MESABI RANGE COMMUNITY & TECHNICAL COLLEGE

Course Outline

Course Title: Visual Basic I **Submitted**
Semester Course Prefix and Number: CSCI 1491 **Approval Date:**

Old Quarter Course Prefix and Number: **Revision Date:**

Number of Credits: 3 **Number of Lecture Credits: 2**
Semester(s) Offered: **Number of Lab Credits: 1 Number of Lab Hours:1**
Class Size: **Number of Studio/Demonstration/Internship Credits:**
Negotiated by AASC on:
(date)

Course Purpose Code:

_____ **0 –** Developmental Courses
_____ **1 –** Non-transferable
_____ **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 MNTC (e.g. computer science, health, physical education)
_____ **5 –** Course which is intended to fulfill the Minnesota Transfer Curriculum (MNTC) requirements or intended for transfer.
_____ **9 –** Continuing Education/Customized Training specialized credit course (not occurring in 0-5)

Catalog Description:
Visual Basic I introduces computer programming in the windows, graphical user interface(gui), event driven Visual Basic programming language. Students will learn the programming concepts used to design, build and maintain their own on-line, windows programs.

Prerequisites and/or recommended entry skills/knowledge:
Course Prerequisite(s): One previous programming language or consent of instructor.
Reading Prerequisite: None
Composition Prerequisite: None
Mathematics Prerequisite: None

Career Programs and Transfer Majors Accessing this Course:
Computer Science Programs

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)

Upon completion of this course, the student will be able to:

1. Create on-line, windows programs.
2. Work with objects' in Visual Basic
3. Use the Visual Basic toolbox to create interface screens.
4. Create event procedures using Visual Basic

Student Assessment Methods:

Test and lab exercises.

Use of Instructional Technology: (includes software, interactive video and other instructional technologies):

Computer with Visual Studio 2005

Outline or Statement of Major Course Content:

The Visual Studio 2005 Integrated Development Environment
The Visual Basic toolbox
Data definition
Decision making
Visual Basic forms
Fundamental graphical user interface operations

Additional Special Information: (special fees, directives on hazardous materials, etc.)

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

NEHED colleges

Approvals:

Body	Representative Signatures	Date
Curriculum Committee		
Faculty Association		
Academic Affairs Standards Committee		
Chief Academic Officer		

Distribution: Original – Instructional Services
Copies: Transfer Specialist, Originating Faculty Member, Records
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