

Course: CIT265 Java Programming II	Dates: 01/17/2023 05/13/2023
Prerequisite: CIT165 Java Programming I	
Books: Introduction to Java Programming Comprehensive Version 11 th Edition Y. Daniel Laing ISBN-13: 9780134670942	Instructor: Matt Geiger Phone: (419) 267-2292 Email: mgeiger@northweststate.edu
Credits: 3	Lab Hours: 3

Course Description:

This is an advanced programming course which utilizes the Java Programming Language. The course will introduce students to advanced topics such as interfaces, generic types, database connectivity, working with multiple threads and localizing programs so that they can be useful in a global market. This course includes hands on laboratory assignments requiring students to complete and submit programming projects.

Course Learning Objectives:

- Define advanced object-oriented programming concepts including inheritance, interfaces, polymorphism, and abstract classes.
- Implement Java generics and collections in a programming solution.
- Use Java string objects.
- Use assertions and exceptions to create more reliable programs.
- Create programs that perform file input and output.
- Use JDBC to interface with external databases.
- Create Java programs that implement multiple threads.
- Implement localization techniques to create programs that can be used in a global market.

Program Learning Objectives:

- Gain an understanding of structured programming concepts.
- Demonstrate software skills.
- Write and debug programs.

Grading:

Hands On Tests	30%	A	90-100
Quizzes	20%	B	80-89
Labs	40%	C	70-79
Class Participation	10%	D	60-69
		F	<60

Format:

This is a web-enhanced course. Most of the reading, lecture and demonstrations will be done outside of class via the book and video presentations of the material. Those items need to be completed *prior to* the in-person lab meeting. The in-person lab portion will consist of:

- Reviewing and answering questions over the material that was to be covered.
- A short discussion of the labs and possible techniques for solving them.
- Interactive lab time to work on solutions to the lab assignments with assistance if needed.

It is important that you complete the required reading and videos and attempt the labs prior to coming to the class meeting. This will enable you to get any in-person assistance and guidance you need to successfully complete the labs.

Assistance outside of the lab times will be via electronic resources. You must have read the materials, done the examples along with the videos, made an attempt at completing the lab and pushed your code to the assignment repo. I will look at your code and offer advice via the feedback pull request of the repo. That feedback item is a two-way street for you to comment and ask for clarification as well. If the written communication is not enough, we can set up an online meeting. In-person assistance with labs is during the scheduled lab time.

Labs:

Labs are assigned the week the material is covered and are due at 11:00 P.M. the second day after the in-person lab meeting. One week's assignment(s) may be submitted up to one week late with no penalty. Additional late assignments will receive a 50% grade reduction. ***You must inform your instructor if an assignment is submitted late*** or it will not be graded. ***Lab work will not be accepted if it is over one week late.*** You may use any accessible resource to complete labs as long as you are the one who actually does the work. Your instructor will answer any lab related questions without penalizing your grade.

Multiple Choice Quizzes:

There will be several multiple-choice quizzes throughout the class. The multiple-choice quizzes cover all the material in the textbook as well as instructional videos. Reading and studying the text is a great way to prepare for the quizzes. All multiple-choice quizzes are given online and must be completed

prior to the due date. Multiple choice quizzes are timed, and you will normally have one minute to read and answer each question. You may use your textbook as a reference when taking the quiz (open book). You may also use any notes that you created while studying the chapter. You may use online material (i.e. the chapter presentation or Google) while taking the multiple choice quizzes. You may not ask others for assistance on a test. ***Late quizzes are NOT accepted*** but your lowest quiz score will be dropped. You may ask your instructor for clarification on a question, but they will not answer the question for you.

Hands On Tests:

There will be several hands-on tests given during the semester. These are in-person tests that must be done in the presence of the instructor. The tests will be very similar to the lab assignments. The tests will be timed. Late hands-on tests will not be accepted. You must complete the hands-on tests on your own and you cannot ask others for assistance.

Class Participation

You are expected to complete all the reading and video tutorials prior to attending the lab session so that you may fully participate in the lab projects during lab time. Not preparing, not attending, not communicating, or not completing labs and other assignments will result in a low participation for that week.

Bonus Points:

You can earn bonus points by informing your instructor of typos or other errors in any of the class material that can be modified by your instructor. For each problem you find you will have 10% added to one of your lab assignments.

Assessment of Student Learning:

The labs and tests given during the semester will require the student to demonstrate the skills that they have acquired during the class. Successful completion of these will show that the student has learned the required material.

Time Needed for Classwork:

The average successful student will schedule 4 to 8 hours per week for reading and studying the text book and other supplemental material. The average successful student will schedule 6 to 12 hours per week to lab work and hands on tests.

Video Taping:

Unauthorized video or audio taping of the classroom lecture is strictly prohibited.

Withdraw Information:

Refund and withdrawal dates for this course can be found under the Calendars/Schedule link on the NSCC homepage (www.northweststate.edu). Select the semester and scroll down to the course

number. Withdrawing from a course can affect your financial aid eligibility. The student accepts full responsibility and consequences for withdrawing from classes.

ADA information:

Students should contact the Accessibility Services Office in office A105B or via phone at 419-267-1265 to coordinate reasonable accommodations arising from documented disabilities. Service dogs require coordination through the Accessibility Services Office. If you request an accommodation through the Accessibility Service Office, contact me privately to discuss your specific needs.

Early Admit Students Information:

- We do not provide extraordinary protection for the student who is a minor.
- We do not filter or monitor the computers on our campus.
- Class subject matter may contain provocative content.
- FERPA rights belong to the student.

Academic Honesty:

- The college's policy on academic honesty is covered in the college catalog
- Any form of academic dishonesty will not be tolerated
- The classroom is not a court of law – In the classroom the burden of proof lies on the defendant and not on the prosecutor
 - In other words the student needs to be able to prove they are not guilty
- Penalties:
 - 1st Offense – Automatic failing grade on the assignment which cannot be made up – Incident will be reported to the dean and placed in your record – Instructor has the option of giving the student a failing grade for the class
 - 2nd Offense – Automatic failure of the class – Incident will be reported to the dean and placed in your record
 - 3rd Offense – Expulsion

Title IX Responsibilities:

NSCC faculty are committed to supporting our students and providing an environment that is free of bias, discrimination, and harassment. If you have been the victim of sexual harassment/misconduct/assault we encourage you to report this. If you report this to a faculty member, she or he must notify NSCC's Title IX coordinator. The Title IX coordinator will assist the student in connecting with all possible resources both on and off campus.

Instructor Schedule:

I do not have regular office hours at the college, but I am willing to answer questions and assist students electronically. You will be required to push your code to the online repository for my review and I will comment on the issues and guide you to possible solutions to your issues. In some cases, we may also be able use videoconferencing and screen sharing if needed.

*Class Calendar:***ADD LINK***Changes to the Syllabus:*

The instructor reserves the right to change this syllabus. If changes are necessary, they will be announced online using either the class forum or email. It is the student's responsibility to regularly check their email and the class forums.