

# **CISC-181: Introduction to Computer Science II**

**Instructor:** Debra Yarrington

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**Web Site:** <https://www.eecis.udel.edu/~yarringt/181/>

**Office:** 411 Smith Hall

**Class:** 012 MW 8:40 – 9:55      217 Gore Hall

013 MW 5:00 – 6:15      304 Gore Hall

**Lab Location:** 010 Spencer Lab

**Lab Times:** 040 T 11:15 - 12:05

041 T 12:20 - 1:10

042 T 1:25 - 2:15

050 T 2:30 - 3:20

051 T 3:35 - 4:25

052 T 4:40 - 5:30

## **COURSE DESCRIPTION**

Principles of computer science illustrated and applied through programming in an object oriented language. Programming projects illustrate computational problems, styles and issues that arise in computer systems development and in all application areas of computation.

**Prerequisites:** Grade of C- or better in CISC108 or CISC106

**Co-requisites:** MATH221, or MATH241

**TEXTBOOK:** (*optional, recommended resource*) Liang, Introduction to Java Programming, Comprehensive (9th Edition). Prentice Hall 2013.

## **CLASS RULES:**

1. Failing all three exams is automatic failure in this course, regardless of lab scores
2. All labs, projects and homeworks must be uploaded to Sakai. Failure to submit your labs/projects/homeworks through Sakai will result in an automatic 0 on the assignment.
3. Failing to remove your lab from University computers will result in losing 25% off your lab.

## **ATTENDANCE POLICY:**

- **Lab attendance is MANDATORY** See **Lab** section for details.
- Attendance in lecture, though not mandatory, is expected. You are responsible for anything taught or announced in lecture. If you choose not to come, it is your job to coordinate with your partner and find out what is going on without extra help from me. **This includes class notes!** If you need extra help, I expect to see you in office hours.

## **EMAIL:**

Email is the only consistent method of communication I have with the entire class. It is imperative that you know that you are receiving mail from the class list. Anything mailed at least 24 hours prior is considered your responsibility to know. It may be very helpful to check email before, during or after any unusual event (i.e. power outages, snow, tests, holidays) Check the UD Homepage for any University wide cancellations.

## **LABS:**

You may need to complete the lab assignments outside of class time; if you do not have the necessary software on your computer, you may either come in and use a free machine in your lab or use another PC lab on campus that has compatible software.

**Learn your Section number and the name and email address of your TA!**

### Lab session attendance:

#### Lab attendance is REQUIRED!

A place is reserved for you during lab time. It is the only time you can be GUARANTEED access to a machine, the lab materials, the software and the Teaching Assistant (TA). *To receive full credit for attendance, you must attend the lab session until you have COMPLETED the lab being worked on that day, NOT the one that is due. If you leave early without turning in that day's lab, it will be considered an absence.*

Keep your TA informed about planned absences. Send email just prior to or immediately after any absence from LAB, even if you've told the TA ahead of time. This makes record keeping so much easier.

**You are allowed 3 absences** from lab. If you miss more than 3 labs, you will receive a 0 for lab attendance. You are still required to turn in the lab assignment by the due date. Notes attesting to visits to the infirmary will NOT result in an excused absence from lab.

### Lab assignments:

**Labs are due Monday at midnight unless otherwise instructed.**

**Labs and Projects will be accepted only one day late, with a penalty of 10%. After that, labs and projects will not be accepted.**

### Lab and Project Score Disputes:

Your TA will email you when grades have been released. **You have two weeks after the TA has released scores to dispute your grade.** After that, the grade is final.

**IMPORTANT - Keep all labs available until the end of the semester as proof in case there is a problem.**

### EXAMS:

**Attendance is MANDATORY for all exams.** Exams cannot be taken later. If you have an excused absence, the exam will not be included in the computation of the final grade and the other exams will be weighted extra. If an exam is missed because of an unexcused absence a score of 0 will be included in the computation of the final grade.

The Final Exam is **cumulative**. Final Exam Schedules are not known until halfway into the course. *Do not plan to leave before the end of exam period.* This class has often had its final on the last possible day.

### ACADEMIC DISHONESTY:

Collaboration with others in the class is ENCOURAGED for any in-class work. Copying anyone's work is considered Academic Dishonesty and will be prosecuted.

Collaboration of any kind is PROHIBITED during Exams.

Copying any other person's work (off the Internet, for example) without proper acknowledgment is plagiarism, a serious offense, and the one most common to computer science courses.

Anyone that aids another student in copying or with work that is expected to be done without collaboration is as guilty as the person who seeks help. Both will be prosecuted. It is strongly recommended that you familiarize yourself with the University's Policy of Academic Dishonesty.

Please be advised that the University of Delaware Academic Honesty & Dishonesty Policy is taken seriously by this Instructor and NOTE WELL that it will be followed in the conduct of this course. This policy covers all forms of

- Plagiarism, including "copying, or allowing another student to copy, a computer file that contains another student's assignment, and submitting it, in part or in its entirety, as one's own";
- Fabrication, including "submitting as your own any academic exercise (e.g., written work, printing, sculpture, etc.) prepared totally or in part by another";
- Cheating, including "copying from another student's test paper, allowing another student to copy from a test paper, collaborating on a test, quiz, or other project with any other person(s) without authorization"; and
- Academic Misconduct, including "other academically dishonest acts such as ... taking part in obtaining or distributing any part of an unadministered test".

**Course Assignments:**

All reading assignments, homeworks, and labs will be posted to the course Web site (<http://www.eecis.udel.edu/~yarringt/181>).

**Grading:**

<b>GRADING:</b>		<b>Total % --Grade</b>
Labs/Projects/Homeworks:	46%	>=95% -- A
Lab Attendance	3%	>=90% -- A-
Exam 1	15%	>=87% -- B+
Exam 2	16%	>=83% -- B
Final Exam	21%	>=80% -- B-
		>=77% -- C+
		>=73% -- C
		>=70% -- C-
		>=67% -- D+
		>=63% -- D
		>=60% -- D-
<b>TOTAL POSSIBLE</b>	<b>100%</b>	

<b>Week of</b>	<b>Tentative Course Schedule</b>	<b>Reading</b>
Feb 8	Syllabus /Intro, Java Syntax Translation, Elementary Java	1-5
Feb 15	Mutation, Iteration 1, Arrays 1	6
Feb 22	Objects, Classes, Inheritance	8, 10, 11.1-11.3
Feb 29	Iteration 2, Arrays 2	7
Mar7	Strings,	9, 14.1-14.8
Mar 14	Text IO, Exceptions, <b>Exam 1 (Friday, March 18)</b>	
Mar 21	Abstraction ,Interfaces, (Mar 25 – Freshman Midterm Grades Due)	15
Mar28	Spring Break: No classes	
April 4	Linked Lists Collections, Generics	21-23, 26
April 11	Algorithms, Event/Listener <i>Apr 11: Last day to withdraw without penalty</i>	16
April 18	Inheritance	
April 25	Inheritance/Containers <b>Exam 2 (tentative)</b>	
May 2	Containers	34, 14.10-14.13, 19
May 9	Swing	33
May 16	May 17: Last day of classes <i>May 18: Reading Day (no classes or exams)</i>	
May 23	<b>Finals</b> <i>May 26: Last day of Final Examinations</i>	