Reading #2:

1. Chapter 2 from the textbook by M. Schwartz.
2. Chapter 3 from the textbook by M. Schwartz (emphasis on 3.2, 3.4 and 3.5).
3. Chapter 2 from the bound notes by I. Kaj.
4. Chapter 5 from the bound notes by I. Kaj.
6. B-ISDN/ATM and traffic modelling from other books in the reserved and reference list.

Assignment #2

(DUE WEDNESDAY, FEBRUARY 16, 2000)

- Write an essay/research paper on one of the following topics:
  1. Techniques from Approximate Solution of Markov Chains
  2. Long-range dependence/self-similarity and multi-fractal traffic models
  3. Multilayer switching: MPLS, MPOA
  4. VLANs and IP Type of Service/Class of Service
  5. WDM (CWDM, DWDM): present and future high-speed optical networks
  6. Multicasting: protocols and QoS provision
  7. Effective Bandwidths, Large Deviations and Rare Events
- Prepare also a set of slides (10-15) appropriate for a 20 minute presentation of your essay.
- The emphasis is on the quality of sources and references, precision of arguments, and critical thinking.
- Soft copies are encouraged, but only in StarOffice (preferred) or Word/PowerPoint.
- Work in groups of two to four, with one report and one set of slides per group.

Remember to visit frequently the web site
www.sce.carleton.ca/faculty/devetsikiotis/94581page.html for updates on the course material and assignments.