapters from the textbook:

- Chapter 1: Introduction to Computers, Programs, and Java
- Chapter 2: Elementary Programming
- Chapter 3: Selections
- Chapter 4: Mathematical Functions, Characters, and Strings
- Chapter 5: Loops
- Chapter 6: Methods
- Chapter 7: Single-Dimensional Arrays
- Chapter 8: Multi-Dimensional Arrays
- Chapter 9: Objects and Classes
- Chapter 10: Object-Oriented Thinking

Learning Outcomes:
1. Understand the basic concepts of object-oriented programming
2. Understand 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
### Special Dates:
- First Day of Classes: Monday 1/11/2016
- University Holiday: Monday 1/18/2016
- Last Day to Withdraw w/o Academic Penalty: Wednesday 3/2/2016
- Last Day of Class: Monday 5/2/2016
- Final Exams: Tuesday 5/3 – Monday 5/9/2016

### Weekly Course Schedule: Subject to change

<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Topic</th>
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</thead>
</table>
| 1    | Mon 01/11/16 | Discussion of course syllabus and policies, Course webpage, IDE illustration (with sample Java programs)  
Chapter 1 – Introduction to Computers, Programs, and Java  
**Complete Lab #1 and start Assignment #1**  |
| 2    | Mon 01/18/16 | Chapter 2 – Elementary Programming. **Complete Lab #2 and start Assignment #2**  |
| 3    | Mon 01/25/16 | Chapter 3 – Selections. **Complete Lab #3 and start Assignment #3**  |
| 4    | Mon 02/01/16 | Chapter 3 – Selections. **Complete Lab #4 and start Assignment #4**  |
| 5    | Mon 02/08/16 | **Test #1 – Chapters 1, 2, and 3**  
Chapter 4 – Mathematical Functions, Characters, and Strings  
**Complete Lab #5 and start Assignment #5**  |
| 6    | Mon 02/15/16 | Chapter 5 – Loops. **Complete Lab #6 and start Assignment #6**  |
| 7    | Mon 02/22/16 | Chapter 5 – Loops. **Complete Lab #7 and start Assignment #7**  |
| 8    | Mon 02/29/16 | Chapter 6 – Methods. **Complete Lab #8 and start Assignment #8**  |
| 9    | Mon 03/07/16 | Chapter 6 – Methods. **Complete Lab #9 and start Assignment #9**  |
| 10   | Mon 03/14/16 | **Test #2 – Chapters 4, 5, and 6**  
Chapters 7 and 8 – Arrays. **Complete Lab #10 and start Assignment #10**  |
| 11   | Mon 03/21/16 | Chapters 7 and 8 – Arrays. **Complete Lab #11 and start Assignment #11**  |
| 12   | Mon 03/28/16 | Chapter 9 – Objects and Classes. **Complete Lab #12 and start Assignment #12**  |
| 13   | Mon 04/04/16 | **Spring Break – No Classes**  |
| 14   | Mon 04/11/16 | Chapter 9 – Objects and Classes. **Complete Lab #13 and start Assignment #13**  |
| 15   | Mon 04/18/16 | Chapter 10 – Thinking Object-Oriented. **Complete Lab #14 and start Assignment #14**  |
| 16   | Mon 04/25/16 | Chapter 10 – Thinking Object-Oriented. **Complete Assignment #14**  |
| 17   | Mon 05/02/16 | Monday 5/2 is last day of classes: Course Wrap-Up  |
|      | Final Exams | Tuesday 5/3 to Monday 5/9. See University Finals Schedule for your exam time.  
**Important:** No Finals will be given outside the University Finals Schedule times.  |

### Assessment Criteria:

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<tr>
<th>Component</th>
<th>Weight</th>
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<tbody>
<tr>
<td>Labs, Assignments, Quizzes, and Attendance</td>
<td>50%  (Your instructor decides on the break-down of points)</td>
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<tr>
<td>Test 1</td>
<td>15%</td>
</tr>
<tr>
<td>Test 2</td>
<td>15%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>20%</td>
</tr>
</tbody>
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### Grade Evaluation

- A: 90% - 100%
- B: 89% - 80%
- C: 79% - 70%
- D: 69% - 60%
- F: 59% or below

### Course Policies and Other Information:

**Attendance:** Class attendance is required and very important for successful completion of the course. Students are expected to attend and participate in every class which is interpreted as the entire class period and lab period. **If a student misses more than 4 session (class meetings and/or labs), the student's final grade for the course may be reduced by 5% (that is half letter grade).** Excused absences must be planned for, when possible, and **justified with documentation.** The student is responsible for making up missed class/lab sessions. 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.

**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, you are expected to finish it outside the class time and before the due date of the corresponding assignment. An assignment will NOT be graded if its corresponding lab is not completed.

**Assignment Grading Policy:** Successfully completed programs must satisfy their requirements outlined in the programming assignments. The assignment grade depends on the quality of the program. All assignments are individual work. You are encouraged to discuss assignments with other students and tutors as long as the following rules are followed:

1. You may provide assistance on how to use any of the software used by this course.
2. 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.
3. 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.
4. Submissions that show identical code or slightly modified code will be considered plagiarism and are a violation of the Student Code of Conduct.

For all homework assignments, if a student consults any resource (other than the text and class notes) including another individual, this consultation must be documented on the submission. This documentation must include what (or who) was consulted and what information was obtained. Copying or paraphrasing code from another source or failure to provide this documentation will be considered a violation of the Student Code of Conduct.

Due dates for homework assignments will be specified on the assignments themselves. Late assignments will be accepted up to 24 hours after the due date for 50% credit. Assignments submitted more than 24 hours late will not be accepted for credit. Again, an assignment will not be graded if its corresponding lab is not completed.

**Class Format:** Recorded lectures, lecture notes (PowerPoint Slides), in-class lab sessions, and homework assignments for all sections. Slides and recordings will be posted on the course webpage. Your instructor may use a different webpage for your section that links to these recordings.

**Tests:** Test 1, Test 2, and Final exam are planned for this course. The estimated dates are shown in the Weekly Course Schedule table above. Please note that no Finals will be given outside the University Finals Schedule times.

**Quizzes:** Quizzes may be given throughout the semester. Makeup quizzes may not be given. Any class material missed by the student is the student's responsibility to acquire. Please check with your instructor.

**Email Policy:** The instructor will ONLY reply to e-mails that are sent from KSU student email accounts and list the course number in the subject line of the e-mail (CS1301-section #). E-mails with other subject lines or from an account rather than KSU student account may not reach the instructor's mailbox. You are required to check your KSU email account on a daily basis. Please check with your instructor for email policy.

**Withdrawal Policy:** The last day to withdraw without academic penalty is **Wednesday 3/2/2016.** 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.

**Classroom Behavior:** Students are reminded to conduct themselves in accordance with the Student Code of Conduct, as published in the Undergraduate and Graduate Catalogs. Every KSU student is responsible for upholding the provision. Students who are in violation of KSU policy will be asked to leave the classroom and may be subject to disciplinary action by the University.

**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
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 University Judiciary Program, 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.

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. Additional information can be found at the following locations.

http://www.apa.org/journals/webref.html
http://bailiwick.lib.uiowa.edu/journalism/cite.html
http://www.indiana.edu/~wts/wts/plagiarism.html
http://www.virtualsalt.com/antiplag.htm

Electronic Devices: In order to minimize the level of distraction, all 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. Students using a laptop in class should not check their email, browse the web, or in other way detract from the focus of the class.

Disruption of Campus Life Statement: It is the purpose of the institution to provide a campus environment, which encourages academic accomplishment, personal growth, and a spirit of understanding and cooperation. An important part of maintaining such an environment is the commitment to protect the health and safety of every member of the campus community. Belligerent, abusive, profane, threatening and/or inappropriate behavior on the part of students is a violation of the Kennesaw State University Student Conduct Regulations. Students who are found guilty of such misconduct may be subject to immediate dismissal from the institution. In addition, these violations of state law may also be subject to criminal action beyond the University disciplinary process.

Computer Usage Policy: The Kennesaw State University computer usage policy is posted at https://policy.kennesaw.edu/sites/web.kennesaw.edu.policy/files/computerusagepolicy_11212014_0.pdf. Students are responsible for being familiar with the policy and the penalties authorized in the policy.

The KSU Library System: The KSU library system assists all students, faculty and staff with their research, including using library databases to find articles, accessing books and other materials in our catalog, and for specialized research needs. Librarians are available for in-person walk-up assistance at library help desks, one-on-one research appointments, and 24x7 via library chat. For more information on library locations, hours, and how to access our services please visit http://library.kennesaw.edu/.

The KSU Writing Center: The center helps students in all majors improve their writing. Experienced, friendly writing assistants help with topic development, revision, research, documentation, grammar, and more. For more information or to make an appointment, visit http://writingcenter.kennesaw.edu or stop by English Building, Room 242 (Kennesaw campus) or Building A, Room 184 (Marietta campus).
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.

Read the Academic Integrity Statement and then sign and date in the space below. You are required to abide by these ethical standards while you are a student at KSU. Your signature indicates that you understand the ethical standards expected of you in this academic community, and that you understand the consequences of violating these standards.

CS 1301: Programming Principles I (Spring 2016)
Course Name

________________________________________
Instructor Name

________________________________________
Print Name

________________________________________
Student ID Number

________________________________________
Signature

________________________________________
Date