General Course Information		Professor Information	
Course Name:	**Computer Science II W/Java**	Professor:	Ed Weber (he/him/his)
Course/Section Number:	**CPT-189-02**	Email:	EWeber@StChas.Edu
Semester:	**2023 - Fall**	Office Location:	6-TB Room 105-A
Class Modality:	In-Person	Office #:	(636) 922-8390
Meeting Days/Times:	T/R – 8:30 – 9:45	Cell #:	Upon Request
Location:	6-TB Room 206	Office Hours:	M/T/W/R – 11:30 – 12:45
Credit Hours:	3	Office Hours Link:	https://calendly.com/ed_weber

Course Description:

This class will provide students with the opportunity to master basic fundamentals of the Java programming language, to understand Object Oriented Design (OOD) and Object Oriented Analysis (OOA).

Course Learning Outcomes:

1. The student will be able to write programs using the Java programming language.
2. The student will be able to implement small systems by professionally understanding the system technical requirements, designing the system structure, and coding using Java.
3. The student will be able to solve basic algorithm problems using Java.
4. The student will understand and use object-oriented programming to write Java programs.
5. The student will build a solid programming foundation for future advanced CS/IT courses.
6. The student will understand the importance of consistent documentation and will deliver code that is technically sound, logically sound, and thoroughly documented.

Textbook(s):

CPT-189: Computer Science II with Java
zyBooks Publishing

Please use the link in Canvas to access the interactive textbook. Do **not** create a new zyBooks account using your personal email address. Rather, make sure to select the correct section for this class (02) when you purchase access to this textbook for the class.

Prerequisites and/or Corequisites:

CPT-135 or CPT-165 - Must be completed prior to taking this course.

Technology Requirements:

1. Students are required to have a desktop or laptop computer running MS Windows, Mac OS, or Linux to be successful in this course. Tablets (i.e. Chromebook or iPad, etc.), smartphones, or wearable computers will **not** be sufficient. Also, students will require consistent internet connectivity.
2. Students are required to have basic computing skills including opening and saving files, sending/receiving Emails, using a web browser, uploading and downloading files, using a word processor, a spreadsheet, and presentation software.

3. We will be programming in the Java language, and we will be using the Visual Studio Code (VS Code) Interactive Development Environments (IDE) to complete our work. If you will be using your own computer for this course as opposed to SCC lab computers, then you will need a desktop or laptop computer running MS Windows 10 or 11, or Mac OS X (High Sierra or greater) and you will be required to download, install, and configure the required software on your machine in order to create the environment capable of completing the work for this class. Therefore, you will be expected to plan on spending an appropriate amount of time to work with the professor, or a peer tutor, to make sure your environment is correctly set up.
4. For problems with logging in, Email, the portal, and other SCC technology (**not** Canvas), contact the IT Service Desk (https://www.stchas.edu/student-life/student-services/technology-services/it-service-desk) .
5. For problems with Canvas, click the **Get Help** button on your main Canvas menu and contact Canvas support.

Method of Instruction:

This course utilizes a mix of the lecture, hands-on lab work, and the Socratic method of inquiry (the use of questioning to develop a potential idea in a student's mind) to maximize students' understanding and application of concepts. This approach promotes give-and-take among students and personal interaction between their fellow students, their professors, and internal and external clients.

In addition to being able to write programs, a significant outcome of this learning environment is enhanced student communications (both orally including using video and in writing) with their superiors, peers, subordinates, and other stakeholders.

Course Schedule and Plans:

The first week will be used for orientation and for discussing the environment that is required to successfully develop Java application programs.

For the remaining weeks, there will be 12 programming assignments due approximately every week of the semester. A programming rubric and a documentation rubric is available in Canvas to guide you in your work. The general schedule of work is outlined here:

- **Assignments:** There will be 12 programming assignments due approximately every week of the semester (40 points apiece.) A programming rubric and a documentation rubric is available in Canvas to guide you in your work.
- **Mid-Term Programming Project:** During the 8th or 9th week of the semester (100 points).
- **Quizzes:** Quizzes are unannounced (e.g. pop quizzes @ 40 points).
- **Final Programming Project:** The last week of class (100 points).

After the third week of the semester, late work will NOT be accepted.

See Canvas for specific weekly class schedule details. The Course Schedule is merely a guide. The professor reserves the right to alter the course content, class assignments, activities, and/or dates as deemed necessary.

Withdrawal Date and Policy

Students who choose to withdraw from this course may or may not be entitled to a refund depending on when they withdraw. To see the official dates and policies regarding withdrawing from the course, please see this link: https://www.stchas.edu/admissions/financial-aid/dates-deadlines.

Grading Scale and Methods

Course Grades are determined by the following overall percentages. **NOTE: Course Grades are NOT Rounded!**

A	**> = 90%**
B	**>= 80% and < 90%**
C	**>= 70% and < 80%**
D	**>= 60% and < 70%**
F	**< 60%**

Grade Component	Qty.	Unit Points	Total Points	Percent
Attendance, Participation, and Professionalism (APP)	30	8	240	24.0%
Weekly Programming Assignments	12	40	480	48.0%
Pop Quizzes	2	40	80	8.0%
Midterm Programming Project	1	100	100	10.0%
Final Programming Project	1	100	100	10.0%
Total			1000	100.0%

Grades will be completed and entered in Canvas typically by the end of the week (Sunday night) but occasionally will be completed at the beginning of the new week. You can expect all available grades to be fully posted within 1 week.

Assignments: All assignments are individual assignments unless specified otherwise. You are welcome and encouraged to discuss the course material with your fellow students, peer tutors, and the Professor as these discussions and work sessions often increase your understanding. However, each assignment you submit (except for paired-programming assignments) **must be completed individually**. Additionally, if you are using code snippets that you discover through online sources or tutorials, you must always be prepared to **discuss** your own understanding of the code you have submitted to ensure that you are not simply 'copying-and-pasting' someone else's code without understanding what the code is, what it does, how it works, and why you are using it. **Failure to be able to discuss your code, in detail, may result in a reduction of grade points for the assignments.**

Due Dates: Homework is due by the due date that is listed for that assignment in Canvas which is generally every Saturday at noon. This means it must be uploaded prior to the due date and time. All original work should be submitted well in advance of their due dates whenever possible in order to provide the student with feedback that may affect future work. The student is advised to always keep a copy of all submitted work as a backup. As stated previously, ***after the third week of the semester, late work will* NOT *be accepted.***

File Naming Conventions: All assignments must be submitted using the following file naming conventions:

- File name: ***Y3I_CPT-189-02_AssignmentName*.java** replacing *Y3I* with your own three initials and the Assignment name with the name of the assignment as found in Canvas. So, for example, if the student's name was "*Karina Ivory Smith*" and the assignment name was "*Hello World*", the file name for the assignment would be "*KIS_CPT-189-02_HelloWorld.java*".
- Points will be deducted for improperly named or improperly submitted files.

Exams and Quizzes: There will be two (2) quizzes this term. A midterm project and a final project are used instead of midterm and final exams. The specific format of each quiz will be presented in detail, prior to the quiz, in order to

provide ample time for preparation. The mid-term programming project and the final project is scheduled. The quizzes may occur at any time throughout the course and are unannounced (i.e. pop quizzes).

Attendance, Participation, and Professionalism: As this class is an in-person (synchronous) class, you are expected to be in attendance **and** fully participating during each scheduled class meeting. You are expected to participate directly in each class by:

- Arriving on time and staying for the full class session
- Being ready to engage in class discussions including asking and answering questions when appropriate
- If you need to miss a class due to an *acceptable* reason, you need to inform the professor, in advance, of the necessary absence including the reason for the absence. Additionally, you must be prepared to get any discussion notes from your peers after your absence. It is not reasonable to expect the professor to completely repeat a missed class meeting for you.
- When working with your professor or peers, you must show appropriate professionalism and respect in all of your interactions.

You will not pass this course if you fail to ACTIVELY participate in at least 70% of the classes.

Grade Dispute

You must check your grades frequently in Canvas. Any grade posted in Canvas may only be disputed within two weeks of the grade appearing. It is the student's responsibility to keep track of all points being awarded for completed work and participation.

Statement about Digital Content Confidentiality

You are not authorized or allowed to share or reproduce any electronic content from this course. Doing so will result in a failing grade of 'F' for egregious incidents as described in the student handbook. For example, sharing edited or unedited clips of video or audio to social media (even if it is very funny!) is **expressly prohibited** and will result in a grade of '**F**' for the course and other possible consequences up to and including expulsion.

SCC Support and Policies

Accessibility Services:

- SCC is committed to creating a learning environment that meets the needs of its diverse student body.
- If a student anticipates or experiences any barriers to learning in this course, they will be welcomed to discuss the concerns with both the professor and the department of accessibility services.
- If a student encounters a required element or resource in the course that is not accessible to them, they need to contact both the professor and the department of accessibility services right away.
- If a student has a documented disability, or thinks they may have a disability, they can meet with the disability support manager to discuss their needs and possible accommodations. More information about the disability support services office, including contact information, can be found on the SCC DSS (https://www.stchas.edu/dss) website.

COVID-19 Responsibilities:

- "*We have taken a strong position to protect the health and safety of our college community and will continue to do so*", said **Dr. Barbara Kavalier**, president of St. Charles Community College.

- The college continues to follow guidance from the CDC and the local health department. SCC monitors guidance for any changes necessitated by current conditions. Based on the current protocol, students and faculty are not required to wear face mask while on campus if they are not experiencing any COVID symptoms.
- However, if a student a) tests positive on COVID, or b) was a close contact of someone who tests positive, then it is the student's responsibility to report the issue to the college via the link below. The student is **not** allowed to show up on campus until a clearance notice is issued by the college.
  COVID-19 Reporting Form for Students - (https://cm.maxient.com/reportingform.php?stcharlescc&layout_id=5)
- Any protocol changes will be communicated via college email.
- You can click here (https://www.stchas.edu/lp/coronavirus/coronavirus-covid-19-news) to access the latest new and policies about COVID on campus.

Campus Safety:

- It is highly recommended to click here (https://www.stchas.edu/emergency-alert) to sign up for the Emergency Alert System. Issues about a campus closure due to inclement weather or other emergencies will be noticed immediately.
- Building and parking lot safety services are provided for students and faculty throughout the year. In an emergency, call 636-922- 8545 from the nearest phone. The Department of Public Safety (DPS) will respond immediately. Emergency phones are in all elevators, hallways, and classrooms of every building.
- You can click here (https://www.stchas.edu/student-life/safety-security) to visit the DPS/campus police for more information about safety in our college community.

Prohibition of Sexual Harassment:

- The Board Policies and Procedures can be accessed by clicking the following links.
- Policy (https://www.stchas.edu/about-scc/administration/board-policies/articlei07policy)
  Procedures (https://www.stchas.edu/about-scc/administration/board-policies/articlei07procedures)

SCC and your Professor wants you to succeed!

- Learn more about SCC support and policies (https://www.stchas.edu/student-life/student-services/).