

# STAT 300W

## Statistics Communication

Fall 2012  
Day Course

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*Students requiring accommodations as a result of disability must contact the Centre for Students with Disabilities 778-782-3112 or csdo@sfu.ca*

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**Instructor: Marie Loughin (Statistics Major/Honor Students)**

**Prerequisite:**

Admission to the major or honors programs in statistics or actuarial science at SFU. Corequisite: STAT 350.

**Calendar Description:**

Guided experiences in written and oral communication of statistical ideas and results with both scientific and lay audiences. **Writing.**

**Outline:**

This course exposes students to some examples of writing in the field of statistics. These include technical reports for both statistical and lay audiences, consulting reports, and critiques (e.g. of the use of statistics in the media). A framework called The Statistical Method (MacKay and Oldford, Statistical Science, 2000) is used as a guideline for reports content and for conducting statistical work in general.

Writing requires an in-depth understanding of the subject matter. Therefore, **students are encouraged to take this course in their fourth year.** Completion of STAT 350 is highly recommended.

The course will give students the opportunity to receive feedback on their writing from the instructor, possibly a TA, and their classmates. Each student will complete several reports during the semester. The first draft of each report will be critiqued and returned. Students are expected to respond to the critiques and submit a final version. The final report will include an in-class, oral presentation. Report marks will be based both on writing technique and statistical content. In addition, students are expected to complete homework and in-class assignments, and will be marked on their contribution to seminar-type discussions led by the instructor.