# Meeting Time & Location

Monday, 8:00-11:00, E208

# Course Description

Building on the concepts from Introduction to Object-Oriented Programming, this course introduces techniques that lend themselves to the creation of sophisticated applications. The skills learned in this course can be applied to such diverse system capabilities as e-commerce, database manipulation, and network connectivity. Graphical user interface design and construction will also be covered in detail.

# Resources

Text: Java – How to Program 11th Edition. Paul Deitel & Harvey Deitel

Blackboard

# Instructor

Name: Jaret Wright

Office: A155-B

Email: Jaret.Wright@GeorgianCollege.ca  
Phone: (705) 728-1968 ext. 1873

# Office Hours

Monday 11:00-12:00

Wednesday 2:00-3:00

Thursday 2:00-3:00

# Expectations for Success

Instructor responsibilities: Jaret Wright

I will:

* Be prepared for class
* Provide real-life context and examples when possible
* 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 interesting and engaging manner
* This is OUR course – I am very open to feedback.

Student responsibilities:

* ***It is not enough to attend class regularly, you MUST actively challenge your mind by building code, creating small proof of concept programs and experiment with the technology***
* Ask for help as often as you require it
* Follow along with the required reading in the text
* Check the blackboard site at least once per week
* Understand how you learn (so you can learn more efficiently)
* Enjoy the process of learning something new and challenging yourself
* Create a learning environment free of distractions
* ***Include a descriptive subject, your full name and use proper English if you are requesting anything via email.***

# Evaluation

|  |  |
| --- | --- |
| In-Class Exercises | 10% |
| Assignment 1 | 20% |
| Assignment 2 | 20% |
| Test 1 | 10% |
| Test 2 | 15% |
| Test 3 | 25% |
|  | 100% |
|  |  |

# Schedule of Activities

|  |  |  |  |
| --- | --- | --- | --- |
| WEEK | LESSON |  | DUE |
| 1-Jan 22 | Orientation – no class – watch videos and practice! |  |  |
| 2-Jan 29 | Review OO & exceptions (Chapters 8-11) |  |  |
| 3-Feb 5 | JDBC (Chapter 24) |  |  |
| 4-Feb 12 | MVC and test 1 |  | 10% |
| 5-Feb 19 | Family Day – watch videos on GUI |  |  |
| 6-Feb 26 | Strings and regular expressions (Chapter 14)-assignment 1 due |  | 20% |
| 7-Mar 5 | Generic Collections (Chapter 16) |  |  |
| 8-Mar 12 | Mid-term exam |  | 15% |
| 9-Mar 19 | Lambdas and Streams (Chapter 17) |  |  |
| 10-Mar 26 | Threads and concurrency (Chapter 23) |  |  |
| 11-Apr 2 | Threads and concurrency (Chapter 23) |  |  |
| 12-Apr 9 | JSON processing – Assignment 2 due |  | 20% |
| 13-Apr 16 | Course review |  |  |
| 14-Apr 23 | Final Exam |  | 25% |
|  |  |  |  |

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