

CS120: Computer Science II, Fall 2018
Weisberg Division of Computer Science
Marshall University

Course Information:

- Instructor: Dr. Cong Pu (Ph.D., Assistant Professor)
- Office: Weisberg Applied Engineering Complex (WAEC) 3109
- Phone: (304) 696-6204
- Email: puc@marshall.edu
- Course meetings: Tue/Thu, 9:30 a.m. – 10:45 a.m., WAEC 2119
- Tentative office hours: Mon, 2:00 p.m. – 4:00 p.m.
Tue, 1:00 p.m. – 5:00 p.m.
Thu, 1:00 p.m. – 5:00 p.m.
Or by appointment.
- Course web page: (MUOnline) <http://www.marshall.edu/muonline/>. It is important to visit MUOnline regularly for up-to-date course information.

Course Description: From Catalog

- Object-oriented analysis and design, advanced programming with classes, arrays, strings, sorting, searching, I/O, GUI development, system life cycle and software development methodologies.

Prerequisites:

- CS110

Course Student Learning Outcomes: The table below shows the following relationships: How each student learning outcomes will be practiced and accessed in the course.

Course Student Learning Outcomes	How students will practice each outcome in this course	How student achievement of each outcome will be assessed in this course
Understand OOP concept and apply Object Oriented Design principle to solve problems following software engineering process (a, b, e)	Lecture Example In-class exercise Lab exercise	Assignment Review Quiz Exam
Create object oriented classes that effectively separate and hide implementation details from client applications (a, c, e, k)	Lecture Example In-class exercise Lab exercise	Assignment Review Quiz Exam
Create interactive GUI application using Java programs in group (d, e, g, k)	Lecture Example In-class exercise Lab exercise	Assignment Review Quiz Exam Project

ABET a-i: <http://www.abet.org/accreditation/accreditation-criteria/criteria-for-accrediting-computing-programs-2017-2018/#outcomes>

Preferred Communication Method and Expected Response Time:

- You can always see me during office hours. No appointment is required.
- You can generally expect an email response within 12 hours. If you don't get a response within 12 hours, please forward your previous email to me to remind me.
- You can generally expect the feedback on assignment, review quiz, and exam in one week after submission. If you don't receive the feedback in two weeks, please send an email to me.

Required Textbooks, Additional Reading, and Other Materials:

- A list of reference books will be used. For more information, please refer to the following resources:
 - Bruce Eckel. Thinking in Java. Prentice Hall. 4th Edition. ISBN-10: 0131872486. ISBN-13: 978-0131872486.
 - Joel Murach, Anne Boehm, Mary Delamater. Murach's Java Programming. Mike Murach & Associates. 5th Edition. ISBN-10: 1943872074. ISBN-13: 978-1943872077.
 - Herbert Schildt. Java: The Complete Reference. McGraw-Hill Education. 10th Edition. ISBN-10: 1259589331. ISBN-13: 978-1259589331.
- Important concepts/materials will be included in the lecture notes from various sources, and posted on MUOnline.

Course Requirements and Grading Policy:

- **1st Midterm Exam: 15%, Oct 02 (Tuesday), 9:30 a.m. - 10:45 a.m., WAEC 2119**
- **2nd Midterm Exam: 15%, Nov 01 (Thursday), 9:30 a.m. - 10:45 a.m., WAEC 2119**
- **Final Exam: 15%, Dec 11 (Tuesday), 8:00 a.m. – 10:00 a.m., WAEC 2119**
 - Closed book and closed notes. You are required to bring your student ID for the exams.
 - There will be **NO** make-up for missing exam. Only university excused absences with appropriate **DOCUMENTATION** will be accepted for make-up exam.
 - If you want to take a conflict exam, you must talk to instructor and provide a valid document at least two weeks before the scheduled exam. The conflict exam must be taken within two days after the scheduled exam.
- **Review Quiz: 15%**
 - Review quiz will **NOT** be announced in advance, so attendance is highly required.
 - There will be **NO** make-up for missing review quiz. Only university excused absences with appropriate **DOCUMENTATION** will be accepted for make-up review quiz.
- **Lab Assignment: 20%**
 - Lab assignment should be **SUBMITTED** on **Blackboard** before deadline. Other submission methods are **NOT** accepted.
 - **LATE** submission will **NOT** be accepted on Blackboard, since the submission link will be closed automatically.
- **Homework: 10%**
 - Homework should be **SUBMITTED** on **Blackboard** before deadline. Other submission methods are **NOT** accepted.
 - **LATE** submission will **NOT** be accepted on Blackboard, since the submission link will be closed automatically.

- **Team Project: 10%**
 - Team project should be **SUBMITTED** on **Blackboard** before deadline. Other submission methods are **NOT** accepted.
 - **LATE** submission will **NOT** be accepted on Blackboard, since the submission link will be closed automatically.
 - Each team can have a maximum of two members.
 - Instructor expect and encourage **Equal** contribution and participation to team project. However, all the contribution related issues will be solved by team members only, without instructor involvement.
- Plagiarism Detection:
 - Plagiarism or cheating will not be tolerated, and will result in immediate dismissal (F grade).
- Grade Scale:
 - A (100 - 90), B (89 - 80), C (79 - 70), D (69 - 60), and F (59 - 0)

Attendance and Classroom Policy:

- Students are expected to attend punctually all class meetings, from the beginning of the semester until the end of the semester. **After THREE unexcused absences, your grade will be decreased by ONE letter grade and for every two absences afterwards.**
- If a student misses a class without university excused absence, the student should not expect individualized instruction what was missed. This will be effective from the beginning of semester.
- Students are expected to assist in maintaining a classroom environment that is conducive to learning. In order to assure that all students have the opportunity to gain from time spent in class, unless otherwise approved by the instructor, students are prohibited from engaging in any other form of distraction. Inappropriate behavior in the classroom shall result, minimally, in a request to leave class.
- Inappropriate behaviors include but not limited to:
 - Late for class
 - Sleeping during class
 - Leaving without proper excuse
 - Web surfing, chatting, or gaming on electric devices

Marshall University Policy: By enrolling in this course, you agree to the University Policies. Please read the full text of each policy (listed below) by going to [Academic Affairs: Marshall University Policies](http://www.marshall.edu/academic-affairs/policies/). (URL: <http://www.marshall.edu/academic-affairs/policies/>)

- Academic Dishonesty Policy
- Academic Dismissal Policy
- Academic Forgiveness Policy
- Academic Probation and Suspension Policy
- Affirmative Action Policy
- Dead Week Policy
- D/F Repeat Rule
- Excused Absence Policy for Undergraduates
- Inclement Weather Policy
- Sexual Harassment Policy
- Students with Disabilities (Policies and Procedures)

- University Computing Services Acceptable Use Policy

Course Schedule: Topics and/or dates may be changed during the semester at the instructor's discretion because of scheduling issues, developments in the discipline, or other contingencies.

- Aug 21: Welcome & The History and Evolution of Java
- Aug 23: An Overview of Java
- Aug 28: An Overview of Java
- Aug 30: Date Types, Variables, and Arrays
- Sep 04: Date Types, Variables, and Arrays
- Sep 06: Operators
- Sep 11: Operators
- Sep 13: Control Statements
- Sep 18: Classes
- Sep 20: Classes
- Sep 25: Method and Classes
- Sep 27: Method and Classes
- **Oct 02: 1st Midterm Exam, 9:30 a.m. - 10:45 a.m., WAEC 2119**
- Oct 04: Inheritance
- Oct 09: Inheritance
- Oct 11: Package and Interfaces
- Oct 16: Package and Interfaces
- Oct 18: Exception Handling
- Oct 23: Exception Handling
- Oct 25: Graphical User Interfaces
- Oct 30: Graphical User Interfaces
- **Nov 01: 2nd Midterm Exam, 9:30 a.m. - 10:45 a.m., WAEC 2119**
- Nov 06: I/O and Applets
- Nov 08: I/O and Applets
- Nov 13: Multithreaded Programming
- Nov 15: Multithreaded Programming
- **Nov 20: Thanksgiving Break – University Closed**
- **Nov 22: Thanksgiving Break – University Closed**
- Nov 27: String Handling
- Nov 29: String Handling
- Dec 04: "Dead week"
- Dec 06: "Dead week"
- **Dec 11: Final Exam, 8:00 a.m. – 10:00 a.m., WAEC 2119**