

SCHOOL OF LIBRARY AND INFORMATION STUDIES  
University of Alberta

**LIS 538**

**Automation in Libraries and Information Centres**

(Winter Term, 3 hours/week, 3-0-0)

**Course Outline - Winter 1999**

**Instructor:**

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**Calendar**

**Description:**

An examination of topics of current interest related to the application of computer and communications technology in libraries and information centres.

**Objectives:**

To provide students with an overview of current applications of computer and communications technology in libraries and information centres.

To examine management issues related to application of computers in library environments.

To analyze trends and study new computer technologies which may be important in libraries of the future.

**Content:**

Current state of the art in library computer systems

- computer networks
- the Internet
- the World Wide Web

Electronic publishing

- page description languages
- SGML, HTML and XML
- CDROM publishing
- multimedia (streaming, VRML etc.)
- document conversion

User access issues

- database access
- Z39.50
- searching the Internet
- document delivery
- user training

**Methods:** Lectures, demonstrations, guests, student presentations, tours.

**Course**

**Relationships:** Prerequisites: LIS 501, 502, 503, 504, 505 and 506, also  
EDPY 597/EDIT 535 (or equivalent experience)

|                           |                                       |     |
|---------------------------|---------------------------------------|-----|
| <b><u>Evaluation:</u></b> | Technology in libraries presentation  | 20% |
|                           | Supporting materials for presentation | 15% |
|                           | Project paper                         | 35% |
|                           | Project presentation                  | 20% |
|                           | Participation                         | 10% |

Marks will be raw scores totalled and converted to the 9-point scale at the end of the course. Late assignments will be penalized 4% of the value of the assignment for the first day and 2% for each day thereafter up to a maximum of 20%. The project presentation will use a computer projection system and a presentation graphics package or web browser.