# Meeting Time & Location

Wednesday, 3:00 pm – 6:00 pm, room# N102 (GC Flex Classes)

**GC Flex** gives students choice and flexibility. Using technology-enabled, purpose-designed learning spaces, professors deliver lectures and labs in the classroom and simultaneously online. Students can participate on campus or online during class or review course materials online later. **Note:** Although all course deliverables can be completed online, there will be due dates for assignments/tests. Some classes **may have synchronous evaluation components** required by a program’s accrediting body. Students should consult their course syllabus for details.

# Course Description

Working alone or in a small team, students research, design, develop, and implement an applied Big Data Analytics Research Project to satisfy a real organizational or community need. Students are expected to apply all their knowledge and skills to produce a functioning prototype of their project idea.

# Resources

Lecture Notes via Blackboard

# Instructor

Rick Lambroff

[Richard.Lambroff@GeorgianCollege.ca](mailto:Richard.Lambroff@GeorgianCollege.ca)

# Office Hours

Email for scheduling appointment

# Expectations for Success

To be successful in this course you need to attend class regularly, ask for help when you need it, and strive to complete all work to the best of your ability within the required time frames. Courses at the post-graduate level require a minimum grade of 60% to fulfill graduation requirements.Please refer to the ***Georgian College Academic Policies and Procedures***, available at: <http://www.georgiancollege.ca/admissions/policies-procedures/>

# Evaluation

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| --- | --- |
| **Group Class Assignments (35%)** |  |
| Project status updates (Weekly) | 20 % |
| Weekly Development Progress Status | 15% |
| **Individual Class Assignment (5%)** |  |
| Tell Us About Yourself | 5% |
| **Group Mid-Term Project (20%)** |  |
| Mid-Term Presentation Report | 20% |
| **Group Major Research Project – MRP (40%)** |  |
| Final Client Presentation | 30 % |
| Final Project Close-Out | 10 % |
| **Course Content**   * Management of data analytics projects * Ethics and standards of practice * Measurement of project outcomes * Alignment with client objectives * Implementation of research plans * Team and stakeholder communication plans * Data security and protection of privacy * Analytical tools and techniques for data analytics projects * Development of insights and recommendations * Effective communications of data analysis |  |
| **Course Learning Outcomes:**   1. Conduct a data analytics research project 2. Use data analytics tools and techniques to produce an analysis that meets an organizational or community need 3. Communicate results of an analysis to stakeholders 4. Recommend different systems architectures and data storage technologies to support a data analytics project 5. Employ project management practices and procedures to manage business requirements and project responsibilities 6. Apply basic entrepreneurial strategies to identify and respond to new opportunities and/or overcome challenges |  |
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# Schedule of Activities

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| --- | --- | --- | --- | --- |
| WEEK | LESSON |  | | DUE |
| 1 | **Introduction/Course Overview/Team Management**  *Initial check-ins with project groups* | |  | Jan 11th |
| 2 | ***Tell Us About Yourself due***  ***Weekly Status Report***  Groups work on project | |  | Jan 18th |
| 3 | ***Weekly Status Report***  Groups work on project | |  | Jan 25th |
| 4 | ***Weekly Status Report***  Groups work on project | |  | Feb 1st |
| 5 | ***Weekly Status Report***  Groups work on project | |  | Feb 8th |
| 6 | ***Weekly Status Report***  Groups work on project | |  | Feb 15th |
| 7 | ***Mid-Term Presentation & Report due***  ***Weekly Status Report*** | |  | Feb 22nd |
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| WEEK | LESSON |  | DUE |
| 8 | ***No Class – Reading Week (Feb 27th – Mar 3rd )***  ***Weekly Status Report***  Check- ins with project groups re: Final Presentations |  | Mar 8th |
| 9 | ***Weekly Status Report***  Groups work on Final Presentations |  | Mar 15th |
| 10 | ***Weekly Development Progress Status Report (Group Video Presentation) due***  Groups work on Final Presentations |  | Mar22nd |
| 11 | ***Weekly Development Progress Status Report (Group Video Presentation) due*** |  | **Mar 29th** |
| 12  13/14 | **Final Presentations**  Project Close Out |  | **Apr 5th**  **Apr 12th & 19th** |

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

Emergency evacuation

•     Evacuate buildings when a fire alarm is activated or an official announcement is given.

•     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.

<http://www.georgiancollege.ca/about-georgian/campus-safety-and-security/fire--tab/>

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 are notified of a lockdown through mass communication systems. Instructions for students to sign up for text message alerts can be found on the main menu page of Banner, “Lockdown Alerts”.

•    Familiarize yourself with the College Lockdown procedures:

<http://www.georgiancollege.ca/about-georgian/campus-safety-and-security/lockdown--tab/>

•    Lockdown tests will occur each semester.

Sexual violence

- Learn about options and resources available to those who require support or who wish to support others.

<http://www.georgiancollege.ca/about-georgian/campus-safety-and-security/sexual-violence-tab/>

Campus closures

- Weather can impact driving conditions and operations at Georgian College campuses.  It’s important to consider your personal safety in deciding when to come to class or to work.

<http://www.georgiancollege.ca/about-georgian/campus-safety-and-security/campus-closures-tab/>

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