

# MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE

## COURSE OUTLINE

**DEPT. CSCI**

**COURSE NUMBER: 1110**

**NUMBER OF CREDITS: 2**

**Lecture: 2 Lab: 0 OJT 0**

<b>Course Title:</b>
Concepts of Coding

<b>Catalog Description:</b>
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.

<b>Prerequisites or Necessary Entry Skills/Knowledge:</b>
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:

<b>Topics to be Covered</b>
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.

<b>Is this course part of a transfer pathway:</b> <b>Yes</b> <input type="checkbox"/> <b>No</b> <input checked="" type="checkbox"/>	
<i>*If yes, please list the competencies below</i>	

Revised Date: 1/18/2022