

ATMS 301 – Current Topics

Dr. David Whiteman

dnwhiteman@gmail.com

240 264 7957

Introductions

- DNW
 - NASA civil servant 1979 - 2017
 - Laser remote and in situ measurements of water vapor, clouds and aerosols
 - Weather forecast improvement
 - Trend monitoring of atmospheric constituents
 - Howard U
 - NSF: HBCU Excellence for Data Assimilation and Lidar Measurements
 - NSF: Planetary Boundary Layer Workshops
 - Multi Filter Rotating Shadowband Radiometer
 - Mentor students from Eleanor Roosevelt HS in Greenbelt
 - Hobbies
 - Bike riding, working around the house, piano
- You
 - tell us about your background and research interests within the HUPAS program
 - Chavonne Bowen
 - Bria Davis
 - Donald Long
 - Anaiya Reliford
 - Reuben Vassar
 - Alia Wofford

Course Description - I

- Weekly video conference meetings on a mutually agreed day/time
 - Wed or Frid @ 3:00-5:00 pm?
 - Office hours would be at 1:00 pm on the same day
 - At weekly meetings will review development of presentations
 - All students will provide updates on their progress
- Oral (15-20 min) and written (7 page) presentation of scientific material due by the end of the semester
 - Depending on student's research progress
- Grading will be based on
 - (punctual) class attendance and participation
 - Quality of your overall research plan
 - Quality of your oral and written presentation

Course Description - II

- We will be using Microsoft Teams for future class meetings
 - Expect to see communications soon about a new Teams group
- I will be setting up Blackboard for the class
 - Submission of work and grading feedback will occur through Blackboard
- Note course webpage
 - <https://dnwsite.weebly.com/atms-301-presentation-skills.html>

Presentation Expectations and Tips

- Written (7 pages)
 - Title, Abstract, Introduction, Data Sources, Methods, Results, Discussion, Conclusions, Acknowledgments, References, data and code in supplemental material
- Oral (15-20 mins)
 - Title, Outline, 8-10 slides of material, Summary
- Tips
 - You're telling a story: think about the flow of ideas and what your audience needs to know to understand
 - Written
 - Third person, substantiate claims with citations, no personal opinions
 - Oral
 - Tell them what you're going to tell them, tell them, remind them what you told them
 - Always be prepared for at least one question on any statement you make
 - Use bullets to convey what you want your audience to remember from a particular slide
 - Use clear, simple graphics
 - Beware of information overload
 - What are the (few) key points that you want everyone to take away from your presentation?

Who will make oral and written presentations?

- Let's decide now ...
 - Second year students who have already presented their research proposal and/or performed a NERTO should write a paper
 - All first year students and remaining second year students should make an oral presentation

For Next Class

- Provide a bulleted outline of your oral or written paper ideas providing main ideas and giving references
 - Each student will present to the class what they have prepared
 - If you are a new student and only have a vague idea of what you might present, present your interests and where you learn about them
 - If you are an NCAS-M fellow, see if you can find a NOAA connection.