

## ASSESSMENT REPORT 2020-2021

**Software Systems Design**  
(Instructional Degree Program)

**MSSD**  
(Degree Level)

### **Program Mission:**

The general mission of the SSD Program in the Department of Media Arts & Technology is to educate students in the technical skills, theoretical underpinnings, and the sociocultural context for the field of software development. SSD seeks to inspire students to work creatively and collaboratively towards the goal of contributing to our own communities and to innovate and excel in the software landscape. Collaboration, experimentation and a drive to push the boundaries of current technology platforms.

### **Student Learning Outcome 1:**

Students will demonstrate the ability to write programs across a variety of language types, showing an understanding of syntax, logic, and objected oriented programming.

### **NMHU Traits Specifically Linked to Student Learning Outcome 1**

- Effective Use of Technology

### **First Means of Assessment for Outcome 1:**

BSSD 6000 Principles of Software Development. 80% of students should be able to attain a grade of B or better on the midterm project covering multiple programming languages and written test.

### **Summary of Data:**

Number of Students Meeting Criterion:	1	Number of Students Not Meeting Criterion:	0
Total Number of Students Assessed:	1	Percent of Students Meeting Criterion:	100%

### **Interpretation of Results for Outcome 1:**

The student did and took on one research endeavor that was more complex than typically covered in the class. Because of the low students and lack of camaraderie opportunity, the written test was replaced with written papers and presentations of those papers to other faculty for the student to have varied feedback and interaction.

**Student Learning Outcome 2:**

Students will demonstrate their ability to visually present research to an audience.

**NMHU Traits Specifically Linked to Student Learning Outcome 2**

- Effective Communication Skills

**First Means of Assessment for Outcome 2:**

By end of the first academic year, students will deliver a qualifying Oral Exam to the faculty. Successful competition of the oral exam enables them to continue into the second year of the program. 95% of students should be able to pass this oral exam.

**Summary of Data:** No students eligible this year.

**Interpretation of Results for Outcome 2:** New students eligible for this in May 2022

**Student Learning Outcome 3:**

Students will be able to demonstrate the results of their research to an audience.

**NMHU Traits Specifically Linked to Student Learning Outcome 3**

- Mastery of Content Knowledge and Skills

**First Means of Assessment for Outcome 3:**

Students will use an Oral Examination to defend their field project or thesis to their graduate faculty committee. 80% of students should be able to pass this oral exam.

**Summary of Data**

Number of Students Meeting Criterion:	1	Number of Students Not Meeting Criterion:	0
Total Number of Students Assessed:	1	Percent of Students Meeting Criterion:	100%

**Interpretation of Results for Outcome 3:**

The student was well prepared and practiced by the time their presentation was scheduled. There were many technical challenges to demonstrate the project to the committee over zoom. We were able to solve it by loaning some equipment for a 3 camera setup and using filmed footage of the project working in closeup.