



Chaminade University

OF HONOLULU

Course Syllabus

Course Number: CS 205

Course Title: Programming II

Department Name: Computer Science

College/School/Division Name: Natural Sciences and Mathematics

Term: Fall 2026

Course Credits: 3

Class Meeting Days: Monday, Wednesday, and Friday

Class Meeting Hours: 8:30am-9:20am HST

Class Location: Data Science Center

Instructor Name: Andrew Solis, MS

Email: andrew.solis@chaminade.edu

Phone: 210-452-1600

Office Location: Data Science Center or Zoom

Office Hours: MTWThF 12:00pm-1:00pm or by Appointment

1. University Course Catalog Description

This course will introduce the concepts, principles, techniques, standards and best practices, and methods of software engineering to design and develop high-quality and cost-effective software products and systems. This course will utilize computer architecture, data structures, and object-oriented approaches. Students in this course will learn an overview to design and develop software products and systems; software life cycle; specifications; cost and effort estimation; and tools to effectively analyze, design, test, and maintain software.

2. Course Overview

This course is an introduction to Java programming used in computer science that will cover topics and language on Java programming, object-oriented programming, and parallelism. This course will prepare students for the next computer science courses and practice by providing students with knowledge, techniques, skills, and a computer science mindset. Students in this course will learn Java coding, object-oriented programming, and parallelism strategies and techniques, design, development, and evaluation.

3. Program Learning Outcomes

Upon completion of the undergraduate B.S. program in Computer Science, students will be able to:

1. Describe foundational computer organization, architecture, computing resources, and systems;
2. Describe foundational mathematical concepts and operations towards design, development, and analysis of applications;
3. Apply programming language towards application development;
4. Integrate an awareness of ethical issues and collective standards to positively influence the application of data science to service, justice and peace in working towards solutions for societal problems.

4. Course Learning Outcomes and Linkage to Program Learning Outcomes

Students who successfully complete this course will be able to:

Course Learning Outcomes	PLO 1	PLO 2	PLO 3	PLO 4
1. Understand the Java compilation process from source code to executable.	I/R/A	I/R/A		I/R/A
2. Understand the use and benefits of variables.	I/R/A		I/R/A	
3. Learn method behaviors and library classes.		I/R/A	I/R/A	
4. Implement decision statements.		I/R/A	I/R/A	
5. Use loop statements.		I/R/A	I/R/A	
6. How to construct a class.	I/R/A	I/R/A	I/R/A	
7. Use arrays and handle exceptions.	I/R/A	I/R/A	I/R/A	
8. Develop java-based software programs.	I/R/M/A	I/R/M/A	I/R/M/A	I/R/M/A
9. Have a basic understanding of OOP.	I/R/A	I/R/A	I/R/A	I/R/A

5. Course Prerequisites

NA

6. Required Learning Materials

Learning materials will be provided through edstem and Canvas. This includes lecture materials, homework, and grades, Zoom, and IntelliJ application.

7. Course Website:

All assignments and materials will be submitted via **edstem** and grades uploaded to **Canvas Course Management System** unless stated otherwise. The assignments are to be clear, professional quality, and must be submitted in the requested format or the work will receive zero points. Please familiarize yourself with Canvas and edstem and visit the site regularly as materials, grades, announcements, and submission of assignments will be on both sites.

8. Technical Assistance for Canvas Users:

Search for help on specific topics at help.instructure.com. [Chat live with Canvas Support 24/7/365](#). Watch this [video to get you started](#) with online guides and tutorials. Contact the Chaminade IT Helpdesk for technical issues: helpdesk@chaminade.edu, or call (808) 735-4855. For any issues with edstem please reach out to me at my e-mail provided.

9. Assessment.

Assessments	Points
Participation and Communication	10
Homework Assignments (7x)	35
Quizzes (7x)	35
Final project	20
Total	100

10. Grading Scale

Letter grades are given in all courses except those conducted on a credit/no credit basis. They are interpreted as follows:

A 90-100%	90 points or more: Outstanding scholarship and an unusual degree of intellectual initiative
B 80-90%	80-89 points: Superior work done in a consistent and intellectual manner
C 70-80%	70-79 points: Average grade indicating a competent grasp of subject matter
D 60-70%	60-69 points: Inferior work of the lowest passing grade, not satisfactory for fulfillment of prerequisite course work.
F <60%	59 points or less: Failed to grasp the minimum subject matter; no credit given

Feedback and grades on course deliverables (e.g., assignments, projects, quizzes, etc.) will be provided in the “Grades” of Canvas. Response time will take place up to 3 days.

11. Course Schedule

Date	Lesson	Assignment
8/17 – 8/21	- Orientation of the class and introduce syllabus. - Everyone introduces themselves. - Introduce edstem, canvas, IDE’s, and Java - What is Java? - Hello World Program	
8/24 - 8/28	- What does a Java Program Look like - Object Oriented Programming	
8/31 – 9/4	Variables	Quiz 1

	- Numeric Data - Text Data	Assignment 1 Due
9/7 – 9/11	9/7 - <i>Holiday</i> - Converting Data Types (Casting) - Keyboard Input - Methods	
9/14 – 9/18	- Import and packages - String Class - Random Class	Quiz 2 Assignment 2 Due
9/21 – 9/25	- Math Class - Booleans and if/else - Conditional execution	Quiz 3
9/28 – 10/2	- Switch Statement - For Loops - While and do-while loops	Assignment 3 Due Quiz 4
10/5 – 10/9	- Break and continue statements - Creating a Class - Instantiating Objects	Assignment 4 Due Quiz 5
10/12 – 10/16	<i>Fall Wellness Week</i>	
10/29-10/23	- Constructors - Overloading Methods	Assignment 5 Due
10/26-10/30	- Object Interaction and Encapsulation - Static Variables and Methods	
11/2-11/6	- One-dimensional Arrays - ArrayLists - Exception Handling	Quiz 6 Assignment 6 Due
11/9-11/13	11/11 – <i>Holiday</i> - Special Topics	Quiz 7 Assignment 7 Due
11/16-11/20	Work on project – Check-in	
11/23-11/27	11/26 – 11/27 - <i>Holiday</i> - Work on project – Check-in	
11/30 – 12/4	Final Project Presentations	Final Projects Due
12/7-12/10	Finals Week	Finals Week

Time Allocation:

This is a three-credit course requiring a minimum of 135 clock hours of student engagement, per the official CUH Credit Hour Policy. Students enrolled in this course are anticipated to spend 37.5 hours in class and 48 hours research and completing a project. There will be an additional 49.5 hours of work required beyond what is listed here (course readings, assignments, etc.), averaging 3.3 hours each week.

Course Changes: The instructor reserves the right to change the course instruction, schedule, deadlines, course requirements, and grading throughout the semester. Changes will be announced through email or Canvas Course Management System.

12. Alignment of Natural Sciences Courses with Marianist and Hawaiian values of the University.

The Natural Sciences Division provides an *integral, quality education*: sophisticated integrative course content taught by experienced, dedicated, and well-educated instructors.

- We *educate in family spirit* – every classroom is an *Ohana* and you can expect to be respected yet challenged in an environment that is supportive, inclusively by instructors who take the time to personally get to know and care for you.

- We *educate for service, justice and peace*, since many of the most pressing global issues (climate change, health inequity, poverty, justice) are those which science and technology investigate, establish ethical parameters for, and offer solutions to.
- We *educate for adaptation and change*. In science and technology, the only constant is change. Data, techniques, technologies, questions, interpretations and ethical landscapes are constantly evolving, and we teach students to thrive on this dynamic uncertainty.

The study of science and technology can be formative, exploring human creativity and potential in the development of technologies and scientific solutions, the opportunity to engage in the stewardship of the natural world, and the opportunity to promote social justice. We provide opportunities to engage with the problems that face Hawai'i and the Pacific region through the Natural Sciences curriculum, in particular, those centered around severe challenges in health, poverty, environmental resilience, and erosion of traditional culture. The Marianist Educational Values relate to Native Hawaiian ideas of *mana*, *na'auao*, *ohana*, *aloha* and *aina*. We intend for our Natural Sciences programs to be culturally-sustaining, rooted in our Hawaiian place, and centered on core values of *Maiau*, be neat, prepared, careful in all we do; *Makawalu*, demonstrate foresight and planning; *'Ai*, sustain mind and body; *Pa'a Na'au*, learn deeply.

13. Additional departmental and university policies

13.1. Late Work Policy

Requests for extensions due to extenuating circumstances (medical problems, for example) will be considered, but work received after the deadline will not be graded. Computer problems are not an excuse for late work.

13.2. Grades of "Incomplete"

Students and instructors may negotiate an incomplete grade when there are specific justifying circumstances. An Incomplete Contract (available from the Divisional Secretary and the Portal) must be completed. When submitting a grade the "I" will be accompanied by the alternative grade that will automatically be assigned after 90 days. These include IB, IC, ID, and IF. If only an "I" is submitted the default grade is F. The completion of the work, evaluation, and reporting of the final grade is due within 90 days after the end of the semester or term. This limit may not be extended.

13.3. Writing Policy

Paper requirements and formatting will be discussed during the course when the assignment is given.

13.4. Instructor and Student Communication

Questions for this course can be emailed to the instructor at andrew.solis@chaminade.edu. Online, in-person and phone conferences can be arranged. Response time will take place up to 3 days.

The University provides a Chaminade email address for all students. Official Chaminade communications will be sent to the students' Chaminade email address and instructors will use only this email to communicate with students. It is the responsibility of the student to check their email frequently. Report email-related problems to the Helpdesk at 808-735-4855 or helpdesk@chaminade.edu

13.5. Cell phones, tablets, and laptops

Music Devices and Cellular Phones: Unless specifically permitted by your instructor, use of music devices and cell phones is prohibited during all Natural Science and Mathematics classes, as it is discourteous and may lead to suspicion of academic misconduct. Students unable to comply will be asked to leave class. Out of consideration for your classmates, please set your cell phone to silent mode during class. Students are encouraged to bring laptops or tablets to class as the instructor will assign online activities and readings that will require the use of a laptop or tablet. Laptops and tablets should not be misused, such as checking distracting websites. Use your best judgment and respect your classmates and instructor.

13.6. Student with Disabilities Statement- Kōkua ‘Ike

Accessibility Services recognizes disability as a valued aspect of diversity and ensures equal access to the educational environment in accordance with Section 504 of the Rehabilitation Act; the Americans with Disabilities Act, as amended; and the principles and professional standards of the Association on Higher Education and Disability. Access is supported through reasonable accommodations and referrals to campus and community resources.

Appointments with the Accessibility Services Coordinator are available through Stellic at <https://chaminade.stellic.com> and may be held virtually or in person. Drop-in appointments are also welcome. Students seeking support must meet with the Accessibility Services Coordinator as early as possible, even if they are unsure whether they have appropriate documentation of their disability or its impacts. The Accessibility Services Coordinator prioritizes listening to students’s experiences and will discuss any documentation needs during the initial intake meeting. Students may seek support at any time.

Learn more at <https://chaminade.edu/ada-accommodations>

13.7. Title IX Compliance

Chaminade University of Honolulu is committed to providing a learning, working and living environment that promotes the dignity of all people, inclusivity and mutual respect and is free of all forms of sex discrimination and gender-based violence, including sexual assault, sexual harassment, gender-based harassment, domestic violence, dating violence, and stalking. As a member of the University faculty, I am required to immediately report any incident of sex discrimination or gender-based violence to the campus Title IX Coordinator. For pregnant and parenting students, I am also obligated to provide you with similar resources for support and protections available to you. My goal is to make sure that you are aware of the range of options available to you and have access to the resources and support you need.

13.8. Nondiscrimination Policy & Notice Nondiscrimination

The university is committed to comply with all State and Federal statutes, rules, and regulations which prohibit discrimination. The university is committed to a policy of nondiscrimination on the basis of race, sex, gender identity and expression, age, religion, color, national origin (including shared ancestry and ethnic characteristics), ancestry, citizenship, disability, genetic information, marital status, breastfeeding, arrest and court record (except as permissible under State law), sexual orientation, or status as a covered veteran. Inquiries about Title IX or general Civil Rights concerns may be referred to the University’s Title IX Coordinator, the U.S. Department of Education’s Office for Civil Rights, or both and contact information may be found [HERE](#). *On-campus Confidential Resources may also be found here at [CAMPUS CONFIDENTIAL RESOURCES](#).*

The University’s Nondiscrimination Policy and Grievance Procedures can be located on the University webpage at: <https://chaminade.edu/compliance/title-ix-nondiscrimination-policies-procedures/>.

To report information about conduct that may constitute sex discrimination or make a complaint of sex discrimination under Title IX, please refer to the [Campus Incident Report form](#). Chaminade University of Honolulu prohibits sex discrimination in any education program or activity that it operates.

The NOTICE of NONDISCRIMINATION can be found here: [Notice of Nondiscrimination](#).

13.9. CUH Alert Emergency Notification

To get the latest emergency communication from Chaminade University, students’ cell numbers will be connected to Chaminade’s emergency notification text system. When you log in to the Chaminade portal, you will be asked to provide some emergency contact information. If you provide a cellphone number, you will receive a text from our emergency notification system asking you to confirm your number. You must respond to that message to complete your registration and get emergency notifications on your phone.

13.10. Assessment for Student Work

With the goal of continuing to improve the quality of educational services offered to students, Chaminade University conducts assessments of student achievement of course, program, and institutional learning

outcomes. Student work is used anonymously as the basis of these assessments, and the work you do in this course may be used in these assessment efforts.

13.10. Kōkua ‘Ike: Tutoring & Learning Services

Chaminade is proud to offer free, one-on-one tutoring and writing assistance to all students. Tutoring and writing help is available on campus at Kōkua ‘Ike: Center for Student Learning in a variety of subjects (including, but are not limited to biology, chemistry, math, nursing, English, etc.) from trained Peer and Professional Tutors. Please check [Kōkua ‘Ike’s](#) website for the latest times, list of drop-in hours, and information on scheduling an appointment. Free online tutoring is also available via TutorMe. Tutor Me can be accessed 24/7 from your Canvas account. Simply click on Account > TutorMe. For more information, please contact Kōkua ‘Ike at tutoring@chaminade.edu or 808-739-8305.

13.11. Attendance Policy

The following attendance policy is from the 2024-2025 Academic Catalog: Students are expected to attend regularly all courses for which they are registered. Student should notify their instructors when illness or other extenuating circumstances prevents them from attending class and make arrangements to complete missed assignments. Notification may be done by emailing the instructor’s Chaminade email address, calling the instructor’s campus extension, or by leaving a message with the instructor’s school office (Natural Science and Math 1 (808) 440-4204). It is the instructor’s prerogative to modify deadlines of course requirements accordingly. Any student who stops attending a course without officially **withdrawing** may receive a failing grade.

Unexcused absences equivalent to more than a week of classes may lead to a grade reduction for the course. Any unexcused absence of two consecutive weeks or more may result in being **withdrawn** from the course by the instructor, although the instructor is not required to **withdraw** students in that scenario. Repeated absences put students at risk of failing grades.

Students with disabilities who have obtained accommodations from the Chaminade University of Honolulu ADA Coordinator may be considered for an exception when the accommodation does not materially alter the attainment of the learning outcomes. Federal regulations require continued attendance for continuing payment of financial aid. When illness or personal reasons necessitate continued absence, the student should communicate first with the instructor to review the options. Anyone who stops attending a course without official withdrawal may receive a failing grade or be withdrawn by the instructor at the instructor’s discretion.

13.12. Academic Conduct Policy

See the current Undergraduate Academic Catalog and the Student Handbook available from Student Affairs.

13.13. Hazing Prevention Resources and Athlete Helpline

Assists athletes, parents, coaches, and any allies interested in ensuring physical and mental safety for sports communities by offering confidential emotional support, crisis intervention, informational athlete-focused resources, and guidance related to concerns about any type of abuse—including hazing.

Chaminade University’s Hazing Policy: <https://catalog.chaminade.edu/studenthandbook/codeofconduct>
<https://hazingpreventionnetwork.org/athlete-helpline/>
<https://hazingpreventionnetwork.org/how-to-report-hazing/>

Basic Needs Resources: <https://chaminade.edu/basic-needs/>

13.14. Marianist Values

An education in the Marianist Tradition is marked by five principles. Reflect on how this course relates to one or more:

1. Education for formation in faith.
2. Provide an integral, quality education.
3. Educate in family spirit.
4. Educate for service, justice and peace, and integrity of creation.
5. Educate for adaptation and change.

This course should be to give you the ability to develop applications that can help you serve the wider community and learn to use your experience for greater goods.

13.15. Academic Honesty

Academic honesty is an essential aspect of all learning, scholarship, and research. It is one of the values regarded most highly by academic communities throughout the world. Violations of the principle of academic honesty are extremely serious and will not be tolerated.

Students are responsible for promoting academic honesty at Chaminade by not participating in any act of dishonesty and by reporting any incidence of academic dishonesty to an instructor or to a University official. Academic dishonesty may include theft of records or examinations, alteration of grades, plagiarism, and unauthorized and/or undisclosed AI usage, in addition to more obvious dishonesty. See catalog section Student Use of Artificial Intelligence in Academic Work for further information.

Questions of academic dishonesty in a particular class are first reviewed by the instructor, who must make a report with recommendations to the Director of the Academic College. Punishment for academic dishonesty will be determined by the instructor, Director, and the Dean of Academic College and may include an “F” grade for the work in question, an “F” grade for the course, academic notice, or dismissal from the University.

13.16. Artificial Intelligence Statement

Chaminade University recognizes the increasing role of artificial intelligence (AI) technologies in academic and professional environments. AI encompasses, but is not limited to, generative AI platforms, automated writing or content generation software, coding assistants, and similar tools. Students must ensure all submitted work genuinely reflects their knowledge and effort. Using AI to produce or significantly complete graded assignments, exams or other academic tasks – defined as use that substitutes for or substantially replaces a student’s own analysis, reasoning or written expression – without explicit instructor approval is considered academic misconduct and will be dealt with according to the University’s Academic Honesty Policy.

If an instructor has reasonable grounds to question whether submitted work genuinely reflects a student's own knowledge, authorship, or mastery of course material — or whether it meets the course's expectations for AI use — the instructor may require the student to provide additional or alternative evidence of authorship and content mastery. Such evidence may include drafts, notes, revision history, source materials, process explanations, oral discussion, in class work, or completion of an alternative assessment. A student’s refusal or inability to provide such evidence may be considered, along with other available information, in evaluating whether the work meets course requirements and stated learning outcomes. Instructors will not rely solely on AI detection software or other automated tools in making grading or academic integrity determinations. Such determinations will be based on the totality of the available information and handled in accordance with applicable University policies and procedures. See the catalog section Student Use of Artificial Intelligence in Academic Work for further information.