

CSC 281 - Workshop: Java for Programmers

**College of Computing and Digital Media
DePaul University**

Spring Quarter 2021 (March 31 – June 9)

Instructor: Dan Walker

Lecture schedule

Wednesdays 5:45 PM to 7:15 PM

Office Hours: (Zoom session or phone)

Wednesdays: 7:15 PM to 8:15 PM

Thursdays: 1 to 2 PM, 4 to 5 PM

Fridays: 1 to 2 PM

Other time can also be arranged

Contact information

Discord

E-mail: dwalke30@depaul.edu

Tel: 773-706-3573

Course Description

This is a bridge class designed to ease the transition between the Python sequence (CSC 241/242 or CSC 243) and the Java data structures courses (CSC 300/301). It provides an introduction to the Java programming language and the Eclipse development environment.

After you have taken this class:

1. You will have basic Java programming skills, including the use of decision and iteration structures, methods, and classes from the API.
2. You will be able to use the Eclipse editor and debugger.
3. You will understand the notions of scope and visibility.
4. You will understand the difference between boxed and unboxed values.
5. You will understand the basics of Java classes.
6. You will have stronger problem-solving skills and a better ability to develop algorithmic solutions for computational problems.

Prerequisites

CSC 241: Introduction to Computer Science I, or
CSC 243: Python for Programmers, or
an equivalent programming class and earned a C- or better.

Calendar

Week	Date	Details
1	Wed Mar 31	Java and Eclipse basics, using the debugger
2	Wed Apr 7	Input/output, arrays, exception handling
	Fri Apr 9	Last day to drop with no penalty
3	Wed Apr 14	Strings, StringBuilder
4	Wed Apr 21	Objects and classes
5	Wed Apr 28	Static variables and methods, packages
6	Wed May 5	Inheritance
7	Wed May 12	Interfaces, dates
	Fri May 14	Last day to withdraw
8	Wed May 19	Lists, generics
9	Wed May 26	Lambda expressions, local and anonymous classes
10	Wed Jun 2	Review
11	Wed Jun 9	Final

Textbook

Core Java for the Impatient by Cay Horstmann, Addison Wesley, 2015, ISBN 978-0-321-99632-9.
The text covers more Java than necessary for this course, but it is a common recommended text for CSC 300/301 so it is likely you will use it during more than a single quarter.

Type of Instruction

Realtime online lecture which is recorded for those in the asynchronous section of the class, with assignments, quizzes and final. Links to the recording will be posted in D2L.

Required Software

Successful participation in this course requires the following software:

1. Java JDK 11 or higher
2. Eclipse IDE

Communication

We will use a mix of tools to communicate and keep in touch with each other:

- **Discord** – We can use this tool for general discussions and questions of general interest, for group communications using channels and for direct person to person messages.
- **Zoom** – For live presentations and real-time discussions, although, this may be handled by Discord as well.
- **D2L** – Will contain assignment descriptions, submission folders and grades. It may also be used for brief quizzes or even perhaps the final.
- **Email** – Of course you can email me if you are more comfortable with that but please keep in mind that direct Discord messages are also private and will probably get answered faster. My email address is dwalke30@depaul.edu.

Grading

- Assignments 65%
- Final exam 35%
- Late policy
 - Late assignments will not be accepted

Grading scale

A :	total ≥ 93	C+:	$80 > \text{total} \geq 77$
A-:	$93 > \text{total} \geq 90$	C :	$77 > \text{total} \geq 73$
B+:	$90 > \text{total} \geq 87$	C-:	$73 > \text{total} \geq 70$
B :	$87 > \text{total} \geq 83$	D+:	$70 > \text{total} \geq 67$
B-:	$83 > \text{total} \geq 80$	D :	$67 > \text{total} \geq 63$
		D-:	$63 > \text{total} \geq 60$
		F :	total < 60

Final Exam

Given that proctored exams are not possible in the current environment, the final exam will be given online, using D2L.

Changes to Syllabus

This syllabus is subject to change as necessary during the quarter. If a change occurs, it will be thoroughly addressed during class, posted under Announcements in D2L and sent via email.

Respect for Diversity and Inclusion at DePaul University as aligned with our Vincentian Values

At DePaul, our mission calls us to explore “what must be done” in order to respect the inherent dignity and identity of each human person. We value diversity because it is part of our history, our traditions

and our future. We see diversity as an asset and a strength that adds to the richness of classroom learning. In my course, I strive to include diverse authors, perspectives and teaching pedagogies. I also encourage open dialogue and spaces for students to express their unique identities and perspectives. I am open to having difficult conversations and I will strive to create an inclusive classroom that values all perspectives. If at any time, the classroom experience does not live up to this expectation, please feel free to contact me via email or during office hours.

Academic Integrity Policy

This course will be subject to the academic integrity policy passed by faculty. More information can be found at <http://academicintegrity.depaul.edu/>

Plagiarism

The university and school policy on plagiarism can be summarized as follows: Students in this course should be aware of the strong sanctions that can be imposed against someone guilty of plagiarism. If proven, a charge of plagiarism could result in an automatic F in the course and possible expulsion. The strongest of sanctions will be imposed on anyone who submits as his/her own work any assignment which has been prepared by someone else. If you have any questions or doubts about what plagiarism entails or how to properly acknowledge source materials be sure to consult the instructor.

Academic Policies

All students are required to manage their class schedules each term in accordance with the deadlines for enrolling and withdrawing as indicated in the University Academic Calendar. Information on enrollment, withdrawal, grading and incompletes can be found at: <http://www.cdm.depaul.edu/Current%20Students/Pages/PoliciesandProcedures.aspx>

Incomplete Grades

An incomplete grade is a special, temporary grade that may be assigned by an instructor when unforeseeable circumstances prevent a student from completing course requirements by the end of the term and when otherwise the student had a record of satisfactory progress in the course. All incomplete requests must be approved by the instructor of the course and a CDM

Associate Dean. Only exceptions cases will receive such approval. Information about the Incomplete Grades policy can be found at

<http://www.cdm.depaul.edu/Current%20Students/Pages/Grading-Policies.aspx>

Preferred Name & Gender Pronouns

Professional courtesy and sensitivity are especially important with respect to individuals and topics dealing with differences of race, culture, religion, politics, sexual orientation, gender, gender variance, and nationalities. I will gladly honor your request to address you by an alternate name or gender pronoun. Please advise me of this preference early in the quarter so that I may make appropriate changes to my records. Please also note that students may choose to identify within the University community with a preferred first name that differs from their legal name and may also update their gender. The preferred first name will appear in University related systems and documents except where the use of the legal name is necessitated or required by University business or legal need. For more information and instructions on how to do so, please see the Student Preferred Name and Gender Policy at

<http://policies.depaul.edu/policy/policy.aspx?pid=332>

Drop dates

See <https://academics.depaul.edu/calendar/Pages/default.aspx>

Students with Disabilities

Students seeking disability-related accommodations are required to register with DePaul's Center for Students with Disabilities (CSD) enabling them to access accommodations and support services to assist with their success. There are two office locations:

- Loop Campus (312) 362-8002
- Lincoln Park Campus (773) 325-1677
- Email: csd@depaul.edu

Students who register with the Center for Students with Disabilities are also invited to contact Dr. Gregory Moorhead, Director of the Center, privately to discuss how he may assist in facilitating the accommodations to be used in a course. This is best done early in the term. The conversation will remain confidential to the extent possible.

Please see <https://offices.depaul.edu/student-affairs/about/departments/Pages/csd.aspx> for Services and Contact Information.

Online Course Evaluations

Evaluations are a way for students to provide valuable feedback regarding their instructor and the course. Detailed feedback will enable the instructor to continuously tailor teaching methods and course content to meet the learning goals of the course and the academic needs of the students. They are a requirement of the course and are key to continue to provide you with the highest quality of teaching. The evaluations are anonymous; the instructor and administration do not track who entered what responses. A program is used to check if the student completed the evaluations, but the evaluation is completely separate from the student's identity. Since 100% participation is our goal, students are sent periodic reminders over three weeks. Students do not receive reminders once they complete the evaluation. Please see <https://resources.depaul.edu/teaching-commons/teaching/Pages/online-teaching-evaluations.aspx> for additional information.