



NORTHWEST
MISSOURI STATE UNIVERSITY
MARYVILLE | KANSAS CITY

School of Computer Science and Information Systems
Computer Programming II
CS 44-241-01, 48 Contact Hours, 3 credit hours
5-Week Summer Session

Instructor: TBA
Email: TBA
Office Hours: TBA

Prerequisites:

CSIS 44141 (Computer Programming I) or Equivalent with a grade of C or better.

Textbook and/or Supplementary Materials:

Textbook: Liang, Y. Daniel. Introduction to Java Programming. Comprehensive Version. 9th Edition, Prentice Hall, 2013 or later version. All course material will be posted on Canvas.

Software: NetBeans with Java

Course Description:

Intermediate computer programming, design of algorithms and introductions to data structures.

Student Learning Outcomes

Assessment Methods

1. Develop problem-solving skills Labs, assignments, exams, quizzes	Labs, assignments,exams, quizzes
2. Demonstrate comprehension in fundamental concepts of programming	Labs, assignments,exams, quizzes
3. Demonstrate the ability to write Java programs to solve specified problems	Labs, assignments,exams, quizzes
4. Be able to use Java environment such as NetBeans platform to create, debug and execute Java programs	Labs, assignments,exams, quizzes
5. Be able to understand object-oriented programming concepts and be able to use appropriate Java Application Programming Interfaces (API)	Labs, assignments,exams, quizzes
6. Collaborate and communicate effectively as a member of a team	Class participation, labs, assignments

In addition, after successfully completing this course the student will be able to

- Analyze, design and write object-oriented programs to solve specified problems.
- Understand fundamentals of object-oriented programming in Java, including defining classes, instantiating objects, invoking methods, using related class libraries.
- Demonstrate proper error handling using exceptions.
- Create classes utilizing inheritance and polymorphism.
- Identify abstract classes and interfaces.
- Be able to use a Java environment such as NetBeans.
- Demonstrate knowledge of 1-and 2-dimensional arrays

Instructional Methods and Techniques:

Class time will be used in three ways:

- for instructor's lectures covering new concepts – this course follows the active learning concept
- for students to ask questions on assignments, reading, or previously covered topics
- for students to work on assignments with one-on-one tutoring from the instructor
- for quizzes and exams

Course Requirements:

Exams: Exams will be given during class time (required attendance) and must be taken on the scheduled day and time. Should a student FOR ANY REASON not be able to take an exam at the scheduled time, the instructor is to be contacted BEFORE the exam. All excused absence requests are subject to approval by the instructor. Make-up exams will be given only for valid and verifiable reasons. Written documentation for absences due to University-sponsored events and other excused absences must be provided upon instructor's request and discretion. Make-up exams must be completed by deadlines set by the instructor. It is the responsibility of the student to promptly notify his or her instructor when unable to take an exam at the scheduled time. All exams are closed book, closed notes. No calculators, cell phones, or other electronic devices can be used during exams or quizzes unless explicitly allowed by the instructor.

Quizzes: We will have quizzes in this class. Some quizzes will be announced, but other quizzes will not be announced. Quizzes will be given during class time (required attendance) and must be taken on the scheduled day and time. You will not be allowed to make up any quiz that you miss unless I receive a letter for a school sponsored activity or a doctor's notification that you were sick that day. Quizzes may occur during the first portion of the class. Therefore, if you show up late, you miss the quiz and receive a zero on the quiz.

Labs: We will have approx.9 lab sin this course. They will be posted on the course website and you will typically have about a week to ten days to complete them. You may talk freely with your classmates, instructor, and class/lab assistants regarding the labs, but the work you turn in must be your own. It is never permissible to copy another person's code. All labs must include the comments listed in the style guidelines on the website. Labs turned in late will receive no credit.

Module Exercises: Exercises will be assigned for every module, and will be posted on the course website. You are expected to complete these exercises and turn them in when requested/due. You may talk freely with your classmates, instructor and class/lab assistants regarding the completion of these class exercises. It is in your best interest to keep up with the class exercises. Exercises turned in late will receive no credit.

Miscellaneous Points: Miscellaneous points consist of any extra points that may be awarded (pop quizzes or other activities). These are not extra credit points.

Course Requirements/Grading Scale:

3 exams @ 80 pts	240 pts	A	90%
Quizzes	40-70 pts	B	80%
Approx. 9 labs @10 pts	90 pts	C	70%
Approx. 7 module exercises @ 10 pts	70 pts	D	60%
Approx 2 projects @ 20 pts	40 pts	F	below 60%

Final Exam
Approx Total

160 pts
640-670 pts

Your grades will be posted in the online course gradebook. Any concerns about any grade must be raised within seven days of their posting. You may not dispute a grade after 7 days. If ALL assignments/quizzes/projects/exams/extra credit are completed and your attendance is perfect, then your grade will be rounded following the mathematical rules of rounding. The instructor reserves the right to modify grading components, points, and/or grading scale at any time.

Due to the nature of this blended course, there will be a great deal of material on the Northwest Online website. You are responsible for this material, regardless of whether or not the material is presented in class. Students are expected to spend at least TWO (2) hours outside of class for each hour in class studying the textbooks and class notes and completing assignments.

Finals:

If you are not present for the final presentation, you will receive a 0 on the final project and presentation. If an emergency occurs that prevents the administration of a course scheduled final examination, the final course grades will be calculated based on the work in the course completed to that point in time and the faculty member's considered judgment. Final exams will not be rescheduled, and a grade of "I" will not be given as a result of an institutional cancellation of a final examination. This final exam policy does not apply to online courses.

Other Important Information:

Cell Phones: Cell phones may not be utilized during exams or quizzes. If you are found to have a cell phone out during an exam or quiz, this may be grounds for academic dishonesty. For this reason, you should turn off your cell phone during class and exams.

Attendance Policy:

Students are expected to attend all classes as specified in the course syllabi for each course. Attendance will be taken every class period. Exams, homework due, quizzes given, or in-class assignments completed during your absence may only be handed in at a later date for excused absences. Excused absences include attendance at a university sponsored event (documented with an excuse signed by the university sponsor prior to the event) or by circumstances considered adequately extenuating by the course instructor. During the semester, specific weeks will have projects assigned during which you will lose points if you have an unexcused absence as outlined on the course website.

It is the responsibility of the student to promptly notify his or her instructor when unable to attend class. Please refer to the university policy on attendance at <https://www.nwmissouri.edu/policies/academics/Attendance.pdf>

Course Outline/Major Topics Studied: See course [Modules](#)

Note: Course schedule is subject to change with instructor notification and students will be responsible for abiding by these changes.

Tentative Schedule:

Week	Module	Topics
1	1 – Java Programs & Loops and Methods	Input/output, numeric data, conditions, selection structures For, while, and do-while loops, random, printf, writing methods
2	2 – Arrays and Text Files	1D and 2D arrays, reading and writing files
3	3 – Classes & Inheritance	Designing classes, writing classes, uml, strings & Inheritance, instanceof, arraylists, polymorphism
4	4 – Abstract Classes and Interfaces	Abstract classes, interfaces, default methods, casting
5	5 - Exceptions	Exceptions, creating exceptions, debuggers

Syllabus Revisions: This syllabus is not a contract and is subject to changes at the discretion of the instructor to accommodate instructional and/or student needs. It is the sole responsibility of the student to maintain an updated course syllabus. However, students will be notified of any changes.

Academic Integrity Policy:

The students, faculty, and staff at Northwest endeavor to sustain an environment that values honesty in academic work, that acknowledges the authorized aid provided by and intellectual contributions of others, and that enables equitable student evaluation. Please refer to Northwest Missouri State University's Academic Integrity Policy at <http://www.nwmissouri.edu/policies/academics/Academic-Integrity.pdf>

The document entitled Academic Integrity in CSIS Classes, posted on the course website, clearly explains those types of behavior that would be considered academic dishonesty. You are responsible for reading this document and also the policy as stated in the Undergraduate Catalog and abiding by the guidelines described therein.

Note that plagiarism includes, but is not limited to, failure to give credit for help received on a homework assignment. Also note that all assignments are to be done individually, unless specified otherwise. You may talk to classmates and other students about an assignment, but you must do all the work yourself from beginning to end. Two or more students may sit down together and discuss an assignment as they are working on it, but each student must do his/her own work in completing the assignment. You cannot copy another person's code or written work.

Failure to follow these guidelines and the remaining guidelines described in the CSIS Academic Integrity Policy will be subject to the penalties described in the catalog.

Administrative Drop:

An instructor may request the Office of the Registrar delete a student from a course roster if the student has not met the prerequisite for the course as stated in the catalog, or as a result of non-attendance in the course.

Academic Administrative withdrawal: When it is in the best interest of Northwest Missouri State University for a student to withdraw, a student will be given a W, put on administrative hold, and given notice that they are about to be withdrawn. This action will result in removal of all credits associated with courses that have yet to be completed in the semester in question and the student will be administratively withdrawn from the University. An Administrative Withdrawal does not affect the student's grade point average. Please refer to Northwest Missouri State University's Academic Administrative Withdrawal Policy at:

<https://www.nwmissouri.edu/policies/academics/Adding-Dropping-Withdrawals.pdf>

University Communications:

Students are expected to use their Northwest student email account for any electronic correspondence within the university. Students are also strongly advised to check their email and CatPAWS accounts on a regular basis.

Learning or Living Accommodations Request Process: Northwest Missouri State University complies with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990 [ADA] and the ADA Amendments Act of 2008 [ADAAA]. If a student has a documented disability that qualifies under the ADA/ADAAA and requests accommodations, they should review the Accessibility and Accommodations webpage at

<https://www.nwmissouri.edu/titleixequity/accessibility/index.htm> for guidance, including the accommodations application and supporting documentation requirements. Contact ada@nwmissouri.edu or 660.562.1873 for further assistance. For the university policy on disability accommodation refer to <http://www.nwmissouri.edu/policies/student/Disability-Accommodation.pdf>

Non-Discrimination and Anti-Harassment Policy

Northwest Missouri State University is committed to maintaining an environment for all faculty, staff, students, and third parties that is free of illegal discrimination and harassment. Please refer to the Non-Discrimination and Anti-

Harassment Policy at <http://www.nwmissouri.edu/diversity/titlevi.htm>

Family Educational Rights and Privacy Act (FERPA) Policy

Family Educational Rights and Privacy Act of 1974, as amended (commonly known as the Buckley Amendment), is a federal law which provides that colleges and universities will maintain the confidentiality of student education records. Please refer to the Family Educational Rights and Privacy Act (FERPA) Policy at <http://www.nwmissouri.edu/policies/academics/Family-Educational-Rights-and-Privacy-Act.pdf>