

**ASSESSMENT REPORT
2018-2019**

Software Systems Design MS
(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:	0	Number of Students Not Meeting Criterion:	0
Total Number of Students Assessed:	0	Percent of Students Meeting Criterion:	NA

Interpretation of Results for Outcome 1:

Due to lack of student need, this course was not offered in 2018, but it has been completed for 2019.

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

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 2:

We only had one student who returned full time for second semester. They showed a qualifying level of research and thought about their field project goals.

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:	3	Number of Students Not Meeting Criterion:	0
Total Number of Students Assessed:	3	Percent of Students Meeting Criterion:	100%

Interpretation of Results for Outcome 3:

We had three students completing this year. All students passed their projects. Some were of a lower caliber than desired. The student was recalcitrant and graded accordingly. As a result, we have become stricter about all committee members seeing the project working more than once before approval of oral examination dates.