WINONA STATE UNIVERSITY

COLLEGE OF SCIENCE AND ENGINEERING

DEPARTMENT OF MATHEMATICS AND STATISTICS

**Course Outline – STAT 495**

**Title:** Communication of Capstone Outcomes

**Number of Credits:** 3

**Catalog Description:** Students will disseminate the outcomes from their statistics capstone project in this course. Students will be required to create a professional poster, create and deliver a professional quality presentation, and write a detailed report of their capstone project outcomes. Prerequisites: STAT 395 – Professional Skill Development for Statistics and STAT 488- Statistics Projects or STAT 492 – Practicum in Statistics, or permission of instructor . Offered yearly.

**Possible Textbooks:**

* Smith-Worthington, D., Jefferson, S., (2010). Technical Writing for Success. Cengage Learning. ISBN: 978-0-538-45048-5
* Gurak, L., Dragga, S., (2000). Presentations for Technical Communication. Alley & Bacon Publishing. ISBN:978-0-205-29415-2
* Nicol, A., Pexman, P. (2010). Displaying Your Findings: A Practical Guide for Creating Figures, Posters, and Presentations, 6th Edition. American Psychological Association. ISBN:978-0-433-80707-7

**Topics Covered:**

1. Creating a Poster
	1. Critique, analyze, and evaluate past statistics posters using well-established rubrics
	2. Create a professional poster of the outcomes from their capstone project
2. Presentation
	1. Rubrics for the evaluation of professional presentations
	2. Create and present a professional quality presentation of the outcomes from their capstone project
3. Written Report
	1. Rubrics for the evaluation of technical writing and/or written reports
	2. Create a professional quality written document in which outcomes from their capstone project are discussed in detail

**Listing of Sections to be Covered:** Not applicable to this course, since there is no standard textbook. Chosen sections of any text should correspond to the topics outlined above.

**Remarks:** None.

**Approximate Pace of Coverage:** Not Applicable.

**Method of Instruction:** The method of instruction for this course will be lecture and discussions.

**Evaluation Procedure:**

Students will be required to

1. Create a poster of their findings
2. Create and present an oral presentation of their findings
3. Create a detailed written report of their findings

**Minnesota Transfer Curriculum:** none

**MnSCU Learning Outcomes:**

* This course will promote a student’s ability to construct a professional quality poster.
* This course will promote a student’s ability to create and deliver a professional quality presentation.
* This course will promote a student’s ability to produce a detailed written report of their capstone project.

**Possible Computer Software:** None

**Last Revised:** Spring 2014 by the Statistics Subgroup.