

## Software for UofA GIS Users



### CNS Site Licensed Software

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

Gordana Brouillette: 492-5564  
gordana.brouillette@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.

[www.library.ualberta.ca/subject/maps/spatialdata](http://www.library.ualberta.ca/subject/maps/spatialdata)

## 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](mailto:charlene.popplewell@ualberta.ca)

[www.biology.ualberta.ca/facilities/gis](http://www.biology.ualberta.ca/facilities/gis)



### Dr. C. Derek Martin

Phone: (780) 492-2332

E-mail: [dmartin@civil.ualberta.ca](mailto:dmartin@civil.ualberta.ca)

[www.civil.ualberta.ca/geot](http://www.civil.ualberta.ca/geot)



### Valery Comaniytsev

Phone: (780) 492-3328

E-mail: [valeryc@ualberta.ca](mailto:valeryc@ualberta.ca)

[easweb.eas.ualberta.ca](http://easweb.eas.ualberta.ca)



RENEWABLE  
RESOURCES

### Rick Pelletier

Phone: (780) 492-6586

E-mail: [rick.pelletier@ualberta.ca](mailto:rick.pelletier@ualberta.ca)

[www.rr.ualberta.ca/SISLAB/sislab.html](http://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](mailto: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](http://www.gis.com)  
[gislounge.com](http://gislounge.com)  
[www.geoconnections.org](http://www.geoconnections.org)  
[geogratias.cgdi.gc.ca](http://geogratias.cgdi.gc.ca)  
[www.geophytnetwork.ca](http://www.geophytnetwork.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 Brouillette at [gordana.brouillette@ualberta.ca](mailto:gordana.brouillette@ualberta.ca) or 492-5564.

### Receive your course access codes

Once Gordana Brouillette has e-mailed your course access codes, visit the website [campus.esri.com](http://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](http://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](http://www.ualberta.ca/CNS/labs)

### Biological Sciences

B418 – Biology graduate students only  
[www.biology.ualberta.ca/facilities/gis](http://www.biology.ualberta.ca/facilities/gis)  
M130 – Biology courses only  
[www.biology.ualberta.ca/facilities/cbi](http://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](http://easweb.eas.ualberta.ca/department/facilities/computingfacilities.cfm)  
EOSL – Sanchez-Azofeifa / Rivard only  
[eosl.eas.ualberta.ca](http://eosl.eas.ualberta.ca)  
Tory 2-87 – EAS courses only  
[easweb.eas.ualberta.ca/department/facilities/computingfacilities.cfm](http://easweb.eas.ualberta.ca/department/facilities/computingfacilities.cfm)

### Renewable Resources

GSB 815 – SISLab only  
[www.rr.ualberta.ca/SISLAB/sislab.html](http://www.rr.ualberta.ca/SISLAB/sislab.html)

