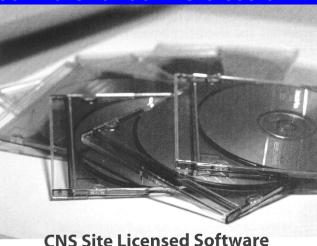
# Software for UofA GIS Users



http://www.ualberta.ca/cns/site

Gordana Brouilette: 492-5564 gordana.brouilette@ualberta.ca

Cindy Stewart: 492-1345 cindy.stewart@ualberta.ca

# **Spatial Data**

University of Alberta Libraries provide access to:

- Topographic data
- Digital elevation models
- Administrative boundaries
- Census geography

- Postal geography
- Road network files
- Cadastral data
- Crown Vegetation inventory
- Orthoimagery

The Data Library and William C. Wonders Map

**Collection** staff helps with the location and retrieval of these data. Access to these sources is guided by licence agreements that restrict their use to research and teaching. The Data Library also facilitates access to a large collection of spatially referenced demographic data, including 2001 Census results.

**GIS Contact Information** 

The primary contact for GIS research support, instruction, and general inquiry for each Department is listed below. If you are looking for information on undergraduate/graduate courses, research, or facility initiatives, these are the people to get in touch with.

Department of Biological Sciences

Charlene Popplewell Phone: (780) 492-9397

E-mail: charlene.popplewell@ualberta.ca www.biology.ualberta.ca/facilities/gis



Dr. C. Derek Martin

Phone: (780) 492-2332

E-mail: dmartin@civil.ualberta.ca www.civil.ualberta.ca/geot



Valery Companiytsev

Phone: (780) 492-3328 E-mail: valeryc@ualberta.ca easweb.eas.ualberta.ca



**Rick Pelletier** 

Phone: (780) 492-6586

E-mail: rick.pelletier@ualberta.ca

www.rr.ualberta.ca/SISLAB/sislab.html

Please contact other Departments/Faculties directly to find researchers using GIS. For information on this brochure, e-mail charlene.popplewell@ualberta.ca.

November 2003



# Geographic Information Systems

for Students, Faculty, and Staff

The on-campus source for GIS education, facilities, software, data, and contact information



UNIVERSITY OF ALBERTA

# General GIS Links

If you are new to GIS, simply want to become more educated in geographic technology, or want to access some handy online resources then this sampling of web sites will be of interest.

www.gis.com gislounge.com www.geoconnections.org geogratis.cgdi.gc.ca www.geographynetwork.ca

# Informal GIS Education

As a UofA student, faculty, or staff member, you have free unlimited access to select online courses in GIS technology at **ESRI's Virtual Campus** in conjunction with the University of Alberta's ESRI Educational Site Licence.

# Choose the courses you want from the list

- Creating, Editing, Managing Geodatabases
- Introduction to Visual Basic for ESRI Software
- Learning ArcGIS I
- Learning ArcGIS II: Presenting Information
- Learning ArcGIS Spatial Analyst
- Learning ArcGIS 3D Analyst
- Learning ArcIMS
- Working with Rasters in ArcGIS

# Register for the courses through UofA's ESRI Site Licence Administrator

Submit your UofA e-mail address, course titles, and number of seats to Gordana Brouilette at gordana.brouilette@ualberta.ca or 492-5564.

### Receive your course access codes

Once Gordana Brouilette has e-mailed your course access codes, visit the website **campus.esri.com** and follow the instructions to start your courses.

Inquire about the full course listing and the 40 percent education discount pricing for ESRI's GIS books.

# **Credit Courses with GIS**

The following is a list of GIS-related courses offered at the University of Alberta that you may take for credit to further your knowledge and skills in Geographic Information Systems and how to use the software in various applications.

### **Biological Sciences**

BIOL 470 Landscape Ecology

BIOL 633 Advanced Techniques in Biology

### **Civil Engineering**

CIV E 250 Plane Surveying

### Earth and Atmospheric Sciences

EAS 221	Introduction to Geographical
	Information Systems and Remote
	Sensing
EAS 325	Digital Mapping and Terrain
	Modelling
EAS 351	Environmental Applications of
	Geographical Information Systems
EAS 451	Digital Remote Sensing
EAS 492	Geographical Information Systems for
	Social Science
EAS 523	Advanced Topics in GIS: Dynamics of
	Land Use/Cover Change

### **Forest Engineering**

FOREN 201 Introduction to Geomatic Techniques in Forestry

# **Humanities Computing**

HUCO 500	Survey of Humanities Computing
HUCO 520	Technical Concepts and Approaches
	in Humanities Computing

### **Renewable Resources**

REN R 410	Principles of Remote Sensing
REN R 425	Land Evaluation
REN R 426	Geographical Information Systems
	Applications in Renewable Resources
REN R 535	Computer-based Modelling for Forest
	Resources Management

www.registrar.ualberta.ca/calendar

# **GIS Facilities**

The University of Alberta currently boasts 11 computer laboratories running GIS software for academic and research purposes.

### **CNS Instructional Public Labs**

Arts 1-12 Business B-18 EC 3-06 GSB 221

www.ualberta.ca/CNS/labs

### **Biological Sciences**

B418 – Biology graduate students only www.biology.ualberta.ca/facilities/gis
M130 – Biology courses only www.biology.ualberta.ca/facilities/cbi

## Earth and Atmospheric Sciences (EAS)

ESB 1-39 – EAS courses only easweb.eas.ualberta.ca/department/facilities/computingfacilities.cfm
EOSL – Sanchez-Azofeifa / Rivard only eosl.eas.ualberta.ca

Tory 2-87 – EAS courses only easweb.eas.ualberta.ca/department/facilities/computingfacilities.cfm

### Renewable Resources

GSB 815 – SISLab only www.rr.ualberta.ca/SISLAB/sislab.html

