

**METR 2013-HONORS SECTION**  
**Introduction to Meteorology I**  
**Fall 2012**

This course is a qualitative and quantitative introduction to

- 1) Atmospheric Thermodynamics and
- 2) Atmospheric Radiation physics

to prepare you for the core curriculum in the School of Meteorology at the University of Oklahoma. The difficulty level of the material is designed for mathematically prepared, sophomore students majoring in meteorology that are in the Honors Program at OU. My goal is to teach you how to explain to yourself the essence of various aspects of atmospheric and radiation physics. Then I will provide you with the theoretical basis for these physical aspects.

**General Information**

Instructor: Prof. Jerry M. Straka

Office Room: NWC 5331

Office Phone: 325-5503

E-Mail: [jstraka@ou.edu](mailto:jstraka@ou.edu) or [jmstraka@cox.net](mailto:jmstraka@cox.net)

Class Room: NWC 5820

Class time: T, Th 10:00AM-11:15PM

Office hours: Th from 11:30AM-1:30PM

Additional office hours: By appointment with 24 hr e-mail notice.

**Grading**

Homework:	10% (ten homeworks)
Test 1:	20%
Test 2:	20%
Written Report:	20%
Comprehensive final:	30%

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100%

<b>Scores</b>	<b>Grades</b>
90 – 100	A
80 – 89	B
70 – 79	C
60 – 69	D
< 60	F

**Books:**

Mandatory:	Atmospheric Science (An Introductory Survey) by Wallace and Hobbs (2nd Edition)
Highly Recommended:	A First Course in Atmospheric Thermodynamics by Grant W. Petty (2nd Edition)
Highly Recommended:	A First Course in Atmospheric Radiation by Grant W. Petty

(2nd Edition)  
Highly Suggested: Introduction to Theoretical Meteorology, by Seymore Hess  
(This is perhaps the BEST all around books for your  
education at any school to own. There is none better!)

Much of the course will be based upon these four books. I would really like you to get the Highly Recommended and Suggested books. You can use them throughout your education at OU. If you can't afford them they should be in the library.

**Student Responsibilities:**

“Students are responsible for the content of courses in which they are enrolled. Specific policy concerning attendance requirements and announced and unannounced examinations is the responsibility of the individual instructor. Students have a responsibility to inform faculty prior to absences whenever possible. Faculty should make every effort to find a reasonable accommodation for students who miss class as a result of participation in Provost-approved University-sponsored activities or legally required activities such as emergency military service. Students missing class on account of jury duty must receive such an accommodation.” From Faculty Handbook 2009-10

**Homework Policy:**

Homework is due on the day assigned. Homework is to be original and done alone, but you are free to discuss problems with each other. Homework and Tests will be returned in less than two weeks, and most often by the next class.

**Accommodations:**

The University of Oklahoma is committed to providing reasonable accommodation for all students with disabilities. Students with disabilities who require accommodations in this course are requested to speak with the professor as early in the semester as possible. Students with disabilities must be registered with the Office of Disability Services prior to receiving accommodations in this course. The Office of Disability Services is located in Goddard Health Center, Suite 166, phone 405/325-3852 or fax only 405/325-4173.

**Academic Misconduct:**

All students are expected to be familiar with and abide by the OU Academic Misconduct Code. Information on this code and other student policies is located at <http://studentconduct.ou.edu>.

**Questions about the course:**

If you ever have questions about the course or suggestions please notify me during office hours or email.