

ASSESSMENT PLAN

Software Systems Design BS

BSSD

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 352 Javascript. 80% of students should be able to attain a grade of C or better on the final written exam and final programming project.

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

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 352 Javascript. 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.

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.

Utilization of Results:

Changes to Program Based on Results:

Retention Strategies: