

MIS 7397: Object-Oriented Programming

Spring 2022

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Office Hours

Monday / Wednesday 10:00 AM to 11:30 AM via Zoom. This is the zoom link:

<https://uh-edu-cougarnet.zoom.us/j/96965487666?pwd=UGluTzR2OWIGckZTYnZtQnZQaWtNUT09>

Or by Appointment

Course Focus

This is a beginning programming course that uses Java to help you understand programming concepts, such as an object orientation, routine (method) calls, conditional logic, looping logic, file handling, and effective programming. Therefore, we will not cover many aspects of the Java language that would be important if we were learning Java itself. For example, we will not cover how to create Java applets (that can be used on the Web), how to create and use windows-based forms, graphics, etc.

Required Textbook and Materials

- Farrell, Joyce *Java Programming, 9th Edition*, Course Technology, Inc., 2019, ISBN-13: 978-1337397070 (hard copy) or 978-0357192757 e-book. Some explanations and clarifications associated with portions of the text can be found in the *Book Notes* document within the *Chapter Replacements, Additions, & Book Notes* section of Blackboard. These explanations and clarifications are **VERY IMPORTANT**. For example, these notes indicate sections and concepts for which you will **NOT** be held accountable (i.e., they won't be on any quiz or exam). You should print off the *Book Notes* and make changes to your text as soon as you can.
- **Student Files** that accompany this text can be found in the *Student Textbook Files* folder within the *Lectures & Student Files* section in Blackboard.
- In the last weeks of the course we will be covering Sequential File Handling, Database, and Modularization concepts that are not included in the text and/or go beyond that included in the text. Information that you will need can be found in the *Sequential Files, Database, and the Modularization* folders that are in the *Chapter Replacements, Additions, & Book Notes* section in Blackboard.

Computer Hardware and Software

- PCs with the appropriate software are available in the Bauer Division of Technology labs. If you plan to work with your own computer, you should download Java and some Java development environment. For this course I will be using TextPad. What you choose to use is irrelevant. NetBeans, jDeveloper, Eclipse, et al are available for free downloads from the web. Instructions for installing these software packages are contained in the document *Installing Software on your Computer – Netbeans* that can be found within the *General Course Information* section of Blackboard. Instructions for using NetBeans is in the document *Using NetBeans* that can be found within the *General Course Information* section of Blackboard.
- Java code associated with the text is located in Blackboard; see **Student Files**, above.
- This class is online asynchronous. You will therefore need a **good Internet connection**. The following links provide helpful information in that regard:
 - <https://uh.edu/infotech/about/planning/off-campus/improve-internet-connection/>
 - <https://uh.edu/online/students/remote-learning/>
 - <https://uh.edu/blackboard/help/>

Course Evaluation

- **Regular Credit:**
 - **Exams.** There are two exams that make up 50% of your final grade. The exams are weighted equally: Exam 1 = 25% & Exam 2 = 25%.
 - **Quizzes.** There are two quizzes that make up 40% of your final grade. Each quiz will be weighted equally Quiz 1 = 20% & Quiz 2 = 20%.
 - **Weekly Quizzes.** There will be a weekly quiz that in total will constitute 10% of your grade. Each one individually will not be a significant impact. The accumulated totals will be what is important.
- **Median Adjustment:** If the class median for an *exam* or *quiz* is less than 80, an adjustment will be made to achieve an 80 median. This adjustment does **NOT** apply to make-up exams or quizzes. If the class median is above 80, then there will be no class adjustment.
- **Make-up exams or quizzes:** You may elect to take a make-up for any exams or quizzes. No reason for taking a make-up needs to be provided to your instructor. Merely contact your instructor as soon as you can after the exam or quiz administration to set a make-up date and time. Note, however, there will be no median adjustment for make-up quizzes and exams.
- **Rounding:** Your overall Class Grade (the weighted total of Exams, Quizzes, and Daily Grades) will be rounded up to the nearest whole number when the value in the tenths place is equal to or greater than 0.5.
- **Final Grading Scale**

A.....	90-100%	B.....	80-89%	C.....	70-79%	D.....	60-69%
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- There is **NO Extra Work or Credit**. At the end of the semester, there will be individuals who are very close to a higher grade, but who do not make the cutoff. We understand how frustrating this will be; however, in order to be fair to all students, there is no mechanism that those individuals can use to receive the higher grade.
- **Testing environment:** All quizzes and exams will be online and will require a webcam and good internet connection. The Exams will be administered using LockDown browser within Blackboard. The quizzes will be administered via CASA Monitor. To each of these you will need to bring:
 - your student ID card or driver's license (with a picture that looks like you and with the name that appears on the class roll), pencils with good erasers,
 - **ONE** 8½ x 11 sheet of paper with notes on both sides.
 - **ONE** 8½ x 11 sheet of paper that is BLANK on both sides.

Exams

- Exams are cumulative and are based on the text, assignments, and class discussions. Exams will be online and **require a functioning webcam**.
- To each exam, bring:
- **THE SCHEDULED TIME ALLOWED FOR THE EXAMS INCLUDES BUBBLING IN THE ANSWERS. NO ADDITIONAL TIME WILL BE GIVEN. WHEN THE ALLOTTED TIME IS UP, THE EXAMS WILL BE CLOSED. ANSWERS ON THE ANSWER SHEET ARE CONSIDERED FINAL.**
- Exams will **NOT** be handed back nor will answers be posted on the web. Within two weeks of Exam 1 scores being posted, you may see your exam by visiting your instructor. You may see your Exam 2 scores by visiting your instructor during the first two weeks of the **next** semester. You may contest your exam grade **ONLY** during these two-week periods; you may not contest your exam grade after that time.

Quizzes

- Quizzes are cumulative and are based on the text, assignments, and lecture discussions.
- Allowable Code: Many of you are familiar with Java of one sort or another and will be able to solve quiz and exam problems using concepts and techniques that haven't been introduced by the assigned readings or lectures. However, we are interested in determining the value added by **THIS** class. Therefore, you will **ONLY** be given credit for work that employs concepts and techniques that have been introduced during lectures, assignments, or in the assigned text chapters.
- Each quiz will be online using CASA Monitor. This is an open book / notes quiz. You will be allowed to use your JDE to generate and compile your code. You are **required to have a functioning webcam** for your computer. If you do not use CASA Monitor to proctor the quiz, you will not receive credit for your submitted answer.
- You may contest your quiz grade by visiting with your instructor **ONLY** within a two week window of the quiz answers being posted; you may not contest your quiz grade after that time.

Weekly Quiz

- At the end of every week's assignments, there will be a graded quiz. This will be covering material presented in that week's lectures and assignments. They will typically be composed of 5 to 20 questions.

Weekly Assignments (Chinese Proverb: I hear, I forget. I see, I forget. I do, I remember)

The best way to learn about a computer language is to actually use it. During this course, you will have assignments for every chapter. They are **not to be turned in and will not be graded**. However, past experience has shown that students who do not **properly** complete the assignments are **not likely to pass this course!** Though the assignments themselves will not be part of any lecture, feel free to raise any questions regarding assignments during office hours. Your assignments and their answers can be found in the *Assignment Questions* and the *Assignment Answers* folders in the *Assignments* section of Blackboard. Do **NOT** look at the answers until you are sure that you have done everything correctly. **5 MINUTE RULE:** When you get stuck, work on getting "unstuck" for no more than 5 minutes, and then **ASK** someone (your professor, the ASA, your friend) for help in order to get unstuck. Then continue working on the assignment by yourself (until you get stuck again).

Class Lectures

- Notes, PowerPoint, etc. used during class lectures are posted on Blackboard. Look for these within the *Lectures & Lecture Material* folder in the *Lectures & Student Files* section on Blackboard.
- Class lecture examples & exercises may begin with code provided in the text. It is therefore important for you to have your text available in every class meeting.

Class Announcements

- Announcements, suggestions, etc. will be provided in the *Announcements* section in Blackboard. Check this at least twice per week.
- This is a relatively hard course. It would be very helpful for you to print off and follow the recommendations contained within the document titled *MIS Programming Survival Guide* within the *General Course Information* section of Blackboard.

Accommodations for Students with Disabilities

We would like to help students with disabilities achieve their highest potential in this class. To this end, in order to receive academic accommodations (e.g., for a quiz or exam), students must register with the Center for Students with Disabilities (CSD) (telephone 713-743-5400), and present approved accommodation documentation to your instructor in a timely manner (e.g., prior to the quiz or exam).

Professional Conduct and Academic Honesty

All students are expected to conform to the Bauer Code of Ethics and Professional Conduct. This code can be found at the following web page:

<http://www.bauer.uh.edu/BCBE/BauerCode.htm>

In addition, the University of Houston Academic Honesty Policy is strictly enforced by the C. T. Bauer College of Business. No violations of this policy will be tolerated in this course. A discussion of the policy is included in the University of Houston Undergraduate Catalog at the following web page

<http://publications.uh.edu/content.php?catoid=34&navoid=12627&hl=%22academic+honesty%22>

Students are expected to be familiar with the Bauer Code and the University of Houston Academic Honesty Policy.

Information Associated with Covid-19

Face Covering Policy

To reduce the spread of COVID-19, the University [requires face coverings](#) on campus including classrooms for both faculty and students. Face coverings must cover your mouth and nose and be worn throughout the class session. A mask with a valve is not considered an adequate face covering and should not be used, as it can expel exhaled air, increasing the risk to others. Eating or drinking during class is discouraged and is not an excuse for removing the face covering for any extended length of time. For additional information on the use of face coverings, please see [Face Covering FAQs](#). Failure to comply with the requirement to wear a face covering in class will result in your being asked to leave the classroom immediately and a disciplinary referral through the Dean of Students Office. Requests for accommodations relating to the face covering policy may be directed to the [Center for Students with DisABILITIES \(CSD\)](#).

Required Daily Health Self-Assessment

Your presence in class each session means that you have completed a daily self-assessment of your health/exposure and you:

- Are NOT exhibiting any [Coronavirus Symptoms](#)
- Have NOT tested positive for COVID-19
- Have NOT knowingly been exposed to someone with COVID-19 or suspected/presumed COVID-19

If you are experiencing any COVID-19 symptoms that are not clearly related to a pre-existing medical condition, do not come to class. Please see [COVID-19 Diagnosis/Symptoms Protocols](#) for what to do if you experience symptoms and [Potential Exposure to Coronavirus](#) for what to do if you have potentially been exposed to COVID-19. Consult the (select: [Undergraduate Excused Absence Policy](#) or [Graduate Excused Absence Policy](#)) for information regarding excused absences due to medical reasons.

Excused Absence Policy

Regular class attendance, participation, and engagement in coursework are important contributors to student success. Absences may be excused as provided in the University of Houston and [Graduate Excused Absence Policy](#) for reasons including: medical illness of student or close relative, death of a close family member, legal or government proceeding that a student is obligated to attend, recognized professional and educational activities where the student is presenting, and University-sponsored activity or athletic competition. Additional policies address absences related to [military service](#), [religious holy days](#), [pregnancy and related conditions](#), and [disability](#).

Recording of Class

Students may not record all or part of class, livestream all or part of class, or make/distribute screen captures, without advanced written consent of the instructor. If you have or think you may have a disability such that you need to record class-related activities, please contact the [Center for Students with DisABILITIES](#). If you have an accommodation to record class-related activities, those recordings may not be shared with any other student, whether in this course or not, or with any other person or on any other platform. Classes may be recorded by the instructor. Students may use instructor's recordings for their own studying and notetaking. Instructor's recordings are not authorized to be shared with *anyone* without the prior written approval of the instructor. Failure to comply with requirements regarding recordings will result in a disciplinary referral to the Dean of Students Office and may result in disciplinary action.

Syllabus Changes

Due to the changing nature of the COVID-19 pandemic, please note that the instructor may need to make modifications to the course syllabus and may do so at any time. Notice of such changes will be announced as quickly as possible through email.

Resources for Online Learning

The University of Houston is committed to student success, and provides information to optimize the online learning experience through our [Power-On](#) website. Please visit this website for a comprehensive set of resources, tools, and tips including: obtaining access to the internet, AccessUH, and Blackboard; requesting a laptop through the Laptop Loaner Program; using your smartphone as a webcam; and downloading Microsoft Office 365 at no cost. For questions or assistance contact UHOnline@uh.edu.

UH Email

Email communications related to this course will be sent to your [Exchange email account](#) which each University of Houston student receives. The Exchange mail server can be accessed via Outlook, which provides a single location for organizing and managing day-to-day information, from email and calendars to contacts and task lists. Exchange email accounts can be accessed by logging into Office 365 with your Cougarnet credentials or through Access UH. They can also be configured on [IOS](#) and [Android](#) mobile devices. Additional assistance can be found at the [Get Help](#) page.

Webcams

Access to a webcam is required for students participating remotely in this course. Webcams must be turned on during quizzes and exams to ensure the academic integrity. See **Extra Credit**, above for webcam requirements during lectures.

Honor Code Statement

Students may be asked to sign an honor code statement as part of their submission of any graded work including but not limited to projects, quizzes, and exams: *"I understand and agree to abide by the provisions in the [University of Houston Graduate Academic Honesty Policy](#). I understand that academic honesty is taken very seriously and, in the cases of violations, penalties may include suspension or expulsion from the University of Houston."*

Course Delivery Formats and Final Exams

Synchronous Online Courses: This course is being offered in the Synchronous Online format. Synchronous online class meetings will take place according to the class schedule. There is no face-to-face component to this course. In between synchronous class meetings, there may also be asynchronous activities to complete (e.g., discussion forums and assignments). This course will have a final exam per the [University schedule](#). The exam will be delivered in the synchronous online format, and the specified date and time will be announced during the course. Prior to the exam, descriptive information, such as the number and types of exam questions, resources and collaborations that are allowed and disallowed in the process of completing the exam, and procedures to follow if connectivity or other resource obstacles are encountered during the exam period, may be provided.

Helpful Information

COVID-19 Updates: <https://uh.edu/covid-19/> **Coogs Care:** <https://www.uh.edu/dsaes/coogscare/> **Laptop Checkout Requests:** <https://www.uh.edu/infotech/about/planning/off-campus/index.php#do-you-need-a-laptop> **Health FAQs:** <https://uh.edu/covid-19/faq/health-wellness-prevention-faqs/> **Student Health Center:** <https://uh.edu/class/english/lcc/current-students/student-health-center/index.php>

Tentative Class Schedule

Date	Topic	Java Text*	Assignments
Week 1	<ul style="list-style-type: none"> Introduction to Class & Creating a Program Using Data 	Chapter 1 Chapter 2	S e e A s s i g n m e n t s F o l d e r
Week 2	<ul style="list-style-type: none"> Using Methods & Classes 	Chapter 3	
Week 3	<ul style="list-style-type: none"> Class Features & Methods 	Chapter 4	
Week 4	<ul style="list-style-type: none"> Quiz 1 Input & Decision Making 	Quiz will consist of writing code, similar to the old quizzes kept on Blackboard. It will be online using a WEBCAM via CASA Monitor Chapter 5	
Week 5	<ul style="list-style-type: none"> Special Operators 	Chapter 5	
Week 6	<ul style="list-style-type: none"> Looping Exam 1 	Chapter 6 Exam will be similar to the sample exam kept on Blackboard. It will be online using a WEBCAM using Lockdown Browser.	
Week 7	<ul style="list-style-type: none"> Strings 	Chapter 7	
Week 8	<ul style="list-style-type: none"> Arrays 	Chapter 8	
Week 9	<ul style="list-style-type: none"> Inheritance 	Chapter 10	
Week 10	<ul style="list-style-type: none"> Quiz 2 Advanced Inheritance 	Quiz will consist of writing code, similar to the old quizzes kept on Blackboard. It will be online using a WEBCAM via CASA Monitor. Chapter 11	
Week 11	<ul style="list-style-type: none"> Exception Handling 	Chapter 12 <i>through page 604</i>	
Week 12	<ul style="list-style-type: none"> Files 	Chapter 13 Replacement (in Blackboard) Read through p. 548	
Week 13	<ul style="list-style-type: none"> Sequential File Processing Flowcharts 	See <i>Sequential Files</i> folder in Blackboard	
Week 14	<ul style="list-style-type: none"> Database Processing Modularization 	See <i>SQL Information</i> folder in <i>Student Files</i> within Blackboard See <i>Modularization</i> folder in Blackboard	
Week 15	<ul style="list-style-type: none"> Swing Components – Event Driven Programming 	Chapter 14	
TBD	<ul style="list-style-type: none"> Exam 2 	Exam will be similar to the Sample Exam kept on Blackboard. It will be online using a WEBCAM using Lockdown Browser.	

Note the Date & Time

**If the end page for Read or YDI has part of an old and the beginning of a new topic, stop at the end of the old topic.*