

METR 2021 – Introduction to Meteorology II Laboratory Syllabus: Spring 2010

Instructor: David Sherman
Office: NWC 5632 **Phone:** None
Office Hours: MR 3:00 pm – 5:00 pm 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 in 2023 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.

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

Other handouts as given by instructor

Grading:	Approximately 8-9 Lab assignments	90%
	Pop Quizzes	10%

Grading Scale:

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

Lab Assignments: Lab assignments must be submitted on learn.ou.edu prior to the start of the next lab period (i.e. the “dropbox” will close at 4:00 pm each Tuesday). The only exceptions will be for extenuating circumstances (i.e. death in the family, hospitalization, etc.) when the instructor notified at least 24 hours in advance.

Forecast Challenge: You are strongly encouraged to participate in the WXChallenge. To add a little incentive: if you participate regularly (i.e. submit forecasts rather than relying on consensus

modeling 5 out of 6 days a week), throughout the entire semester, your lowest lab score will be dropped. Also, if throughout the entire semester you are able to beat consensus in the final standings for each of the cities, you will be awarded a 5% bonus to your final grade.

Holidays: Spring Break: March 13 – 21st

Attendance: You are expected to attend every lab session. Although attendance will not be taken, pop quizzes may be given at any time. It is to your advantage to attend every lab, as throughout the semester we will be building on material and concepts covered in previous labs.

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 your instructor immediately. In addition, there will be a website located at http://weather.ou.edu/~metr2021/SPRING_2010 which will contain the lab assignments and any example graphics. Stayed tuned for more details as they come.

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. 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>

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.

Required 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."