

CSC 155 Computer Science I (4 cr.)- Syllabus
The University of South Dakota
Term: Spring 2020
Time: TR 12:30-1:45 PM, Location: AS 107

Instructor's Contact Information	Name: Dan Kahn Office Location: Arts and Sciences Room 213 Office Hours: (A&S 213) TR: 11:00 – 12:00 PM, W 11:00 – 01:00 PM Also, available by appointment Email address: Dan.Kahn@usd.edu
Catalog Description of Course	An introduction to computer programming. Focus on problem solving, algorithm development, design, and programming concepts. Topics include sequence, selection, repetition, functions, and arrays.
Course Prerequisites	CSC 155L (Co-requisite)
Description of Instructional Methods	Lectures, lab sessions, and problem assignments Lectures: TR 12:30 - 1:45 PM Labs: weekly (see schedule)
Course Requirements Required Text	<i>Introduction to Java Programming (Comprehensive, 10th ed.)</i> Y. Daniel Liang Pearson, McGraw Hill, 2015 ISBN 0-13-376131-2
Supplementary Materials	Class Handouts
Class Attendance Policy	Lecture attendance is expected and you are responsible for all material covered during lectures. Attendance in lab is <u>required</u> .
Make-up Policy	None. When appropriate, grades will be pro-rated.
Course Goals	The goals of the course are: <ol style="list-style-type: none">1. Develop basic design and coding skills that promote code reuse, encapsulation, incremental development and testing,2. Determine an appropriate algorithmic approach to problems.3. Understand and apply data types and operations,

4. Understand and code with structured-programming,
5. Understand and use Java console input/output streams,
6. Understand/use Java single and multi-dimensional arrays.
7. Understand, explain and apply basic Object Oriented-Programming: abstraction, composition, encapsulation, and inheritance.
8. Explore and use Java packages and classes.

**Evaluation
Procedures
Assessments**

Assignments: There will be assignments each week.

**Performance
Standards/Grading
Policy**

Tests: There will be 2 tests and a final exam.
10% lab attendance – there will be two attendance each meeting
40% Online work
50% Exam

**Additional
Information:
Major topics
covered in the
course**

- 1) Introduction to imperative and object-oriented programming using Java TM.
- 2) Primitive and reference data types in Java TM.
- 3) Flow control programming structures
- 4) Introduction to Object Oriented programming

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Academic Integrity

The College of Arts and Sciences considers plagiarism, cheating, and other forms of academic dishonesty inimical to the objectives of higher education. The College supports the imposition of penalties on students who engage in academic dishonesty, as defined in the “Conduct” section of the University of South Dakota Student Handbook.

No credit can be given for a dishonest assignment. A student found to have engaged in any form of academic dishonesty may, at the discretion of the instructor, be:

- a. Given a zero for that assignment.
- b. Allowed to rewrite and resubmit the assignment for credit.
- c. Assigned a reduced grade for the course.
- d. Dropped from the course.
- e. Failed in the course.

Freedom in Learning

Under Board of Regents and University policy, student academic performance may be evaluated solely on an academic basis, not on opinions or conduct in matters unrelated to academic standards. Students should be free to take reasoned exception to the data or views offered in any course of study and to reserve judgment about matters of opinion, but they are responsible for learning the content of any course of study for which they are enrolled. Students who believe that an academic evaluation reflects prejudiced or capricious consideration of student opinions or conduct unrelated to academic standards should contact the dean of the college or school that offers the class to initiate a review of the evaluation.

Disability Accommodation

Any student who feels s/he may need academic accommodations or access accommodations based on the impact of a documented disability should contact and register with Disability Services during the first week of class or as soon as possible after the diagnosis of a disability. Disability Services is the official office to assist students through the process of disability verification and coordination of appropriate and reasonable accommodations. Students currently registered with Disability Services must obtain a new accommodation memo each semester.

Please note: if your home institution is not the University of South Dakota but one of the other South Dakota Board of Regents institutions (e.g., SDSU, SDSMT, BHSU, NSU, DSU), you should work with the disability services coordinator at your home institution.

Disability Services
Service Center North, R119B
(605) 677-6389
Web Site: www.usd.edu/ds
E-mail: disabilityservices@usd.edu

Diversity and Inclusive Excellence

The University of South Dakota strives to foster a globally inclusive learning environment where opportunities are provided for diversity to be recognized and respected. To learn more about USD's diversity and inclusiveness initiatives, please visit the website for the Office of Diversity.

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Tentative Schedule

Week	Lab	Lecture	Topics
13-Jan	Lab-01	Ch.1 & Ch.2	Basics
20-Jan	Lab-02		Selection Logic
27-Jan	Lab-03	Ch. 3	
3-Feb	Lab-04	Ch. 4	Math & Strings
10-Feb	Lab-05		Loops
17-Feb	Lab-06	Ch. 5	
24-Feb	Lab-07	Ch. 6	Methods
2-Mar	Lab-08		
16-Mar	Lab-09	Ch. 7	Arrays
23-Mar	Lab-10		
30-Mar	Lab-11	Ch. 8	Multi-dimensional Arrays
6-Apr	Lab-12	Ch. 9	Objects & Classes
13-Apr	Lab-13		
20-Apr	no Lab		OO Design
27-Apr	Lab-14	Ch. 10	
4-May	no Lab		Final Exam