

Statistics 517

Practice of Statistics

(see Course Descriptions for the applicable academic year: <http://www.ucalgary.ca/pubs/calendar/>)

Syllabus

Topics in this course will vary from year to year. The primary goals are:

1. To explore real-world data.
2. To learn some statistical analysis techniques not covered in standard courses.
3. To work as a member of a team.
4. To produce statistical reports.
5. To "think statistics".

Statistics 517 – Practice of Statistics H(3-1)

Outcomes: This is our capstone course intended for students in their final year of study. The emphasis is on how to address real world scientific and social issues by applying the various statistical methods acquired in the earlier years in a unified and appropriate way. This involves method selection, data handling, statistical computing, consulting, report writing and oral presentation, team work, and ethics.

The student successfully completing this course will be able to:

1. pay due attention to the nature, goal and background of scientific and social issues
2. be fully aware of the difficulty and the importance in getting the relevant data
3. pick the appropriate methods and carry out any necessary statistical computing and analysis
4. consult researchers and stakeholders in a professional manner
5. write up the research and analysis done and present the report effectively
6. work efficiently in a team
7. know the importance of professional ethics and do the best to adhere to them

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Combined from Stat 513/515

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Prereq/Coreq changed to Prereq and Recommendation note Fall 2009