COQUITLAM COLLEGE
Established 1982

COURSE OUTLINE

Last Revised: May 2002

COURSE INFORMATION

Course Title: Introduction to Internet Programming using Java **Course Number:** CSCI 117 **Credits:** 3

Total Weeks: 14 (Fall, Spring) **Total Hours:** 39 **Course Level:** ☒ First Year ☐ Second Year
12 (Summer) ☐ New ☐ Revised Course
☐ Replacement Course

Department: Computer Science **Department Head:** M. O'Connor **Former Course Code(s) and Number(s) (if applicable):** N/A

Pre-requisites (If there are no prerequisites, type NONE): CSCI 101

Co-requisite Statement (List if applicable or type NONE): NONE

Precluded Courses: N/A

COURSE DESCRIPTION

This course is an introduction to programming using the Java language and will provide students with a good working knowledge of this language. Students will be introduced to the principles of object-oriented analysis and design and will study some of the tools and techniques required to develop Internet based applications.

LEARNING OUTCOMES

Upon successful completion of the course, students will be able to:

- Review the fundamental programming concepts with respect to the Java language
- Consider the essential object-oriented programming concept of inheritance
- Have knowledge of error handling routines
- Differentiate Java language from other languages, such as the Abstract Window Toolkit and applets
- Discuss some of the latest developments in the language

INSTRUCTION AND GRADING

Instructional (Contact) Hours:

Type	Duration
Lecture	39
Seminars/Tutorials	
Laboratory	
Field Experience	
Other (*specify):*	
Total	39

Grading System: Letter Grades ☒   Percentage ☐   Pass/Fail ☐   Satisfactory/Unsatisfactory ☐   Other ☐

Specify passing grade: 50%

Evaluation Activities and Weighting (total must equal 100%)

Assignments: 20%	Lab Work: %	Participation: %	Project: %
Specify number of, variety, and nature of assignments:		*Specify nature of participation:*	*Specify nature of project:*
Quizzes/Test: 15%	Midterm Exam: 25%	Final Exam: 40%	Other: % *Specify:*

TEXT(S) AND RESOURCE MATERIALS

Provide a full reference for each text and/or resource material and include whether required/not required.

Java – An Introduction to Computer Science and Programming, Second Edition, Walter Savitch, Prentice-Hall, 200, ISBN: 0-13-031697-0

COURSE TOPICS

List topics and sequence covered.

Week	Topic
Week 1	History of the Java Language
Week 2	Using a Java Integrated Development Environment
Week 3	Java Byte Code
Week 4	Primitive Types and Strings
Week 5	Classes
Week 6	Objects
Week 7	**MIDTERM EXAM**
Week 8	Methods
Week 9	Inheritance
Week 10	Event-Driven programming using the AWT
Week 11	Exception Handling
Week 12	Applets
Week 13	Review
Week 14	**FINAL EXAM**

NOTES

1. Students are required to follow all College policies. Policies are available on the website at: Coquitlam College Policies
2. To find out how this course transfers, visit the BC Transfer Guide at: bctransferguide.ca