

MESABI RANGE COMMUNITY & TECHNICAL COLLEGE

Course Outline

Course Title: Visual Basic I
Semester Course Prefix and Number: CSCI 1491
Old Quarter Course Prefix and Number:

Submitted by:
Approval Date:
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)
- 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. <input checked="" type="checkbox"/> None | 6. <input type="checkbox"/> The Humanities and Fine Arts |
| 1. <input type="checkbox"/> Communications | 7. <input type="checkbox"/> Human Diversity |
| 2. <input type="checkbox"/> Critical Thinking | 8. <input type="checkbox"/> Global Perspectives |
| 3. <input type="checkbox"/> Natural Sciences | 9. <input type="checkbox"/> Ethical and Civic Responsibility |
| 4. <input type="checkbox"/> Mathematical/Logical Reasoning | 10. <input type="checkbox"/> People and the Environment |
| 5. <input type="checkbox"/> History and the Social and Behavioral Sciences | |

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
Revised: March 2010