

METR 2021 SYLLABUS

Summer 2013

Instructor: Stefan Rahimi (Office NWC 5110) rahimi@ou.edu

Class Location: NWC 5720

Class Schedule: Tuesdays, Thursdays; 3:30 p.m. – 5:10 p.m.

Class Website:

Necessary materials (labs, worksheets, etc) will be posted to the class website at weather.ou.edu/~srahimi/metr2021.

Course Overview/Objectives:

This lab will build on concepts covered in the Intro 1 lab. The course will provide an introduction towards the development of working knowledge of various weather data analysis tools and platforms. Activities/concepts to be covered in this lab include (not necessarily in this order):

- The development of a class website
- Work in IDV
- Atmospheric Force Balances
- Composition of model data and subsequent analysis
- Composition of atmospheric charts using raw data
- Satellite meteorology
- Mid-latitude cyclones
- Weather radar
- MATLAB
- Atmospheric soundings and upper air analysis

Grading/Attendance:

Attendance is *mandatory*. I will take count at the beginning of lecture. An automatic 10 percent will be deducted from that week's lab if a student does not attend.

There will be 13 labs, and 5 surprise quizzes. The grade weighting distribution is as follows:

Labs (13): 80%
Quizzes (5): 20%

The final grades will be determined via natural cut-offs.

Late Policy:

Labs are due by the following class period. A penalty of 10 points will be imposed per day for work that is late. I will not accept work after the third day.

Academic Misconduct:

Do not cheat!

