

MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE

COURSE OUTLINE

DEPT. CSCI

COURSE NUMBER: 1110

NUMBER OF CREDITS: 2

Lecture: 2 Lab: 0 OJT 0

Course Title:

Concepts of Coding

Catalog Description:

Concepts of Coding exposes the student to computer science foundation logic within a friendly, game-like, coding environment, using JavaScript to generate immediate interactive results.

Prerequisites or Necessary Entry Skills/Knowledge:

None

FULFILLS MN TRANSFER CURRICULUM AREA(S) (*Leave blank if not applicable*)

- Goal 1: Communication: By meeting the following competencies:
- Goal 2: Critical Thinking: By meeting the following competencies:
- Goal 3: Natural Sciences: By meeting the following competencies:
- Goal 4: Mathematics/Logical Reasoning: By meeting the following competencies:
- Goal 5: History and the Social and Behavioral Sciences: By meeting the following competencies:
- Goal 6: The Humanities and Fine Arts: By meeting the following competencies:
- Goal 7: Human Diversity: By meeting the following competencies:
- Goal 8: Global Perspective: By meeting the following competencies:
- Goal 9: Ethical and Civic Responsibility: By meeting the following competencies:
- Goal 10: People and the Environment: By meeting the following competencies:

Topics to be Covered

Basic programming

Drawing basics

Coloring

Variables

Animation basics

Text

Functions

Logic and If Statements

Looping

Arrays
Objects
Object-oriented design

Student Learning Outcome

Communicate, from a distance, with instructor, mentor, tutors and peers as part of the class team.

Describe the fundamentals of programming logic.

Interact with the JavaScript language in a friendly, game-like, coding environment.

Explain immediate interactive results.

Troubleshoot and correct inaccurate results.

Is this course part of a transfer pathway: Yes No

***If yes, please list the competencies below**

Revised Date: 1/18/2022