CSCI, 233, 61E, Application Program Development

COURSE SYLLABUS: Fall 2020

INSTRUCTOR INFORMATION

Instructor: Dr. Srujan Kotikela, Assistant Professor
Office Location: ACB1 306
Office Hours: By email and appointment only
Office Phone: 979-317-3429
Office Fax: N/A
University Email Address: Srujan.Kotikela@tamuc.edu
Preferred Form of Communication**: email**
Email Subject: **CSCI 233-61E-blahblahblah**
Communication Response Time: 24 hours or sooner

COURSE INFORMATION

Materials – Textbooks, Readings, Supplementary Readings

Textbook(s) Required:
   Web Development with MongoDB and NodeJS, Second Edition by Mithun Satheesh et. Al., Packt Publishing
   ISBN-10: 1785287524
   ISBN-13: 978-1785287527
Reference Material:
     https://www.internetingishard.com/html-and-css/
     https://eloquentjavascript.net/

Course Description

This course is for anyone who wants to learn how to build and maintain websites that use NodeJS and MongoDB. This course will expand basic Javascript skills to include the front-end and back-end skills you need for building full-fledged web applications using modern Javascript technologies. For this course you should have basic HTML and CSS skills. Prerequisites: CSCI 151 or equivalent
(Note – course content modified; the course title was not changed.)

The *syllabus/schedule are subject to change.*

Student Learning Outcomes

a) An ability to analyze a problem, and to identify and define the computing requirements appropriate to its solution.

b) An ability to design, implement, and evaluate a computer-based solution to meet a given set of computing requirements in the context of the discipline.

c) Develop a modern application using modular design approach that includes multiple layers for efficient engineering and effective maintenace

COURSE REQUIREMENTS

Minimal Technical Skills Needed

Ability to use the Internet browser to access MyLeo Learning Management System (LMS), Zoom, Microsoft Word and PowerPoint, and PDF reader.

Instructional Methods

This is a face-to-face course with heavy use of the MyLeo (D2L) Learning Management System (LMS), and remote learning component.

Student Responsibilities or Tips for Success in the Course

Instructor Availability:
To communicate with me about this course you are to use the email address on this syllabus. Please include the course number/name in the beginning of the subject field for every email message (**see the top of the first page of this syllabus for more information**). **Email messages that are missing this information are likely to be automatically redirected to a folder the instructor will seldom check, or will possibly be deleted**. During the week, you can generally expect a response to your emails within a day, though sometimes it may take longer. I do not normally log on over the weekends. If you email me a question on Friday afternoon, I may not read that email until Monday morning. You can also call me at my office (prefer an email) or stop by my office during office hours.

Unless otherwise specified, all assignments are individual assignments, and thus must be completely the original work of the student submitting them.

Sharing Your Work
All work produced by students may be shared by the instructor with the class for purposes of example and training. Such work will be as anonymous as possible. Finally, the instructor may share your work anonymously with future classes or in his own writing and research.

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Submitting Assignments:
Unless special instructions are provided, assignments are *NOT* to be posted on any discussion board. Your completed work must be placed in the appropriate *Dropbox* in D2L Online. DO NOT EMAIL ME ANY ASSIGNMENTS AS THEY WILL BE DELETED. Please follow the rules for naming and posting assignments.

Late Work:
All assignments are due at the time specified. **Please keep in mind that no late work will be accepted without penalty.** If an assignment is turned in after the due date, **20%** of the grade will be forfeited. **No assignment will be graded if submitted 7 or more days after it is due**. **An assignment must be submitted *within 6 days* of the due date if you want it graded**. If you have a problem submitting an assignment on time you should contact me before the due date. **For some weeks, it may be possible to work ahead and submit the assignment before it is due.**

Cheating on Exams
Students who share information about answers on the exams or receive assistance from external sources during the exam will receive a zero grade for the exam.

GRADING

Final grades in this course will be based on the following scale:

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

Assessments

Your Final Grade Distribution is as follows:

Assessment	Percent of Final Grade
Assignments	25%
Quizzes	25%
Midterm Exam	25%
Final Exam	25%
Total	100%

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TECHNOLOGY REQUIREMENTS

LMS

All course sections offered by Texas A&M University-Commerce have a corresponding course shell in the myLeo Online Learning Management System (LMS). Below are technical requirements

LMS Requirements:
https://community.brightspace.com/s/article/Brightspace-Platform-Requirements

LMS Browser Support:
https://documentation.brightspace.com/EN/brightspace/requirements/all/browser_support.htm

YouSeeU Virtual Classroom Requirements:
https://support.youseeu.com/hc/en-us/articles/115007031107-Basic-System-Requirements

ACCESS AND NAVIGATION

You will need your campus-wide ID (CWID) and password to log into the course. If you do not know your CWID or have forgotten your password, contact the Center for IT Excellence (CITE) at 903.468.6000 or helpdesk@tamuc.edu.
Note: Personal computer and internet connection problems do not excuse the requirement to complete all course work in a timely and satisfactory manner. Each student needs to have a backup method to deal with these inevitable problems. These methods might include the availability of a backup PC at home or work, the temporary use of a computer at a friend's home, the local library, office service companies, Starbucks, a TAMUC campus open computer lab, etc.

COMMUNICATION AND SUPPORT

If you have any questions or are having difficulties with the course material, please contact your Instructor.

Technical Support

If you are having technical difficulty with any part of Brightspace, please contact Brightspace Technical Support at 1-877-325-7778. Other support options can be found here:

https://community.brightspace.com/support/s/contactsupport

Interaction with Instructor Statement

The syllabus/schedule are subject to change.

See Above

COURSE AND UNIVERSITY PROCEDURES/POLICIES

Course Specific Procedures/Policies
See Above

Syllabus Change Policy

The syllabus is a guide. Circumstances and events, such as student progress, may make it necessary for the instructor to modify the syllabus during the semester. Any changes made to the syllabus will be announced in advance.

University Specific Procedures

Student Conduct

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. The Code of Student Conduct is described in detail in the Student Guidebook. http://www.tamuc.edu/Admissions/oneStopShop/undergraduateAdmissions/studentGuidebook.aspx

Students should also consult the Rules of Netiquette for more information regarding how to interact with students in an online forum: https://www.britannica.com/topic/netiquette

TAMUC Attendance

For more information about the attendance policy please visit the Attendance webpage and Procedure 13.99.99.R0.01. http://www.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx

http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/academic/13.99.99.R0.01.pdf

Academic Integrity

Students at Texas A&M University-Commerce are expected to maintain high standards of integrity and honesty in all of their scholastic work. For more details and the definition of academic dishonesty see the following procedures:

Undergraduate Academic Dishonesty 13.99.99.R0.03

http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/undergraduates/13.99.99.R0.03UndergraduateAcademicDishonesty.pdf

Graduate Student Academic Dishonesty 13.99.99.R0.10

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Students with Disabilities-- ADA Statement

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

Office of Student Disability Resources and Services
Texas A&M University-Commerce
Gee Library- Room 162
Phone (903) 886-5150 or (903) 886-5835
Fax (903) 468-8148
Email: studentdisabilityservices@tamuc.edu

Website: Office of Student Disability Resources and Services

http://www.tamuc.edu/campusLife/campusServices/studentDisabilityResourcesAndServices/

Nondiscrimination Notice

Texas A&M University-Commerce will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information or veteran status. Further, an environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

Campus Concealed Carry Statement

Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in Texas A&M University-Commerce buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and A&M-Commerce Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations.

For a list of locations, please refer to the Carrying Concealed Handguns On Campus document and/or consult your event organizer.

Web url:
http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf

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Pursuant to PC 46.035, the open carrying of handguns is prohibited on all A&M-Commerce campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.

COURSE OUTLINE / CALENDAR

Week	Topic
1 – 2	Introduction to HTML5
3 – 4	Introduction to Cascading Style Sheets (CSS)
5 – 7	Introduction to Javascript
8	**Midterm Exam**
9 – 10	Introduction to NodeJS and NPM
11 – 12	Introduction to MongoDB
13 – 15	Integrated NodeJS and MongoDB application
16	**Final Exam**

Coronavirus Safety Measures

Students must observe the following practices while participating in face-to-face courses and course-related activities (office hours, transitioning to and between classes, study spaces, academic services, etc.)

Self-monitoring
Students should follow CDC recommendations for self-monitoring. **Students who have a fever or exhibit symptoms of COVID-19 should participate in class remotely and should not participate in face-to-face instruction.**

Face Coverings
Face coverings (cloth face covering, surgical mask, neck gaiters, etc.) must be properly worn in all common areas including classrooms, lobbies and hallways, and offices.
- To attend a face-to-face class, students must wear a face covering (or a face shield if they have an exemption letter). If a student refuses to wear a face covering, the instructor should ask the student to leave and join the class remotely. If the student does not leave the class, the faculty member should report the incident to Carlos Pinkerton (cpinkerton@rellis.tamus.edu). Carlos will follow-up with the student and initiate the student conduct process. Additionally, the faculty member may choose to teach that day's class remotely for all students.
- Students who refuse to wear face coverings face possible sanctions for violations including failure to comply with university official, failure to comply with federal, state and local laws, disorderly conduct, and disruptive activity.

Physical Distancing
Physical distancing must be maintained between students, instructors, and others in course and course-related activities.
- Students must follow marked pathways for entering and exiting classrooms. Leave classrooms promptly after course activities have concluded. Do not

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congregate in hallways and maintain 6-foot physical distancing when waiting to enter classrooms and other instructional spaces.
- Students must practice physical distancing while outdoors. If you can maintain 6-foot physical distancing while outdoors, masks are optional.

Quarantine or other reasons to work remotely
Students required to quarantine must participate in courses and course-related activities remotely and **must not attend face-to-face course activities**. Students should notify their instructors of the quarantine requirement. Students under quarantine are expected to participate in courses and complete graded work unless they have symptoms that are too severe to participate in course activities.

Remote Learning
Every face-to-face class will have a remote learning option. All details for the remote learning option will be updated in D2L and announced in the class.

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