

Course Syllabus

COURSE: CIS 196 30C O - Internet Programming II
CREDITS: 3 semester hours – Spring 2020
PREREQUISITE: CIS 195 Internet Programming Essentials
INSTRUCTOR: **Name:** Bill Jing **Email:** weizhong.jing@southeasttech.com
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COURSE DESCRIPTION: This course will focus on developing web-based applications that interact with other applications and/or databases using popular technologies. Concepts including responsive web development, client-side and server-side programming will be explored.

TEXT: Murach's JavaScript and jQuery, 3rd ed. by Mary Delamater & Zak Ruvalcaba.
ISBN: 978-1-943872-05-3

HARDWARE REQUIREMENTS: All CIS courses require the use of a laptop computer. Assessment of computer compatibility and hardware or software issues and questions may be directed to the Southeast Tech IT Support Center at 605-367-4461. For more information regarding the Virtual PC Technology used at Southeast Tech, contact the IT Support Center.

SOFTWARE/TOOLS/RESOURCES REQUIREMENTS:

- Notepad++, Google's Chrome browser, Chrome's developer tools.
- Atana Studio 3 (Optional, I encourage students use IDEs they find).
- Student download files from www.murach.com.
- www.w3schools.com.

COURSE OUTCOMES: The student should be able to demonstrate the following outcomes upon successful completion of this course:

1. Combine HTML, CSS and JavaScript to create a variety of web applications.
2. Apply responsive web design principles.
3. Devise appropriate testing and debugging techniques.
4. Use JavaScript libraries and frameworks to enhance code.
5. Describe aspects of web development relating to front end, back end and full stack skillsets.
6. Examine popular CSS and JavaScript frameworks.
7. Evaluate pros and cons of alternative web solutions.
8. Experiment with a version control system to track source code changes.
9. Utilize browser developer tools.

BASIS FOR EVALUATION:

Exams (40% of grade)

A minimum of four exams will be given during the semester. Exams will consist primarily of performance tests (where the student creates or completes a project). Tests may also include true/false, multiple choice, coding / short answer, and fill-in type questions.

Make-up exams are **not** available, but arrangements may be made with the instructor / proctor to take an exam *prior* to the scheduled testing time. Students may throw out their lowest exam score or choose not to take the last exam if they are satisfied with their grade. If a test is missed, it will be the test that's not included in the final grade.

Online students are responsible for finding a proctor or testing site (which must be approved by the instructor) to administer some or all of their exams if they are unable to use Southeast Tech's Online Support Center located on campus.

Assignments (40% of grade)

- Each assignment will be given a due date, and *most* will close at 11:55pm on that date. Students are required to turn in assignments in to Coursework on or before they close. The instructor will notify students if a due date has been changed. Occasionally, an extension (with or without a penalty) might be added beyond the original due date.
- **EOC (End of Chapter) Exercises** are located at the end of each chapter. Always check in Coursework to see if an assignment has revised or additional instructions and/or files attached to it, even if it's from the textbook.
- Other assignments in this category may include an individual student project and/or team project.

Class Participation, Preparation & Team Activities (10% of grade)

It is expected that students demonstrate responsibility and commitment to learning by participating in the course and all activities. Students should check their school e-mail and the course website daily (especially the Coursework and Gradebook pages) to stay current with assignments and monitor their progress.

Course Project (10% of grade)

The course project is designed to give students practice developing substantial JavaScript and jQuery applications using the skills that you learned in this course.

Asking for Help - It's important that students not delay asking for help when they have questions. Students who are submitting questions via email should provide detailed information so their instructor understands what they're asking. Ideally the email requesting instructor assistance should include:

- * student's course and section number
- * the assignment number
- * a brief description of the problem(s)
- * what they tried to do to fix the problem(s)
- * an attached zipped folder containing all project files (if MS Outlook allows it). If Outlook doesn't allow a project to be attached to the email, students can save their project to their OneDrive and share it with their instructor.

Expectations of Instructor's Reply to Emails - Your instructor will do their best to send a reply to your email within **48** hours or less. This suggests how important it is that students provide sufficient information in their initial email and that they not wait until the day an assignment is due before they start working on it!

- **Short Exercises** are smaller, supplemental exercises not found in the textbook that will provide additional opportunities to learn and apply new concepts.
- Other assignments included in this category are quizzes, worksheets, team projects, etc. Students should read chapters prior to taking quizzes and should let their instructor know about topics they don't understand. Quizzes cannot be made up if missed.

GRADING: The grading scale is shown below.

90% - 100%	A	80% - 89%	B	70% - 79%	C
60% - 69%	D	59% or lower	F		

A grade of “C” or higher is required for all CIS programming courses for students majoring in Programming.

ATTENDANCE POLICY:

To prepare students for employment, this course has expectations that emulate those of a normal job, which means attendance, participation and punctuality are important. Students can monitor their attendance on STInet, and are encouraged to meet with and/or email their instructor if they have extenuating circumstances that cause them to be absent for an extended period.

Online students' *attendance* is reflected in their participation in class and their timely submission of assigned work. It will be monitored by using a weekly mock attendance date.

CONDUCT POLICY: Integrity and professionalism is expected by everyone. Misuse of the computer (excessive Internet surfing during class, emailing, chat room use, and/or inappropriate screen savers, etc.) may result in disciplinary action. Cheating and plagiarism will result in a zero for that work and further unethical behavior may result in a failing grade for the course or even suspension.

STUDENT SUCCESS: Student success is important to STI faculty, and all faculty are involved in assessing learning. Upon completion of a degree, Southeast graduates will have demonstrated competency in the following areas:

Science and Technology: Technical competence including knowledge of technology and/or scientific principles as they apply to programs.

Problem Solving & Critical Thinking: The ability to select and use various approaches to solve a wide variety of problems – scientific, mathematical, social and personal. Graduates will also be able to evaluate information from a variety of perspectives, analyze data, and make appropriate judgments.

Communication: The ability to communicate effectively in several forms – oral, written, nonverbal and interpersonal. Graduates will also demonstrate knowledge of how to manage and access information.

Professionalism: Strong work ethic, including responsible attendance; skill in teamwork and collaboration, as well as an ability to work with others, respecting diversity; ability to adapt to change; commitment to lifelong learning; adherence to professional standards; and positive self-esteem and integrity.

Instructors and faculty members will act with integrity and strive to engage in equitable verbal and nonverbal behavior with respect to differences arising from age, gender, race, handicapping conditions and religion. If you have special needs as addressed by the American with Disabilities Act and need course materials in alternative formats, notify your instructor immediately. Reasonable efforts will be made to accommodate your special needs.

Violations of safety to self and others and/or violation of safe operating practices of equipment may result in: the reduction or loss of your daily grade; removal from class; and/or disciplinary action.