



**DEPARTMENT OF GEOGRAPHY**

**GEOGRAPHY 2331 CLIMATOLOGY**

**WINTER 2019**

**CONTACT INFORMATION**

Instructor:

Name W. R. Horne, PhD

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Office Location OA3008

Office Hours Mon: 10:30-11:15

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Supplementary Course Website <https://www.lakeheadu.ca/users/H/rhorne/teaching>

**DELIVERY MODE/LOCATION**

Times: Lecture M/W 11:30-12:30

Lab Monday 8:30-10:30

**COURSE DESCRIPTION**

An examination of atmosphere processes, weather phenomena, macroclimates, microclimates and the nature of climatic change. Laboratory work will include the analysis of meteorological and climatological data and the study of weather maps.

**COURSE OBJECTIVES**

Students should become aware of the various global climate types and the weather patterns which create them. The causes and effects of climate change with respect to these patterns.

†

**REQUIRED MATERIALS**

Required Text: Aguado, E. & Burt, J. (2013) Understanding Weather and Climate 7<sup>th</sup> ed.  
Boston: Pearson

**ADDITIONAL MATERIALS**

Students will require the textbook for the labs as well as:

1 cm square graph paper (several sheets),

ruler, triangle (from geometry set)

pencil, coloured pencils (red & blue),

basic pocket calculator and laptop with Internet access and Word processor.

## EVALUATION

Component	Value	Due Date	Individual/Group
10 Labs	50%	Weekly*	Group
Midterm	20%	Feb 11	individual
Final	30%	Set by registrar	individual

\* late labs subject to 10% penalty.

### Participation:

**Group work assumes equal participation by all members. If you are having problems with your group please inform me immediately –do not leave it to end of term when nothing can be done.**

### Mid-term:

Short answer questions, which may include diagrams, covering lecture material to date. The text book covers similar material, contains diagrams and **sample questions**.

### Final Exam:

Same style as midterm covering material since midterm plus general questions.

## MISSED EXAMS

Make-up examinations will only be given with written documentation from a healthcare practitioner using the official Student Health Certificate, available at <http://registrar.lakeheadu.ca/uploads/docs/F.HealthCertificate.pdf> (see next page).

Final examinations run from Dec 6<sup>th</sup> to 17<sup>th</sup>, 2012, inclusive. **There will be no rescheduling of examinations to accommodate holiday travel or extracurricular activities. No one will be allowed to write examinations prior to the scheduled date.**

**DO NOT PLAN YOUR VACATION BEFORE EXAM DATES ARE POSTED**

## GRADING SCHEME

A+	90 to 100%	Outstanding understanding of the course concepts including integration of materials and ideas, ability to apply knowledge to situations
A	80 to 89%	
B	70 to 79%	Above average to excellent knowledge, ability to apply knowledge to situations
C	60 to 69%	Satisfactory knowledge including ability to recognise and apply major course concepts, and to progress to next level of course
D	50 to 59%	Some grasp of course concepts; will likely encounter difficulty with higher levels
E	40 to 49%	Failed to meet minimum requirements of the course
F	1 to 39%	Failure
F	0	Failure resulting from academic dishonesty

**Students are advised to refer to the University Calendar to ensure that they have adequate grades and/or average to proceed in their program.**

## COURSE SCHEDULE

Class	Date	Topic	READING	LAB
1	Jan 7/9	The Atmosphere	Chp 1	NO LAB
2	Jan 14/16	Solar Radiation and Seasons	2	1
3	Jan 21/23	Energy Balance	3 to pg. 70	2
4	Jan 28/30	Climate Zones	15	3
5	Feb 4/6	Climate Change	16	4
6	Feb 11/13	Temperature	3	midterm
	Feb 18/20	READING WEEK		
7	Feb 25/27	Pressure and Wind	4	5
8	Mar 4/6	Moisture	5	6
9	Mar 11/13	Cloud Formation	6	7
10	Mar 17/19	Precipitation	7	8
11	Mar 18/20	Pressure	8	9
12	Mar 25/27	Air Masses	9	10
13	Apr 1/3	Catch up and Review		No Lab

**IMPORTANT DATES:** Last Day to Drop Course: March 8<sup>th</sup>, 2019

**NOTE:** Any important announcements, including changes in due dates will be announced in-class and sent to your University email account

### COURSE POLICIES

Attendance is expected.

Requests for late submission must be made BEFORE the due date

Penalty for, late submissions 10% unless medical or compassionate grounds

TESTS and EXAMS must be written on date scheduled.

## GENERAL REGULATIONS

Student Accessibility Services (SAS) (Thunder Bay) and Student Affairs (Orillia) coordinate services and facilitates reasonable academic accommodations for students with disabilities. Academic accommodations are provided on the basis of documentation of a disability. Additional information is available at the following campus websites:

Thunder Bay:

<http://learningassistance.lakeheadu.ca/>.

Orillia:

<http://orillia.lakeheadu.ca/about-us--orillia-student-affairs/>

## ACADEMIC DISHONESTY

The University takes a most serious view of offences against academic honesty such as plagiarism, cheating and impersonation. Penalties for dealing with such offences will be strictly enforced.

A copy of the "Code of Student Behaviour and Disciplinary Procedures" including sections on plagiarism and other forms of misconduct may be obtained from the Office of the Registrar. <http://policies.lakeheadu.ca/policy.php?pid=60>

The following rules shall govern the treatment of candidates who have been found guilty of attempting to obtain academic credit dishonestly.

- (a) The minimum penalty for a candidate found guilty of plagiarism, or of cheating on any part of a course will be a zero for the work concerned.
- (b) A candidate found guilty of cheating on a formal examination or a test, or of serious or repeated plagiarism, or of unofficially obtaining a copy of an examination paper before the examination is scheduled to be written, will receive zero for the course and may be expelled from the University.

Students disciplined under the Code of Student Behaviour and Disciplinary Procedures may appeal their case through the Judicial Panel.

Note: "Plagiarism" shall be deemed to include:

1. Plagiarism of ideas as where an idea of an author or speaker is incorporated into the body of an assignment as though it were the writer's idea, i.e. no credit is given the person through referencing or footnoting or endnoting.
2. Plagiarism of words occurs when phrases, sentences, tables or illustrations of an author or speaker are incorporated into the body of a writer's own, i.e. no quotations or indentations (depending on the format followed) are present but referencing or footnoting or endnoting is given.
3. Plagiarism of ideas and words as where words and an idea(s) of an author or speaker are incorporated into the body of a written assignment as though they were the writer's own words and ideas, i.e. no quotations or indentations (depending on format followed) are present and no referencing or footnoting or endnoting is given.
4. The submission of any work that was not the original work of the submitter.
5. the submission of the same work for two courses without the permission of both instructors.

A listing of University Regulations can be found at:

<http://calendar.lakeheadu.ca/current/contents/regulations/univregsintro.html>