

Statistics 257.001 Fall 2004 Final Exam Information

The date and location of the final exam are

- Friday, December 17, 2004, 9:00 a.m. – 12:00 p.m.
- Classroom Building 125 (CL 125)

Please ensure that you know where the location of the test room is and that you arrive at least 20 minutes before the exam is scheduled to start.

YOU MAY BE ASKED TO SHOW YOUR UNIVERSITY ID AT THE DOOR. YOU MAY NOT BE ALLOWED ENTRANCE INTO THE FINAL EXAM WITHOUT PROPER IDENTIFICATION.

Calculators: You are permitted to use a calculator on this exam. Be sure that your calculator is working and has fresh batteries!

Notes: You may prepare **ONE** 8.5×11 page (double-sided) of handwritten notes for your personal use during the examination. Except for this page of notes and a calculator, no other aids are allowed.

Examinable Material: The final exam will be comprehensive and will test all of the material covered in Statistics 257 this semester. This includes everything covered in lab, everything covered in lecture, and everything in *Elementary Survey Sampling, fifth edition* from Chapters 1, 2, 3, 4, 5 (excluding 5.10 and 5.11), 6, 7 (excluding 7.7), 8 (excluding 8.4, 8.9), 11 (excluding 11.5), 12.

Your Grade: Your final exam counts for 40% of your course grade. However, course grades are subject to (upward) adjustment based on superior performance on the final exam.

Web Resources: The Stat 257 website, found at

<http://www.math.uregina.ca/~kozdrn/Teaching/Regina/257Fall04/index.html>

contains links to all of the materials distributed in lecture this semester.

Make sure that this examination has 14 numbered pages

University of Regina
Department of Mathematics & Statistics
Final Examination
200430
(December 17, 2004)

Statistics 257-001
Applied Sampling Techniques

Name: _____ Student Number: _____

Instructor: Michael Kozdron

Time: 3 hours

Read all of the following information before starting the exam.

*You have 3 hours to complete this exam. Please read all instructions carefully, and check your answers. Show all work neatly and in order, and clearly indicate your final answers. Answers must be justified whenever possible in order to earn full credit. **Unless otherwise specified, no credit will be given for unsupported answers, even if your final answer is correct.** Several problems require written explanations in context. Only complete solutions written in the context specified by the problem will be awarded full points, and points will be deducted for incoherent, incorrect, and/or irrelevant statements.*

You may use standard notation; however, any new notations or abbreviations that you introduce must be clearly defined.

*Calculators are permitted; however, you must still show all your work. You are also permitted to have **ONE** 8.5×11 pages of handwritten notes (double-sided) for your personal use. Other than these exceptions, no other aids are allowed.*

Note that blank space is not an indication of a question's difficulty. The order of the test questions is essentially random; they are not intentionally written easiest-to-hardest.

*This test has **14** numbered pages with **12** questions totalling **200** points. The number of points per question is indicated.*

Solutions will be available on the Statistics 257 course web site after the examinations have all been graded.