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  
Semester(s) Offered:  
Class Size:  
Negotiated by AASC on: (date)  

Number of Lecture Credits: 2  
Number of Lab Credits: 1  
Number of Lab Hours: 1  
Number of Studio/Demonstration/Internship Credits:  

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. 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:**

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**Distribution:** Original – Instructional Services

**Copies:** Transfer Specialist, Originating Faculty Member, Records

**Revised:** March 2010