

## Potential for Academic Credit:

Some students already registered in graduate programs may be eligible for academic credit for their participation in the NSI. In order to do so, they would have to meet further requirements, including: being currently enrolled in a graduate program, paying tuition for the credit at their home institution, and completing a project report on a statistical & GIS analysis that they conduct as a part of the NSI. The report would be marked by two of the NSI facilitators and averaged for the course grade. Students from other universities choosing this option would register in the selected topics course: *JS 880AA - Quantitative methods in Justice Studies* through the University of Regina, but pay tuition to their home university at the current rate for three credit hours. The appropriate transfer credit agreement (see below) would also have to be filled-out between the home university and the University of Regina as the host institution. Please inform us if you are interested in taking advantage of this option.

### For students in graduate studies at the University of Saskatchewan:

<http://www.uregina.ca/gradstudies/forms/suga.pdf>

### For students in graduate studies at another university in Western Canada:

[http://www.uregina.ca/gradstudies/forms/western\\_deans.pdf](http://www.uregina.ca/gradstudies/forms/western_deans.pdf)

### For all other students in graduate studies at a Canadian university:

<http://www.uregina.ca/gradstudies/forms/cutga.pdf>

*The NSI is also eligible for continuing education credit with the RCMP for its members (HRMIS code #000278).*

## Accommodations and Fitness Facilities:

Participants in the NSI have a unique opportunity. The University of Regina hosted the Jeux de Canada Games in 2005. In support of the games, very modern accommodations and world-class fitness facilities have been constructed on campus recently. NSI participants staying in the new student residences will not only be able to take advantage of these modern accommodations, but also will have free access to these world-class fitness facilities.

The only cost for the NSI is a non-refundable reservation fee of \$150 (\$75 for students). Funds are also available to help subsidize participants' travel and accommodations (based upon need). In addition, inexpensive newly-constructed university housing is available to keep costs to a minimum (approx. \$47 per night plus taxes).



**The planned dates for the NSI this year are:  
June 22-28, 2008.**

### For Further Information Please Contact:

**Attn: NSI, Department of Psychology**

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(306) 585-5429

**Email:**  
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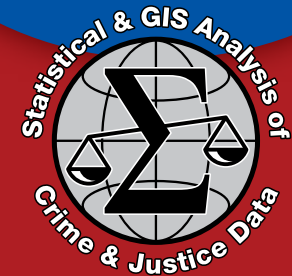
**Web-site:**  
<http://www.uregina.ca/arts/NSI/>



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Faculty  
of  
**Arts**

# National Summer Institute for Statistical & GIS Analysis of Crime & Justice Data



**University of Regina • Summer 2008**



Sponsored by SSHRC and Statistics Canada

# National Summer Institute for Statistical & GIS Analysis of Crime and Justice Data

University Of Regina  
Summer 2008

With the support of the **Social Science and Humanities Research Council of Canada (SSHRC)** and **Statistics Canada**, the University of Regina has developed an institute for the advanced training of participants in the statistical and geographical information systems (GIS) analysis of crime and justice data. (Co-sponsored by Sociology, Psychology and Geography departments).

The institute is open to approximately 50 participants from across the country, including academics, researchers, graduate students, and practitioners in the field (such as police, justice workers, etc.)

The **National Summer Institute (NSI)** will be an intensive, hands-on workshop over seven days. Participants should have some background preparation in statistics, such as a university course. However, no background in GIS (mapping data) is required.



## The three main purposes of the NSI are:

- 1) to train participants in using *Statistics Canada data-sets (particularly for crime & justice data)*,
- 2) to upgrade their *statistical skills*, and
- 3) to introduce them to *GIS procedures*

The NSI will be taught at the level most appropriate for the participants. There will be no examinations or tests, and use of formulae or equations will be minimal. The focus will be on the applied use of these quantitative procedures, from a non-mathematical basis.

## Special Guest Speakers for the 2008 NSI are:

### GIS Speaker:

**Dr. Kim Rossmo**,  
Texas State University,  
Developer of GIS Profiling, former Inspector  
Vancouver Police Service

### Stats Speaker:

**Dr. Steve Wormith**,  
University of Saskatchewan  
Chair in Forensic Psychology

A tentative list of NSI course topics follows  
(we reserve the right to revise this list):

Statistical Topics:	GIS Topics:
Accessing Statistics Canada Data	What Crime Maps Do
Using Beyond 20/20	Introduction to GIS
Sampling Issues	Getting Information about Features
Hierarchical Linear Modelling I	Spatial Theories of Crime
Hierarchical Linear Modelling II	Address Geocoding
Correlation & Simple Regression	Hotspot Mapping
Multiple Regression	Deriving New Information
Path Analysis	Crime Mapping
Exploratory Factor Analysis	Mapping and Analysing Temporal Change
Confirmatory Factor Analysis	Crime Map Cartography
Structural Equation Modelling	Aerial Photography & GPS
Participant's Choice of Advanced Topics	Data Sources & Databases