ASSESSMENT REPORT
2014-2015

Software Systems Design BS   **BSDS**
(Instructional Degree Program   (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:

Data shows that students are able to effectively use technology in the field of software development. By the end of both courses, they have had experience with hardware and software in at least 2 languages.

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:

Students demonstrated effective research and presentation abilities. They were allowed to choose their own topics form a pool of choices. In the future we may open it up a bit more to broader interpretations.

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:		Number of Students Not Meeting Criterion:	
Total Number of Students Assessed:		Percent of Students Meeting Criterion:	%

Interpretation of Results for Outcome 3:

No undergraduate students were eligible to take this course during the semester.