Objective: An introduction to database programming and their application to information storage and retrieval systems.

Prerequisite: CS150 - Introduction to Computing II

eBook: Visit learn.zybooks.com, create account and subscribe with code: SIUECS234TornaritisSpring2021, section 001.

Course website: The instructor’s web site at www.cs.siue.edu/~stornar.

Moodle: The course management site, used for this course, accessed at classes.cs.siue.edu. Get access to all supplemental course material, e.g. syllabus, virtual office hours link, and a weekly ToDo list.

MAMP: The development stack available at https://www.mamp.info/en/

IDE: The Visual Studio Code IDE available at code.visualstudio.com

Assessment:

A [>= 900], B [>= 800], C [>= 700], D [>=600], F [< 600].

Project [460]: Due Friday 7:00a*.

Chapter readings [140]: Due Monday 7:00a*.

Homework sets [400]: Due Friday 7:00a *.

[* All times CDT]

Class delivery: The course delivery mode will be online and fully asynchronous. Students are required to read (flip mode) the assigned chapters and complete all activities therein before Monday. Accompanying each reading, the corresponding homework set must be completed by Friday.

Submission policy: No late submissions will be accepted for any reason. It is the student's responsibility to submit all work on time and by any means, so please have a backup to prevent any failure to submit. Always double check your submission.

Make-up policy: In order to be considered for a make-up, a student must be proactive and not reactive. Students should inform the instructor of any scheduled absence or difficulty in meeting a deadline, in advance (proactive) not after the fact (reactive). On special unforeseen occasions such as a medical emergency, family hardship, natural disaster or anything that is out of a student’s control, the instructor should be notified as soon as possible and proper documentation should substantiate the absence. The instructor will have the final say in all such decisions regarding make-ups and assessed penalties if applicable.

Course Material: Do not post any provided material for this course on any publicly available location, such as social media or shared cloud drives. Materials provided for the course that are provided by the instructor, other SIUE instructors and the textbook publisher may not be reproduced and/or posted to any electronic repository that is accessible to anyone except yourself. That is, no material for this course may be shared or posted by you or linked by you to any outlet such as (but not limited to) social media sites, web pages or public folders on cloud storage systems (such as Dropbox, Google Drive or OneDrive). All materials (whether behind secure sites or publicly available) are for your use only in this course and the creators do not grant permission for any other use.

Support services:

Option 1: Students needing accommodations because of medical diagnosis or major life impairment will need to register with Accessible Campus Community & Equitable Student Support (ACCESS) and complete an intake process before accommodations will be given. Students who believe they have a diagnosis, but do not have documentation, should contact ACCESS for assistance and/or appropriate referral. The ACCESS office is located in the Student Success Center, Room 1203. You can also reach the office by emailing us at myaccess@siue.edu or by calling 618-650-3726.

If you feel you would need additional help in the event of an emergency situation, please notify your instructor to be shown the evacuation route and discuss specific needs for assistance.
Option 2: It is the policy and practice of Southern Illinois University Edwardsville to create inclusive learning environments. If there are aspects of the instruction or design of this course that result in barriers to your inclusion or to accurate assessment of achievement—such as time-limited exams, inaccessible web content or the use of non-captioned videos—please contact Accessible Campus Community and Equitable Student Support (ACCESS) as soon as possible. In order to properly determine reasonable accommodations, students must register with ACCESS either online at siue.edu/access or in person in the Student Success Center, Room 1203. You can also reach the office by emailing us at myaccess@siue.edu or by calling 618-650-3726.

If you feel you would need additional help in the event of an emergency situation, please notify your instructor to be shown the evacuation route and discuss specific needs for assistance.

Academic misconduct: Academic honesty is a serious issue at SIUE, in the School of Engineering, in the Department of Computer Science, and with this instructor. Penalties for dishonest behavior will be severe. Even a single occurrence of plagiarism of English text, or program code, within a graded activity (e.g., homework, project, or exam) is grounds for academic discipline and a letter grade of 'F' in the course.

Expectations: Learning is an active process not a passive one, so as an Instructor I expect students to come to class prepared, having read all relevant material (book, notes, code) before as well as after class meetings. Don’t be afraid to ask questions or seek answers. Have an open mind and a willingness to learn and adopt alternative methodologies and practices. It takes two participants to transfer knowledge, the instructor and the learner. If one is absent the other suffers.

COVID-19 Pandemic Policies Related to Classroom Instruction (Fall 2020-Spring 2021)

Health and Safety: Consistent with the Illinois Board of Higher Education guidance contained in “Safely Launching Academic Year 2020” released on June 23, 2020 and guidelines established by Governor J. B. Pritzker and Restore Illinois, Southern Illinois University Edwardsville has implemented a new policy to help ensure the safety of all students, faculty and employees during the pandemic. The measures outlined below are required and any student who does not comply may be in violation of the COVID-19 People-Focused Health and Safety Policy, as well as the University’s Student Code of Conduct.


Date | Wk | Chapter reading (due Monday, 7:00a) | Homework set (due Friday, 7:00a) | Project (due Friday, 7:00a)
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01/18 | 1 | Setup (due Wed. 7:00a) | Setup (MAMP, VSC, Moodle) |
01/25 | 2 | Web Intro | Web Intro |
02/01 | 3 | HTML Basics | HTML Basics |
02/08 | 4 | HTML Forms | HTML Forms |
02/15 | 5 | W3.CSS | W3.CSS |
02/22 | 6 | RD/SQL (CREATE, INSERT, SELECT) | RD/SQL (CIS) |
03/01 | 7 | RD/SQL (JOIN, UPDATE, DELETE) | RD/SQL (JUD) |
03/08 | 8 | PHP Basics | PHP Basics |
03/15 | 9 | PHP Arrays and Functions | PHP Arrays and Functions |
03/22 | 10 | PHP Forms | PHP Forms |
03/29 | 11 | PHP PDO | PHP PDO (CIS) |
04/05 | 12 | RD SQL review | PHP PDO (JUD) |
04/12 | 13 | PHP File IO | PHP File IO |
04/19 | 14 | PHP Authentication | PHP Authentication |
04/26 | 15 | no reading | Work on project |
05/03 | 16 | | Project |

Finals week - There is no final in the course
Classrooms, Labs, Studios, and Other Academic Spaces: While in the classroom, lab, studio, or other academic spaces, students shall practice social distancing measures by maintaining a distance of at least six feet from others in the classroom and wearing a face covering. Extra care should be taken upon entering and leaving the classroom spaces. Classroom furniture should not be rearranged, and furniture that has been taped off or covered should not be used.

Students who forget to wear a face mask or face shield will be reminded of their obligation to comply with SIUE’s COVID-19 People-Focused Health and Safety Policy and temporarily asked to leave the class until they are able to conform to the policy. Students who forget or lose their face coverings may be able to obtain replacements from a friend, a faculty member, or a nearby departmental office. Face coverings are also available for purchase in the Cougar Store (MUC).

Students who refuse to wear a face covering will be asked to leave the classroom and referred to the Dean of Students for non-compliance with community health and safety protocols. Repeated non-compliance may result in disciplinary actions, including the student being administratively dropped from an on-ground/face-to-face course or courses without refund if no alternative course format is available.

If a student has a documented health condition which makes wearing a face covering medically intolerable, that student should contact ACCESS to explore options with the understanding that ACCESS will not grant accommodations which excuse the need for a face covering while on campus or in the classroom. ACCESS will work with qualifying individuals to find reasonable alternatives, whenever such solutions are available. Please call or contact the ACCESS Office via email to schedule an online appointment to discuss potential alternatives. ACCESS office (Student Success Center, Room 1203, 618-650-3726, and myaccess@siue.edu).

General Health Measures: At all times, students should engage in recommended health and safety measures, which include:

• Conducting a daily health assessment. If you have COVID-19 symptoms, but not yet tested positive, have had COVID-19 close contact exposure, or are COVID-19 diagnosed as presumptive or confirmed positive, stay home and contact your health provider or SIUE Health Service at cougarcare@siue.edu or 618-650-2842. More information is available on the SIUE COVID-19 website.
• Frequent washing or disinfecting of hands.
• Social distancing by maintaining a distance of at least six feet from others.
• Face masks or face coverings that cover the nose and mouth are required in indoor public spaces regardless of the ability to maintain social distance. Indoor public spaces include common spaces or community settings that anyone can access, such as reception areas with walk-in access, restrooms, hallways, classrooms, teaching and research laboratories, as well as common spaces in residence halls, conference rooms, lobbies, and break rooms.
• Adhere to directional signs and traffic flow patterns in buildings and offices. Doors for entering and exiting buildings will be designated. Where multiple doors exist, in and out doors will be marked with “Entrance” and “Exit” signs. Plans that consider traffic flow in and out of buildings, and within buildings (i.e. stairs, hallways, etc. where possible) will be marked.

Academic Integrity: Students are reminded that the expectations and academic standards outlined in the Student Academic Code (3C2) apply to all courses, field experiences and educational experiences at the University, regardless of modality or location. The full text of the policy can be found here: https://www.siue.edu/policies/3c2.shtml.

Recordings of Class Content: Faculty recordings of lectures and/or other course materials are meant to facilitate student learning and to help facilitate a student catching up who has missed class due to illness. As such, students are reminded that the recording, as well as replicating or sharing of any course content and/or course materials without the express permission of the instructor of record, is not permitted, and may be considered a violation of the University’s Student Conduct Code (3C1), linked here: https://www.siue.edu/policies/3c1.shtml.

Potential for Changes in Course Schedule or Modality: As the COVID-19 pandemic continues, there remains a possibility that planned classroom activities will need to be adjusted. Depending on circumstances and following state-issued recommendations, potential changes include changes in course modality (e.g., transition from face-to-face to online) or in course scheduled meetings. These changes would be implemented to ensure the successful completion of the course. In these cases, students will be provided with an addendum to the class syllabus that will supersede the original version.