STAT 7310 Section A01 Research Tools for Statistics Fall 2011

This course provides instruction in the use of a number of tools required for graduate level research in statistics. Topics include instruction in various software, such as $\mathbb{M}_{E}X$, R, SAS, etc. as well as Library usage, presentation and communication skills.

Time Location	MWF, 2:30 PM – 3:45 PM, unless otherwise noted. 316 Machray Hall, unless otherwise noted.
Instructor	Dave Gabrielson, et. al. 323 Machray Hall Telephone: 474-6688 Email: Dave_Gabrielson@UManitoba.CA
Web Pages	Department of Statistics: http://www.stats.umanitoba.ca/
Office Hours	Open drop in. (Or by appointment.)
Mark Breakdown	This course is evaluated on a Pass/Fail basis. You must complete and pass <i>all</i> given assignments. For purposes of this course, a "pass" on an assignment is when that assignment is completed to the instructors satisfaction. <i>Extensions for assignments will not be given.</i> Failure to submit any assignment by its due date will result in failure for this course. NOTE: If an instructor asks for further work on an assignment, they will give an additional deadline for that work.
Academic Dishonesty	It is important that you understand what constitutes academic dishonesty and that you are familiar with the very serious consequences. Links to resources that that describe academic dishonesty (including plagiarism, cheating, inappropriate collaboration and examination impersonation) can be found through the Faculty of Science home page at umanitoba.ca/science.

through the Faculty of Science home page at umanitoba.ca/science. Typical penalties imposed within the Faculty of Science for academic dishonesty are also described. See also the sections in THE UNIVERSITY OF MANITOBA UNDERGRADUATE CALENDAR 2011– 2012 dealing with academic integrity, including plagiarism, cheating and (im)personation at examinations.

Preliminary Schedule (subject to change)

Sept. 9	7310 Orientation
Sept. 12 Sept. 14 Sept. 16	断 _E X intro — history & background Class cancelled — Ph.D. Defence 断 _E X lab (311 Machray Hall) — basics
Sept. 19 Sept. 21 Sept. 23	断 _E X — sectioning, basic referencing 断 _E X — math display, fonts, theorems 断 _E X lab (311 Machray Hall) — graphics, figures, tables
Sept. 26 Sept. 28 Sept. 29 Sept. 30	ET _E X — document formatting ET _E X — citations, bibliography, references Statistics Canada Visit — 1:30 PM (306 Buller) Class cancelled for StatsCan visit
	W. Poluha: Library Skills (Science Library) W. Poluha: Library Skills (Science Library) W. Poluha: Library Skills (Science Library)]
Oct. 10 Oct. 12 Oct. 14	Presentations skills & LTEX
Oct. 19	No class No class No class (4100 Midterm)
Oct. 24 Oct. 26 Oct. 28	A. Leblanc: Basic Programming in RA. Leblanc: Basic Programming in RA. Leblanc: Basic Programming in R (311 Machray Hall)
Nov. 2	<i>T. Koulis</i> : More R <i>T. Koulis</i> : More R/SAS <i>T. Koulis</i> : SAS (311 Machray Hall)
	No class No class Remembrance Day — No class
Nov. 14 Nov. 16 Nov. 18	No class No class No class (4100 Exam)
Nov. 21 Nov. 23 Nov. 25	No class Parallel R: Xgrid Xgrid lab (311 Machray Hall)
Nov. 28 Nov. 30 Dec. 2	S. Muthukumarana: Introduction to the Bayesian paradigm S. Muthukumarana: Introduction to MCMC S. Muthukumarana: MCMC using WinBUGS
Dec. 5 Dec. 7	0