**UNIVERSITY OF ALASKA FAIRBANKS**  
**Student Learning Outcomes Assessment Plan**  
Statistics MS  
February 20, 2010

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| **MISSION STATEMENT:**                   | Students will master a wide variety of statistical tests, statistical procedures, sampling methodologies and will be able to design experiments and analyze data using software including SAS and R. | EXIT LEVEL: Evaluation of the students' research projects or theses  
ALUMNI: Follow the careers of Statistics Program graduates. | EXIT LEVEL: Examined by all members of the statistics faculty  
ALUMNI: Data compiled by statistics program coordinator |
| **GOAL STATEMENT:**                      | Students will understand and be able to use statistical theory | EXIT LEVEL: 1) Written and oral part of the comprehensive exam.  
2) Report by the student's advisor.  
ALUMNI: Follow the careers and further education of the graduates. Survey the graduates to see if their training was satisfactory. | EXIT LEVEL: Written assessed by the statistics faculty, oral assessed by graduate committee.  
ALUMNI: Contacts to be maintained by the statistics program coordinator. |
|                                           | Students will have consulting skills. | EXIT LEVEL: Student's achievement in the statistical consulting seminar  
ALUMNI: Follow the careers of graduates. | EXIT LEVEL: Ascertained by the faculty member in charge of the seminar.  
ALUMNI: Contacts to be maintained by the statistics program coordinator. |
|                                           | Students will display effective written communication skills. | EXIT LEVEL: 1) Statistics projects.  
2) Oral portion of Comprehensive exam. | EXIT LEVEL: Assessed by the statistics faculty at time of graduation. |