# **Time & Location**:

W2014

W2014

N102, Monday 6 pm – 9 pm

# **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. Work may include extending the capabilities of current content management platforms to address more challenging web-based application requirements.

# **Resources**

Marks, announcements, notes, links, tools, and any additional materials can be found on Blackboard. Please check the site regularly.

**Instructor**:

Chris Naismith: [christopher.naismith@georgiancollege.ca](mailto:christopher.naismith@georgiancollege.ca)

I will:

* 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

**Expectations for Success**:

* Follow the weekly lessons on Blackboard and complete all learning activities
* Attend class regularly and be on time
* Ask for help as often as you require
* Use the recommended text book for additional practice
* Check your student email often
* Understand how you learn (so you can learn more efficiently)
* *Independently* obtain material from any classes you are unable to attend

**Office Hours:**

None

# **Evaluation**

|  |  |
| --- | --- |
| Quizzes / Lab Assignments | 25% |
| Assignment I | 25% |
| Assignment II | 25% |
| Presentation | 25% |
| **Total** | **100%** |

An overall grade of 50% is required to achieve a passing grade for the course.

All assignments are planned and schedule 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 10% 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/>. Pay special attention to warnings about cheating, plagiarism, and acceptable use of college computer resources.

# Schedule of Activities

|  |  |  |  |
| --- | --- | --- | --- |
| WEEK | LESSON | DUE | |
| 1 – Sept 2 | **LABOR DAY – NO CLASSES** |  |
| 2 – Sept 9 | Javascript Refresher/Intro to MERN |  |
| 3 – Sept 16 | Starting with Node | Lab 1 |
| 4 – Sept 23 | ExpressJS | Lab 2 |
| 5 – Sept 30 | CRUD with MongoDB Part I | Lab 3 |
| 6 – Oct 7 | CRUD with MongoDB Part II | Assignment 1 Part 1 |
| 7 – Oct 14 | **THANKSGIVING – NO CLASSES** | Assignment 1 Part 2 |
|  | **READING WEEK – NO CLASSES** |  |
| 8 – Oct 28 | Authentication Part II | Lab 4 |
| 9 – Nov 4 | ReactJS Part I |  |
| 10 – Nov 11 | ReactJS Part II |  |
| 11 – Nov 18 | ReactJS Part III | Assignment 2 – Part 1 |
| 12 – Nov 25 | ReactJS Part IV | Assignemnt 2 – Part 2 |
| 13 – Dec 2 | Student Presentations Part I |  |
| 14 – Dec 9 | Student Presentations Part II |  |

The sequence and content of this syllabus may change due to unanticipated opportunities or challenges, or to accommodate the learning styles of the students. Personal images, images of your projects and images of events may be taken throughout the semester. If you do not want your work/image used for College and Program promotional purposes, please fill out and submit a Disclaimer Form, available from Tannis Peacock in Room D127, to your Program Coordinator.

# **Emergency Evacuation**

* Evacuate buildings when a fire alarm is activated or an official announcement is given. Review [evacuation guidelines](http://www.georgiancollege.ca/about-georgian/campus-safety-and-security/fire--tab/).
* Students requiring assistance in emergency situations must inform their faculty during the first week of class.
* Familiarize yourself with all fire exit doors of classrooms and buildings you may occupy.
* Do not re-enter a building until instructions are given by the Fire Department or college personnel.

# **Lockdown**

* Lockdown is initiated when there is a potential or actual violent incident on campus that could result in a serious injury or threat to life.
* Students can download the new safe@georgian app (available mid-January) to stay updated on Campus Safety and Security information including lockdown.
* Familiarize yourself with the [College Lockdown procedure](http://www.georgiancollege.ca/wp-content/uploads/Lockdown.pdf) (pdf).
* Lockdown tests occur each semester.

# **Resources**

* [Get Out, Hide, Fight Lockdown Video](http://youtu.be/JA8cckMbVDk)
* NEW Lockdown Model – [Get Out, Hide, Fight: Lockdown Tools and Tactics and FAQs](http://www.georgiancollege.ca/about-georgian/campus-safety-and-security/lockdown--tab/).

# **Sexual Violence Procedure and Protocol**

* All members of the Georgian College community have a right to work and study in an environment that is free from sexual violence.
* The College is committed to preventing sexual violence and creating a safe space for anyone in the College community who has experienced sexual violence.
* All reported incidents of sexual violence will be investigated to the best of the administration’s ability and in a manner that ensures due process.
* Familiarize yourself with the [Sexual Violence Procedure and Protocol](http://www.georgiancollege.ca/wp-content/uploads/GeorgianSexualViolenceProcedureMarch31final.pdf) (pdf).

# **Unscheduled Campus Closure**

* Reference: [Unscheduled Campus Closure Procedure #2-102](http://www.georgiancollege.ca/about-georgian/campus-safety-and-security/campus-closures-tab/)

# **Timing of Closures/Notification:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Closure** | **Decision** | **Communication / Notification\*** | **Notes** |
| **College has made the decision to close a campus or location in the morning:** | 6:00 a.m. | By 6:30 a.m. | If re-opening for noon or evening classes is being considered, this will be mentioned in the message |
| **College closes a campus(s) in the morning and expects to re-open by 12:00 noon** | 9:30 a.m. | By 10:00 a.m. | Only affects classes beginning at 12 noon or later |
| **Closure expected to continue past 12:00 noon** | 9:30 a.m. | By 10:00 a.m. |  |
| **College intends to re-open for evening classes which commence at 5 p.m. or later** | 2:30 p.m. | By 3:00 p.m. |  |
| **College intends to NOT re-open for evening classes:** | 2:30 p.m. | By 3:00 p.m. |  |

\*Notification will be made via:

* College web site
* Radio and television announcements through local and regional media
* College telephone system automated message
* Blackboard
* All student email to college accounts
* Georgian College Facebook site
* Georgian College Twitter feed