COMP1008 Intro to Java Programming

Course Syllabus

Course Description:

In this course, students learn to program using an object oriented programming language. Students build skills in creating programs that use the object-oriented programming methodology, API classes, and user-defined classes. Throughout the course, proper program documentation using class diagrams and code comments are stressed. Unit testing is also introduced to help students learn to ensure program quality

Faculty Information:

Ben Blanc

Office: A204
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Office Hours: By appointment only

Course Learning Outcomes:

In this course, students learn to program using an object-oriented programming language. Students build skills in creating programs that use the object-oriented programming methodology, API classes, and user-defined classes. Throughout the course, proper program documentation using class diagrams and code comments are stressed. Unit testing is also introduced to help students learn to ensure program quality.

Class Schedule:

Lecture/Lab   Thursdays   12:00-14:50   A254

No classes on: Monday, February 17, 2025 (Family Day – University/College Closed)
                        Monday, February 17 to Friday, February 21, 2025 (Study Week)

Last class is Friday April 4th, 2025.
Final exam will take place in following weeks.

Evaluation/List of Assessments:

You will be evaluated in this course using assignments and tests.
Grading criteria will be provided with each assignment's instructions.

Assignments - see Sequence of Topics for due dates	40%
Mid-Term Exam - see Sequence of Topics for date	25%
Final Exam – completed during final exam period	35%
Total	100%

Course Resources

Java – How to Program 11th Edition. Paul Deitel & Harvey Deitel
https://www.amazon.ca/Java-Program-Early-Objects-11th/dp/0134743350

Sequence of Topics:

This is a tentative schedule of topics and is subject to change. The faculty reserves the right to change/alter the schedule of topics from time to time.

Week/Date	Key Topics	Assignment	Exam
One Jan 9	Review Intro to Java Concepts Chapters 2 - 5		
Two Jan 16	Collections, loops, and iterators Chapters 5 - 7		
Three Jan 23	Classes, Objects and Unit Testing Chapter 8	Assignment One Distributed	
Four Jan 30	Inheritance, Polymorphism & Interfaces Chapters 9 & 10		
Five Feb 6	Exception Handling Chapter 11	Assignment One Due 10%	
Six Feb 13	GUI: JavaFX Intro Chapter 12	Assignment Two Distributed	
Feb 20	**Reading Week (No Class)**		
Seven Feb 27	**None**		Mid-Term Exam 25%
Eight Mar 6	GUI: JavaFX Continued Chapter 13	Assignment Two Due 10%	
Nine Mar 13	String Class & Regular Expressions Chapter 14	Assignment Three Distributed	
Ten Mar 20	File Manipulation Chapter 15		
Eleven Mar 28	GUI Part 3		
Twelve Apr 4	Review / Catch-Up Week	Assignment Three Due 20%	
Exam Period			Final Exam 35%

Expectations for Successful Participation:

1. Attend every class (and if you cannot, ask a learning partner to help you catch up).
2. Check D2L regularly for announcements, reading and work assignments and course updates.
3. Ask questions if you need clarification (in class; via email; or by telephone). Email will receive a speedier response to questions than leaving a voicemail message. Please ensure that you "sign" your email with your name and course number.
4. Keep up with your course work. Read the designated material and complete the assigned homework so that you can come to class prepared to discuss the issues and concepts during class time.
5. Submit your assignments by the deadline! You are strongly advised not to wait until the last minute to submit your assignments in case you have computer problems.

Academic and Student Code of Conduct Policies:

Academic and student policies and procedures for those enrolled in the Lakehead-Georgian programs can be found on the Lakehead-Georgian D2L.

All Lakehead-Georgian programs will follow the Lakehead Regulations as list in the Lakehead University Academic Calendar (http://csdc.lakeheadu.ca/Catalog/ViewCatalog.aspx?pageid=viewcatalog&catalogid=24&chapterid=6347&loaduseredits=False). The University Regulations include but are not limited to Registration, Examinations, Reappraisals and Academic Appeals, Special Examinations, Academic Misconduct, Withdraw, and Timely Feedback. Additional Faculty Regulations may also apply. Please review the Academic Calendar.

The Lakehead University Code of Student Behaviour and Disciplinary Procedures as applied to Academic Misconduct will apply to all Lakehead-Georgian students regardless of campus of study (https://www.lakeheadu.ca/faculty-and-staff/policies/student-related/code-of-student-behaviour-and-disciplinary-procedures).

The Georgian College Student Code of Conduct will apply to the Lakehead-Georgian students studying at the Barrie campus (http://www.georgiancollege.ca/student-code-of-conduct/). Additional campus policies of Sexual Violence Procedure and Protocol (http://www.georgiancollege.ca/wp-content/uploads/GeorgianSexualViolenceProcedureMarch31final.pdf) and Information Technology Acceptable Use Procedure (http://www.georgiancollege.ca/wp-content/uploads/2-117IT-acceptable-use.pdf) also apply.

The Lakehead University Code of Student Behaviour and Disciplinary Procedures as applied to Non-Academic Misconduct will apply to the Lakehead-Georgian students studying at the Orillia campus (https://www.lakeheadu.ca/faculty-and-staff/policies/student-related/code-of-student-behaviour-and-disciplinary-procedures).

Plagiarism:

Plagiarism and academic dishonesty: Plagiarism is an extremely serious academic offence and carries penalties varying from failure in an assignment to debarment from the University. As noted in the University Calendar (**University Regulation IX Academic Misconduct**): (http://csdc.lakeheadu.ca/Catalog/ViewCatalog.aspx?pageid=viewcatalog&catalogid=24&chapterid=6364&loaduseredits=False)

Course Policies:

Provide course specific policies. Suggestions include:

- You have 2 weeks to completed assignments.
- Assignments must be demonstrated in person to receive credit.

Student Guide: https://www.lakeheadgeorgian.ca/wp-content/uploads/2018/08/2018-2019-LUGC-Student-Guide.pdf

Student Services and Supports:

Advisors:
- First point of contact for transition support; ask any question and together we will find the answers!
- We will offer correct referrals and connections to the supports that you may need
- We can show you how to learn more effectively and efficiently with study skills including time and task management, note-taking, effective studying, giving a presentation and taking tests (http://library.georgiancollege.ca/study_skills)

Call **705.728.1968 ext. 1307** to book an appointment and meet your advisor.

Learning Centres:

- Our Centres include (drop-in, telephone, skype and 1:1 appointments)
- **Writing Support** (http://library.georgiancollege.ca/writing_centre)
    - Get free help with your writing assignments!
    - Create outlines for assignments and work on sentence structure and paragraph development
    - Access resources to check your references (e.g. APA or MLA)
- **Math Support** (http://library.georgiancollege.ca/math_centre)
    - Get free help with math!
    - Make sense of math questions; Understand word problems; Work with formulae

Peer Tutors: (http://library.georgiancollege.ca/tutoring)
Available to all students to facilitate understanding of course content. To find out more about one-on-one tutors, make an appointment with the Peer Services Advisor.

Accessibility Services:
(http://www.georgiancollege.ca/student-life/student-services/accessibility-services/)
If you are a student experiencing a disability who may require academic accommodations and have not yet registered with Accessibility Services, please contact their office at (705) 722-1523 or visit their offices in B110. You must be registered with Accessibility Services to access academic accommodations. Support for those students whose success at college may be affected by a disability include:

- Ongoing support from our Accessibility Advisors including arranging a confidential psychoeducational assessment
- Training in the use of specialized computer technology
- Classroom and test accommodations

Library: (http://library.georgiancollege.ca/main)
- Assignment Help (find books, articles and websites on your topic)
- Computer Help (Microsoft Office Suite, Blackboard, Banner)

Testing Services:
(http://www.georgiancollege.ca/student-life/student-services/testing/)
- Accommodated testing
- Missed/Makeup testing
- Proctoring services are also available for external and Ontario Learn exams

Counselling: (http://www.georgiancollege.ca/student-life/student-services/counselling/)
Free, confidential counseling is provided to all students by phone and/or office appointments
- Counselors are on call every day of the week for urgent needs or students can book an appointment

Career Success: (http://www.georgiancollege.ca/student-life/student-services/co-op-and-career-services/)
Career assessments and exploring options
- Job search workshops
- Labour market information
- Resume/cover letter help
- Interview practice
- Graduate employment information
- Links to job postings and online resource

Campus Safety and Security Syllabus Addendum:

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 to stay updated on Campus Safety and Security information including lockdown.**
- Familiarize yourself with the College Lockdown procedure (pdf). (http://www.georgiancollege.ca/wp-content/uploads/Lockdown.pdf)
- Lockdown tests occur each semester. Winter 2018 Test TBA.

Resources:

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

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 <u>in the morning</u>:	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 <u>expects to re-open by 12:00 noon</u>	9:30 a.m.	By 10:00 a.m.	Only affects classes beginning at 12 noon or later
Closure expected to continue <u>past 12:00 noon</u>	9:30 a.m.	By 10:00 a.m.	
College intends to <u>re-open for evening classes</u> which commence at 5 p.m. or later	2:30 p.m.	By 3:00 p.m.	
College intends to <u>NOT re-open for evening classes</u>:	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
- A message will be posted by the LUGC secretariat on the Student Resource D2L page
- Georgian College Facebook site
- Georgian College Twitter feed
- SAFE@Georgian app