

# GEOG 1010A: GLOBAL ENVIRONMENTAL SYSTEMS

Department of Geography and Environmental Studies, Carleton University [0.5 credit]

## Course Outline: Fall 2013

Lectures: Tuesdays and Thursdays 6 - 7:30 pm, UC 231 (Porter Hall)

Labs: All labs are held in A120 Loeb  
(you will need to choose one for registration - the P section is for ArtsOne students)

Day	Time	Section
Monday	11:30am-1:30pm	P1
Tuesday	8:00pm-10:00pm	A2
Wed	8:30am-10:30am	A3
Wed	11:30am-1:30pm	A5
Wed	2:30pm-4:30 pm	A4
Wed	6:00pm-8:00pm	A1
Thursday	2:30pm-4:30 pm	A7
Friday	8:30am-10:30 am	A9
Friday	11:30am-1:30pm	A8
Friday	2:30pm-4:30pm	A6

Prerequisites: None. Precludes additional credit for GEOG 1001/ENST 1001 if taken before 2006/2007

Instructor: Dr. Joyce Lundberg, A327 Loeb Building

Phone: 520-2600 Ext. 2571

Email: [joyce\\_lundberg@carleton.ca](mailto:joyce_lundberg@carleton.ca) (\*\*put GEOG 1010 in the subject\*\*)

Office hours: Fridays 10:30-12:30 or email me to make an appointment.

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## Course Calendar Description:

Principles, processes and interactions in the Earth's environment emphasizing the flow of energy and matter within global systems. Atmospheric and oceanic processes, Earth surface processes and biogeochemical cycling. Case studies on the interaction between human activity and the natural environment.

## Course Objectives:

This course presents a broad survey of the key components of physical geography and is designed to prepare you for further study in the different areas of physical geography. To this end, the linkages between atmospheric, hydrologic, geologic and biologic systems will be explored. Topics of study will include weather and climate, mapping and geographic information systems, Earth structure and geology, landform processes, soils and ecosystems. This course is a required prerequisite for continuation in all areas of physical geography, including GEOG 2013 (Weather and Water), GEOG 2014 (The Earth's Surface), GEOG 2020 (Physical Environments of Canada), GEOG 3104 (Principles of Biogeography), and GEOG 3108 (Soil Properties).

## Required Text Book:

Christopherson, RW and Byrne, M-L. 2012. **Geosystems: an Introduction to Physical Geography**. 3rd Canadian Edition. Pearson Education Canada: Toronto.

(Note: The second edition is not in print, and not in stock anymore. However, the second edition is fine if you can get it secondhand).

These are available at the Octopus Books, 116 Third Ave., Ottawa, 613-233-2589, [www.octopusbooks.ca](http://www.octopusbooks.ca), (just a few steps west of Bank St. in the Glebe), 20-30 minute walk from Carleton. Students can reserve their copy on-line at no extra charge. The cost is \$156.95.

Used copies may be available at Haven Books, Sunnyside + other places + online (check that it is the 2<sup>nd</sup> or 3<sup>rd</sup> Canadian edition)

The second edition is on 4-hour reserve at the MacOdrum Library (shared with GEOG 2020).

### ***cuLearn:***

I use the system called “**cuLearn**” to communicate information about the course.

### **Course Requirements & Evaluation:**

#### Lab Assignments:

There will be eight laboratory exercises to be submitted during the term, and a bonus lab during the first week of labs (worth 1% on your final grade). Collaborative effort in working out assignments is encouraged, and often required, although **individual reports must be submitted**. This means that you may submit the same group-derived tables or data sheets (these will be identified by your teaching assistants in the labs), but all answers to questions, analyses and discussion points must be your own work (see note about Academic conduct below).

Assignments generally are due at the beginning of your lab one week after distribution, unless otherwise indicated. Late assignments will be penalized. If handed in any time after the beginning of your lab period, your assignment will be penalized by 5% and then 5% for every additional day (5% per weekend) and will not be accepted after assignments have been returned to the first lab section of the week (Monday 11:35 am).

All assignments must be submitted (hardcopy) directly to your TA at the start of your regular lab period (*this may change – we are currently reviewing the possibility of on-line submission*). Assignments not submitted at this time will be considered late and penalized accordingly. Late assignments can be submitted in the mail slot on the door of Room B342, Loeb Building. If you choose to do this, you do so at your own risk. The instructor will not accept responsibility for any assignment that goes missing if submitted via the drop box or any other method other than directly to your TA. You are advised to keep a backup copy of each of your labs before submitting them. Should your assignment go missing, you will be required to produce this copy (with correct digital date) within 24 hours to avoid penalty.

**Clearly indicate the course code (GEOG 1010), my name (Joyce Lundberg), your name, your lab section and your TA’s name on the cover of every assignment that you submit. This is mandatory!**

#### Examinations:

There will be two term tests given during the lecture period and a final exam held during the scheduled exam period at the end of term. These will be in the form of short answers, diagrams, etc. The exact content of the tests will be discussed in class prior to their respective dates.

#### Help with laboratory and lecture materials:

There are a variety of ways to get help if you are having difficulties with any of the course materials, including: PASS (see below), informal study groups with other classmates, keeping up with the assigned readings in your text, reviewing your lab assignments prior to your lab session. The course instructor and your TA are here to facilitate your learning. **Ask us for help when you need it!** For questions regarding lecture

materials, you can see the instructor or the TAs. Because of the size of this class, for questions regarding your labs, please see your TA first, rather than the instructor. The instructor and the TAs will maintain regular office hours, where you can drop in for assistance. If you need help outside those times, arrange a meeting with us.

#### Peer Assisted Study Sessions (PASS):

Organized by the Student Academic Success Centre (<http://www2.carleton.ca/sasc>), peer assisted study sessions are weekly study sessions led by trained students who have earned an A grade in this course in past years. PASS facilitators work with small groups of students to review course content and develop course-appropriate learning strategies. Sessions are entirely voluntary and anonymous and are intended to offer a safe, friendly place to help students develop strategies to be successful. Whether your aim is to survive GEOG 1010 or maintain that A average, the PASS facilitator can help you achieve your goal.

#### Learning Support Services:

This is a series of workshops designed to develop and refine your academic skill set. Examples of workshops include Time Management, Writing Exams, Research Skills. Attendance at these workshops will be credited at 0.5% per workshop to a maximum of 3% bonus marks.

#### Evaluation:

- 40% Laboratory Assignments (8 × 5%)
- 15% In-class test #1
- 15% In-class test #2
- 30% Final Exam

(Except under special circumstances, you must pass the labs in order to pass the class.

I allow 5% flexibility in weighting of the two in-class test grades – so, for example, they can be weighted as 10%, 15% or 20% for a total of 30%)

#### **Academic conduct:**

#### **Instructional & Conduct Offences:**

Instructional offences include among other activities cheating, contravening examination regulations, plagiarism, submitting similar work in 2 or more courses without prior permission, and disrupting classes. Conduct offences apply in areas of discrimination and sexual harassment. Further information about University regulations which define and regulate these offences is presented in the 2010-11 UG Calendar:

<http://www.carleton.ca/calendars/ugrad/current/regulations/acadregsuniv14.html>

Some of the section on plagiarism is reproduced below, because it is the most common academic offence, and one that can sometimes be committed inadvertently. (Please note that plagiarism also applies to images that you present without acknowledgement).

#### **Plagiarism:**

Plagiarism is presenting, whether intentional or not, the ideas, expression of ideas or work of others as one's own. Plagiarism includes 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. Examples of sources from which the ideas, expressions of ideas or works of

others may be drawn from include but are not limited to: books, articles, papers, literary compositions and phrases, performance compositions, chemical compounds, art works, laboratory reports, research results, calculations and the results of calculations, diagrams, constructions, computer reports, computer code/software, and material on the Internet.

Examples of plagiarism include, but are not limited to:

- submitting a takehome examination, essay, laboratory report or other assignment written, in whole or in part, by someone else;
- using ideas or direct, verbatim quotations, paraphrased material, algorithms, formulae, scientific or mathematical concepts, or ideas without appropriate acknowledgment in any academic assignment;
- using another's data or research findings;
- submitting a computer program developed in whole or in part by someone else, with or without modifications, as one's own;
- failing to acknowledge sources through the use of proper citations when using another's works and/or failing to use quotation marks.

### **Requests for Academic Accommodations**

You may need special arrangements to meet your academic obligations during the term. 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. For more details visit the Equity Services website: <http://www2.carleton.ca/equity/>

**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. For more details visit the Equity Services website: <http://www2.carleton.ca/equity/>

**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://www2.carleton.ca/pmc/new-and-current-students/dates-and-deadlines/>

You can visit the Equity Services website to view the policies and to obtain more detailed information on academic accommodation at <http://www2.carleton.ca/equity/>