MESABI RANGE COMMUNITY & TECHNICAL COLLEGE – VIRGINIA/EVELETH

Course Outline

Course Title:	**Visual Basic II**	**Submitted By:**	**R. Booth**
Semester Course Prefix and Number:	**CSCI 2492**	**Approval Date:**	
Old Quarter Course Prefix and Number:		**Revision Date:**	**Feb. 2002**

Number of Credits:	**3**	**Number of Lecture Credits:**	**3**
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 is the second course in Visual Basic. The primary emphasis in this course is teaching students to create client applications that access and maintain data from a database. The students will look at Visual Basic user defined classes, data files, grids, validation, sorting, drag and drop, and graphics.

Prerequisites and/or recommended entry skills/knowledge:

Course Prerequisite(s):	CSCI 1491, Visual Basic I
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
2. ____ Critical Thinking
3. ____ Natural Sciences
4. ____ Mathematical/Logical Reasoning
5. ____ History and the Social and Behavioral Sciences
6. ____ The Humanities and Fine Arts
7. ____ Human Diversity
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. about object oriented Visual Basic programming.
2. about data file input and output.
3. how to access and maintain a data base with Visual Basic.
4. to work with tools that work with data bases such as grids.
5. about drag and drop methodology in Visual Basic.
6. to create graphical annotation.
7. cover other advanced topics such as Active X, Multiple Document Interface, report design, and object linking.

Student assessment methods:
Lab exercises
Unit exams

Use of instructional technology (includes software, interactive video and other instructional technologies):
A computer with Visual Basic 6.0. A student version of the software is supplied with the book.

Outline of the major course content:
Object oriented programming in Visual Basic
Data files
Accessing data base files
Data grids, validation, selection, sorting
Drag and drop
Graphics
Advanced topics in Visual Basic

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