

**ASSESSMENT REPORT  
2015-2016**

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

**BSDS**  
(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 object oriented code and a basic knowledge of how computer memory and architecture work in relation with their written software.

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

- Effective Use of Technology

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

SSD 340 Programming & Logic. 80% of students should be able to attain a grade of C or better on the final written exam and final programming project.

**Summary of Data:**

Number of Students Meeting Criterion:	4	Number of Students Not Meeting Criterion:	0
Total Number of Students Assessed:	4	Percent of Students Meeting Criterion:	100%

**Second Means of Assessment for Outcome 1:**

SSD 341 Applied Algorithms and Architecture. 80% of students should be able to attain a grade of C or better on the final written exam and final hardware project

**Summary of Data:**

Number of Students Meeting Criterion:	2	Number of Students Not Meeting Criterion:	0
Total Number of Students Assessed:	2	Percent of Students Meeting Criterion:	100%

### Interpretation of Results for Outcome 1:

**Undergraduate SSD students are performing well in both courses comprising this assessment, meeting the program's criterion for success (80%). Together these courses test students proficiency in technology across both software and hardware.**

### Student Learning Outcome 2:

Students will demonstrate effective essay writing and presentation skills.

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

- Effective Communication Skills

### First Means of Assessment for Outcome 2:

SSD 340 Programming & Logic. Students will write a research paper on an emerging concept in the field of software. 80% of students should be able to attain a grade of C or better.

### Summary of Data

Number of Students Meeting Criterion:	4	Number of Students Not Meeting Criterion:	0
Total Number of Students Assessed:	4	Percent of Students Meeting Criterion:	100%

### Interpretation of Results for Outcome 2:

**SSD students are meeting the criterion for success (80%) and currently exceeding expectations in their chosen areas of research.**

**Student Learning Outcome 3:**

Students will demonstrate mastery in their area of emphasis.

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

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

SSD 334 Practicum I and SSD 434 Practicum II. Students will create a project for a client and meet deadlines as agreed upon with client, demonstrating mastery of their emphasis area. 80% of students should be able to attain a grade of B or better.

**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:**

**Only one undergraduate student was eligible for this class, but they were able to effectively communicate with their client and deliver a project which the client was happy with. So happy that they wrote a letter of recommendation for the student, unprompted.**