

**ASSESSMENT PLAN  
2018-2019**

**Computer Science**

(Instructional Degree Program)

**M.S./M.A.**

(Degree Level)

**Program Mission:**

The mission of the Media Arts and Computer Science (MACS) M.S./M.A. Program is to provide students with a challenging, market relevant and high-quality education in computer science with focused concentrations in media arts and computer science.

**Student Learning Outcome 1:**

Understand graduate level computer science and media arts terminology, technology and programming methods.

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

- Mastery of Content Knowledge and Skills
- Critical and Reflective Thinking Skills
- Effective Use of Technology

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

Final grade from CS 600: Principles of Media Arts and Computer Science; interdisciplinary investigation of terminology, roots, assumptions and principles that underlie the meaning of media arts and computer science. Students mastery will be measured with a B or better in the course.

**Summary of Data:**

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

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

Final grade from CS 610: Multimedia Project Development; Thesis research preparation, development of research frameworks. Students mastery will be measured with a B or better in the course.

**Summary of Data:**

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

### Third Means of Assessment for Outcome 1:

Final grade from **CS 535: ST:Natural Language Processing**:

#### 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 1:

#### Student Learning Outcome 2:

Successfully apply knowledge of advanced programming methodology to complex problems in computer science.

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

- Critical and Reflective Thinking Skills
- Effective Use of Technology
- Effective Communication Skills
- Mastery of Content Knowledge and Skills

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

Final defense from CS 697: Field Project evaluating current individual field research and writing in preparation of graduate field project. Students' ability to successfully accomplish the above topics in their field project will be measured by an achievement of a P in their final grade and successful presentation and defense of their field project to their committee.

#### Summary of Data

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

#### Second Means of Assessment for Outcome 2:

Final defense from CS 699: Thesis evaluating current individual field research and writing in preparation of graduate thesis. Students' ability to successfully accomplish the

above topics in their thesis will be measured by an achievement of a P in their final grade and successful presentation and defense of their thesis to their committee.

**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 2:**

**Utilization of Results:**

**Changes to Program Based on Results:**

**Retention Strategies:**