

# GEOM 3007A: Cartographic Theory and Design

## Section A - Winter 2018

Department of Geography and Environmental Studies, Carleton University

Instructor: **Farhana Yasmin, PhD**  
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Teaching Assistant: To be assigned - see cuLearn for TA contact information and office hours.

Course electronic resources: cuLearn (<http://culearn.carleton.ca>) and log in using your student account.

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### Course calendar:

Lectures	Tuesdays	6:05 pm to 7:55 pm	Loeb Building B146
Labs	Wednesdays	6:05 pm to 7:55 pm	Loeb Building A200

***Detailed schedule will be posted at the beginning of the semester.***

### Calendar description:

Principles of and issues in cartography, cartographic communication and map design; practical aspects of cartographic representation using multimedia and online mapping.

Prerequisite(s): GEOM 1004 or GEOM 2007 or permission of the Department.

Lectures and laboratory four hours a week.

### Course objectives:

- To teach the art and science of modern cartography using Geographic Information Systems (GIS).
- To develop both theoretical and practical knowledge in thematic cartography including descriptive statistics, data classification, mapping techniques, design concepts, multivariate mapping and online mapping.
- To learn GIS procedures and analyses required to produce sound cartographic products using modern geo-computing tools.

**Required Textbook (available at the MADGIC and many other sources):**

Dent, Borden, Torguson, Jeffrey S., and Hodler, Thomas W. (2009). *Cartography: Thematic Map Design*, McGraw Hill

Copies of this textbook are available for reading at the Maps, Data, and Government Information (MADGIC) section of the library (Floor 1), Call # GA105.3 .D46 2009.

Any additional course material will be made available on cuLearn.

**Course evaluation:**

The grade weighting will be as below:

Lecture and lab participation:	10%
Laboratory assignments:	30%
Midterm and lab tests:	30%
Final project and presentation/discussion:	30%
<b>Total</b>	<b>100%</b>

***Please note that there will be a penalty for late assignment/project submission.***

Standing in the course is determined by the course instructor subject to the approval of the Faculty Dean. This means that grades submitted by the instructor may be subject to revision. No grades are final until they have been approved by the Dean.

**Policy on Plagiarism:**

Plagiarism is defined as "presenting, whether intentionally or not, the ideas, expression of ideas or work of others as one's own. This can include:

- reproducing or paraphrasing portions of someone else's published or unpublished material, regardless of the source, and presenting these as one's own without proper citation or reference to the original source;
- submitting a take-home examination, essay, laboratory report or other assignment written, in whole or in part, by someone else;
- using ideas or direct, verbatim quotations, or paraphrased material, concepts, or ideas without appropriate acknowledgment in any academic assignment;
- using another's data or research findings;

- failing to acknowledge sources through the use of proper citations when using another's works and/or failing to use quotation marks;
- handing in "substantially the same piece of work for academic credit more than once without prior written permission of the course instructor in which the submission occurs."

Plagiarism is a serious offence that cannot be resolved directly by the course's instructor. The Associate Dean of the Faculty conducts a rigorous investigation, including an interview with the student, when an instructor suspects a piece of work has been plagiarized. Penalties are not trivial. They can include a final grade of "F" for the course. Further information on the Carleton's Academic Integrity Policy is available at <https://carleton.ca/registrar/academic-integrity/>

### **Academic Accommodation**

You may need special arrangements to meet your academic obligations during the term. You can visit the Equity Services website to view the policies and to obtain more detailed information on academic accommodation at <http://www.carleton.ca/equity/>. For an accommodation request the processes are as follows:

***Pregnancy obligation:*** Write to me with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist.

***Religious obligation:*** Write to me with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist.

***Academic Accommodations for Students with Disabilities:*** The Paul Menton Centre for Students with Disabilities (PMC) provides services to students with Learning Disabilities (LD), psychiatric/mental health disabilities, Attention Deficit Hyperactivity Disorder (ADHD), Autism Spectrum Disorders (ASD), chronic medical conditions, and impairments in mobility, hearing, and vision. If you have a disability requiring academic accommodations in this course, please contact PMC at 613-520-6608 or [pmc@carleton.ca](mailto:pmc@carleton.ca) for a formal evaluation. If you are already registered with the PMC, contact your PMC coordinator to send me your Letter of Accommodation at the beginning of the term, and no later than two weeks before the first in-class scheduled test or exam requiring accommodation (if applicable). After requesting accommodation from PMC, meet with me to ensure accommodation arrangements are made. Please consult the PMC website for the deadline to request accommodations for the formally-scheduled exam (if applicable) at <http://carleton.ca/pmc/students/dates-and-deadlines/>