

METR 2021 – Introduction to Meteorology II Laboratory Syllabus: Spring 2008

Instructor: Mr. Patrick Marsh
Office: NWC 5234 **Phone:** None
Office Hours: TBA or by appointment
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Section 012 T 4:00-6:00 pm NWC 5720

Content: This lab will complement but not necessarily follow the lecture material directly. Special emphasis will be given to utilizing computational tools such as GEMPAK and shell scripting to study the atmosphere.

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

Other handouts as given by instructor

Grading:	Approximately 10 Lab assignments	100 pts each	1000 pts
	Lab Project		200 pts
	Forecast Diary	25 pts each collection	125 pts
	Class Participation/Pop Quizzes		<u>75 pts</u>
			~ 1300 pts

Grading Scale: The following scale will be used. I reserve the right to revisit this scale to your benefit – never to your detriment.

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

Lab Assignments: Lab assignments must be turned by midnight the night before the next lab period. 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.

Forecast Challenge: You will be required to participate in the WXChallenge. This will be part of the participation grade for the lab. Both lab instructors will also be participating in the WXChallenge and should you beat one of us you will get an extra 0.5% on your final grade. If you are able to beat both of us, then you will get an extra 1% on your final grade. A maximum of 5% of extra credit can be earned this manner. If throughout the entire semester you are able to beat consensus in the final standings for each of the cities, you will be allowed to replace your lowest lab score with your highest lab score, however, zeros will not be replaced.

Holidays: March 17th, Spring Break.

Attendance: You are expected to attend every lab session, although attendance will not be taken, it will factor into your class participation grade. The material learned in one class is connected to other material learned in the class on other days, so it is to you advantage to attend every lab, for the full time. Pop quizzes will be given throughout the semester.

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. This course will have an additional webpage located at: <http://weather.ou.edu/~metr2021>. This will be the location to find lab content, such as PDFs of the labs, answers to the labs, etc.

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 the loss of any extra-credit opportunities for the entire semester. I reserve the right to give further punishments, in accordance to the rules of this university.

Needed Disclaimer:

"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."