

UNIVERSITY OF REGINA  
DEPARTMENT OF MATHEMATICS & STATISTICS

Mathematics 902/Statistics 902  
*Research Methods*

Autumn 2007

DESCRIPTION. Dissemination of knowledge in the mathematical and statistical sciences has changed quickly and drastically in recent years, and researchers must now be well versed in the tools of the trade. This course is designed to introduce graduate students to the most widely used of these tools, including the typesetting software  $\LaTeX$ , the use of online journals and online databases, and the use of preprint archives. An introduction to some software packages employed in mathematical/statistical research may also be provided.

SUMMARY OF COURSE CONTENT. Software research tools: Maple, Mathematica, Matlab, SAS, and GAP. Electronic literature resources: online journals, MathSci Net, Zentralblatt, Euler, STM-Z, and preprint archives. Software for manuscript preparation:  $\LaTeX$ .

LECTURES. (3 in total)

1. *Computing Resources* (S. Carnochan–Naqvi). 14 Sep 2007, 3.30pm, in CW 307.37
2. *An Introduction to  $\LaTeX$*  (M. Kozdron). 28 Sep 2007, 3.30pm, in CW 307.37
3. *Preprint Archives, Online Journals, MathSci Net* (C.V. Phelps & D. Farenick). 05 Oct 2007, 3.30pm, in CW 307.37