

METR 2021 – Introduction to Meteorology II Laboratory Syllabus: Spring 2012

Instructor: Eric Jacobsen
Office: NWC 5642
Office Hours: Monday 4-5, Tue 3-4, Fri 2-3, or by appointment
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Section 011	Wednesday	4:00-6:00 pm	NWC 5720
Section 012	Tuesday	4:00-6:00 pm	NWC 5720

The Official Description from the OU catalog:

METR 2021-Introduction to Meteorology II Laboratory: Reinforces the theoretical concepts provided in the counterpart lecture course Meteorology 2023, which introduces students to important phenomena and physical processes that occur in the earth's atmosphere. Through a series of laboratory exercises, students will learn the basic concepts and tools that are used to study atmospheric problems. Special emphasis will be placed on developing information technology and computational skills. The laboratory exercises target the topics covered in the lecture component.

Text: *Required* – “Practical Guide to Linux Commands, Editors, and Shell Programming”, (2nd Edition) – by Sobel, Mark G.

Recommended – “Linux in a Nutshell”, (5th edition) – by Seiver, Weber, Figgons, Love, and Robbins. O’Reilly Media Inc.

Grading:	13 Lab assignments	60 %
	13 Lab Quizzes	20 %
	Forecast Notebook	20 %

Grading Scale:

90-100	A
80-89	B
70-79	C
60-69	D
00-59	F

Extra Credit: There will be frequent opportunity for extra credit given throughout the semester. Typically each quiz and homework will have some form of an extra credit question or task. Additionally, there will be 2-4 extra credit assignments that will be offered at various times. Placement in the WxChallenge competition also has the opportunity to earn extra credit.

Lab Assignments: Lab assignments must be turned at the beginning of the next lab period, before the next lab begins. The only exceptions will be for extenuating circumstances (i.e. death in the family, hospitalization, etc.) when I am notified at least 24 hours in advance.

Lab Quizzes: At the beginning of each class, a short quiz will be given covering the previously learned material. Upon completion of the quiz, we will go over the answers, so be sure to show up to class on time.

WxChallenge: You are required to sign-up for the WxChallenge (<http://wxchallenge.com/>) hosted here at OU. This will give you an opportunity to begin honing your forecasting skills for many different parts of the U.S. You will not be formally graded on your forecasts, except for recording them in your forecast notebook and posting it on your personal website at the requisite times. If you score better than national consensus on any city you will receive 5 additional points to your final grade as extra credit. If you place in the Top 10 nationally in Category 4 (Freshman/Sophomore) on any city you will receive 10 additional points to your final grade. Each of these extra credit opportunities for the WxChallenge can be earned multiple times for a potential 75 additional points. Additional extra credit may be available throughout the semester.

Forecast Notebook: You will be expected to keep a forecast notebook for the weather challenge. Each forecast, you will post to your webpage a short analysis for the current and next forecast city, as well as your forecast numbers. The next day you will post a short response to those forecasts. These notebooks will be viewed for completeness at some point each week during the WxChallenge period. More details will be given as the WxChallenge season begins.

Attendance: You are expected to attend every lab session, although attendance will not be taken. Each class period will have a quiz, which is part of the final grade, and they cannot be made up without extenuating circumstances. The material learned in one class is connected to other material learned in the class on other days, so it is to your advantage to attend every lab, for the full time. ***Due to the limitation in computing resources, you must attend your scheduled lab time.***

Web Page: This course has a web page located at: <https://learn.ou.edu>. All grades will be posted on this class website and if you have any questions about what has been posted contact me immediately.

Academic Misconduct: Academic misconduct is a serious breach of ethics since it potentially can harm those students who are honestly pursuing their studies. All instances of alleged academic misconduct will be thoroughly investigated and action taken under the official university policies. You are allowed to work with fellow classmates on any and all lab assignments; however, each and every lab must be your own work with your own write-up. Any copying is strictly prohibited and will result in a zero on that assignment and disciplinary action.

"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 TDD only 405/325-4173."