MESABI RANGE COMMUNITY & TECHNICAL COLLEGE – VIRGINIA/EVELETH

Course Outline

Course Title:	**Java Programming**	**Submitted By:**	**R. Booth**
Semester Course Prefix and Number:	**CSCI 2461**	**Approval Date:**	
Old Quarter Course Prefix and Number:		**Revision Date:**	**Feb. 2002**

Number of Credits:	**4**	**Number of Lecture Credits:**	**4**
Semester(s) Offered:	**Fall**	**Number of Lab Credits:**	**Number of Lab Hours:**
Negotiated Class Size:		**Number of Studio/Demonstration/Internship Credits:**	

Course Purpose Code:

_____ **0 –** Developmental Courses
_____ **1 –** Non-transferable, General Education
_____ **2 –** Technical course related to career programs
_____ **3 –** College course which has the primary goal of applying certain concepts (e.g. vocal ensemble)
__X__ **4 –** Other college course not considered a part of general education (MNTC) e.g. computer science, health, physical education
_____ **5 –** Course which is intended to fulfill the Minnesota Transfer Curriculum (MNTC) requirements.
_____ **9 –** Continuing Education/Customized Training specialized credit course (not occurring in 0-5)

Catalog Description:
This course provides an introductory overview of the Java programming language including its main features and advanced constructs. The course covers programming fundamentals, compilation, and execution of Java programs and Java applets.

Prerequisites and/or recommended entry skills/knowledge:

Course Prerequisite(s):	Two programming courses or consent of instructor
Reading Prerequisite:	None
Composition Prerequisite:	None
Mathematics Prerequisite:	None

Career Programs and Transfer Majors Accessing this Course:
Computer Programming

Minnesota Transfer Curriculum Goal(s) partially met by this course if applicable: Notes: No more than two goals may be met by any one course. (Curriculum Committee review and the Chief Academic Officer's approval are required).

0. __X__ None
1. _____ Communications
6. _____ The Humanities and Fine Arts
7. _____ Human Diversity

2. _____ Critical Thinking
3. _____ Natural Sciences
4. _____ Mathematical/Logical Reasoning
5. _____ History and the Social and Behavioral Sciences
8. _____ Global Perspectives
9. _____ Ethical and Civic Responsibility
10. _____ People and the Environment

Learning outcomes, including any relevant competencies listed in the Minnesota Transfer Curriculum:
The student will learn:
1. to use classes, objects, methods and properties.
2. about input, selection and repetition.
3. about arrays and strings.
4. about applets.
5. about graphics.
6. about inheritance.
7. how to compile and view Java programs and applets.
8. about Java as an event driven language.

Student assessment methods:
Lab exercises
Unit exams

Use of instructional technology (includes software, interactive video and other instructional technologies):
Computer with Java required

Outline of the major course content:
Java as an object oriented language
Variables, constants, data types, and variable scope
Decisions and constants
Writing Java functions
Responding to events
Working with graphics
Recursion

Additional special information (special fees, directives on hazardous materials, etc.)

Transfer Information: (Please list colleges/majors that accept this course in transfer.)

Approvals:

Body	Representative Signatures	Date
Curriculum Committee		

Faculty Association		
Meet and Confer		
Chief Academic Officer		

Distribution: Original – Administrative Office, Library, Learning Center, Records, Student Services, Curriculum Committee Chair