

Technology & Visual Arts

COMP2068 JavaScript Frameworks

Thursdays, 07:00pm to 9:50pm, Hybrid

Course Description:

This course will investigate more powerful features of current server-side technologies, like Object-Oriented Programming (OOP) structures, Model-View-Controller (MVC) frameworks, and popular Application Programmer Interfaces (APIs) for a variety of web services.

Resources:

Over the course we will discuss topics covered in the following books:

- A. MEAN Web Development
Amos Q. Haviv
Packt Publishing
ISBN 978-1-78398-328-5

Recommended Tools

- Visual Studio Code
- Office.com
- GitHub
- GitHub Desktop
- HackerRank

Instructor:

Eduardo is a Senior Software Engineer with more than 10 years of industry experience working for a variety of organizations that include: Government (City and Federal), Citizen Services, eCommerce, Utilities sector, and Consultancy services. He completed his master's degree in Software Engineering at the University of Texas at Dallas and has worked in three different countries across North America.

Contact information:

Email Address: jesuseduardo.jaimegandarilla@georgiancollege.ca

Personal Website: <https://eduardojaime.github.io>

WebEx Session Link: <https://georgiancollege.webex.com/meet/eduardo.jaime>

Office Hours:

- Appointments at <https://georgiancollege.webex.com/meet/eduardo.jaime>
- By Appointment. Please book online at <https://calendly.com/eduardo-jaime/15min>
- Please book 1 appointment when you need to discuss something specific.
- Please be on time & prepared (i.e., have your laptop booted up, the files you want to discuss open already, clear questions prepared). If you will be late, please notify me by email.
- If you cannot attend the meeting you booked or no longer need the appointment, please cancel it online so I am notified, and another student can book that meeting time.
- Please follow these guidelines to maintain your access to office hour appointments. Failure to do so will result in a loss of your office hour booking privileges.

Expectations for Success:

Instructor

- Be prepared for each week's lesson
- Communicate regularly with you via email and Blackboard
- Provide real-life context and examples for the concepts you will be learning
- Encourage and answer your questions
- Find out the answers to questions that I cannot answer
- Set out clear standards and expectations for your work
- Try to present the course material in an engaging manner
- Be open to your feedback
- Try to respond to email within 24 hours Monday to Friday, or within 48 hours Friday evening to Sunday. I generally do not check email after 6 pm.

Student

- Follow the weekly lessons on Blackboard and complete all learning activities
- Complete all assignments and submit them on time
- Ask for help when you don't understand something or cannot solve a problem on your own
- Check your student email often
- Understand how you learn (so you can learn more efficiently)

Evaluation:

| | |
|--------------------------|-----|
| Assignment 1 (Portfolio) | 25% |
| Assignment 2 (CRUD app) | 25% |
| Labs/Quizzes | 25% |
| Group Tutorials | 25% |

An overall grade of 50% is required to achieve a passing grade for the course. There are no makeup assignments offered at the end of the course. Requests for extra assignments or the opportunity to submit late projects at the end of the semester will not receive a response.

All assignments are planned and scheduled to provide adequate completion time. Help is often available. Assignments must be submitted by 11:59 pm on their due dates. Late submissions will receive a grade reduction of 20% per calendar day past the due date. Requests for adjustments can be made but should be done at least one week in advance and must be approved by the instructor. Failure to do so will result in a mark of zero unless an illness / emergency can be proven with appropriate documentation at no cost to the College.

Unless, otherwise specified, all work should be your own individual work. Make sure you understand the academic policies and procedures as detailed at <http://www.georgiancollege.ca/academics/policies/>. The minimum penalty for Academic Misconduct is a grade of zero on the assignment involved. Pay special attention to warnings about cheating, plagiarism, and acceptable use of college computer resources. All submissions are subject to a Code Review with the instructor where you may be asked to explain your work.

Schedule of Activities

Winter semester from 09-JAN-2023 to 21-APR-2023

| Week | Date | Topic | Chapter | What's due? | Delivery |
|---|--------|--|---------|---------------|----------|
| 01 | 12 JAN | Intro to the MEAN Stack | 01 | | O |
| 02 | 19 JAN | JS Fundamentals, Express and NPM | | | O |
| 03 | 26 JAN | Routing | 02 | Lab 1 | O |
| 04 | 02 FEB | Express.js | 04 | Quiz 1 | O |
| 05 | 09 FEB | CRUD with MongoDB part 1 | 04, 05 | Lab 2 | O |
| 06 | 16 FEB | CRUD with Mongo DB part 2 | 08 | Assignment 1 | R |
| 07 | 23 FEB | Authentication part 1 <i>Organizing teams for presentations</i> | 06 | Quiz 2 | O |
| 26 Feb to 04 Mar Reading Week- No Classes | | | | | |
| 08 | 09 MAR | Authentication part 2 | 07 | Assignment 2a | C |
| 09 | 16 MAR | Angular part 1 | 08 | Lab 3 | O |
| 10 | 23 MAR | Angular part 2 | | Quiz 3 | O |
| 11 | 30 MAR | Angular part 3 | | Assignment 2b | R |
| 12 | 06 APR | Group Presentations Day 1 | | | O |
| 13 | 13 APR | Group Presentations Day 2 | | | O |
| 14 | 20 APR | Group Presentations Day 3 | | | C |

Note: Delivery can be in Online (O), In-Classroom (C) and Pre-recorded (R) session format

Additional Notes

* Extra Labs could still be assigned and will be scheduled at least one week in advance.

** The sequence and content of this syllabus may change due to unanticipated opportunities or challenges, or to accommodate the learning styles of the students.

*** Due to extenuating circumstances and to accommodate the need for this program to be offered remotely, there may be some modifications to the evaluation/assessment. This has been approved by the Dean of Technology & Visual Arts (TVA), as directed by the Vice President, Academic.

Class Recordings

To support access to course content, lectures and learning activities may be recorded and the links to these resources posted in Blackboard.

Recordings should primarily capture the faculty and on-screen content. It is possible that your image, voice, name, personal views, and course work may be collected. If you have concerns with recording, it is suggested that you keep your video/microphone off and do not use a profile image. You can communicate via direct message with your faculty instead of group chat.

Recordings may not be reproduced, posted, or shared anywhere and may be in violation and subject to disciplinary actions under Georgian College's Student Code of Conduct. Recordings should only be used by students currently registered in this course.

Students creating unauthorized recordings may be in violation and subject to disciplinary actions under Georgian College's Student Code of Conduct.

Getting Help

From the Instructor

If you have course-specific questions you can:

- Email me at jesuseduardo.jaimegandarilla@georgiancollege.ca
- When emailing, provide COURSE + STUDENT NBR + TOPIC in the email subject
 - E.g.: "COMP2068 2012312300 Assignment 1"
- Book a 1-on-1 online office hours appointment via Calendly
<https://calendly.com/eduardo-jaime/15min>

Additional Free Learner Supports

Computer Studies Student Advisor

april.jones@georgiancollege.ca

Computer Studies Technical Support

support@computerstudi.es

Remote Learning Student Support

<https://www.georgiancollege.ca/student-life/remote-learning-and-supports/>

Course-Specific Peer Tutoring

<https://library.georgiancollege.ca/tutoring>

Mental Health Services

<https://www.georgiancollege.ca/student-life/student-services/counselling/>

Accessibility

<https://www.georgiancollege.ca/about-georgian/corporate-information/accessibility/>