

# ENV-250

## Meteorology: 3 Credits

**Instructor : Dr. Marty Becker e-mail:  
beckerm2@wpunj.edu**

**Office :** 415 Hamburg Turnpike **Phone Ex:** 3409

**Text :**

**The Atmosphere: An Introduction to Meteorology** , 11 th ed., by: F. Lutgens, E. Tarbuck and D. Tasa, 2009, p. 528.

### Lecture Course Outline

## Class Topic-----Text Reading

1. The Economic Importance of Understanding Weather **Chapts. 1-3**

2. Earth's Shape, Atmosphere

Composition and Boundaries

3. Sun's Path and Seasons/Heat Transfer

4. *Exam 1*

5. Moisture and Atmospheric Stability **Chapts. 4-8**

6. Clouds: Formation and Names, Condensation

and Precipitation

7. Barometric Pressure/Winds

8. Air Masses/Fronts

9. *Exam 2*

10. Storm Weather: Hurricanes, **Chapts. 10-14**

Tornadoes, Thunderstorms, Floods

11. Air Pollution

12. Ocean Circulation and Weather

13. World Climates

14. **Exam 3**

15. Optical Phenomena in the Atmosphere **Chapt. 15**

16. Weather and the Internet

17. Weather Forecasting and Interpreting Satellite Images **Chapt. 9**

## Grades

-2 Examinations 200 points

-Attendance and Completion of Selected 4 Exercises 100 points

-Final Exam 100 points

-Your total grade is the average

-compilation of these items.

-You may drop the lowest exam grade.

**This does not include the final exam.**

## Grades :

A = 91 and above -----C+= 75-78

A- = 89-90 -----C = 71-74

B+ = 85-88 -----C- = 69-70

B = 81-84 -----D = 68-60

B- = 79-80 -----F = 59 or less

Modifications to the individual topics and schedule will take place as necessary. You will be notified in advance.

### **Other General Guidelines:**

1. Attendance of all lectures is highly recommended and a component of your grade. I will not be teaching directly from the textbook.

There is a direct correlation between students with good attendance and those will perform well in ENV-250.

2. All my classroom notes will be on file in the Science Enrichment Center.

3. Exam Make Ups: All make up exams are with my approval and will take place after the final exam is given.

4. All late assignments to be graded will be assessed a penalty of one letter grade per day late.

5. Turn off all cell phones and pagers during class.

6. Be courteous and a good listener to those who are speaking during class and lab.

7. Your work schedule should not conflict with scheduled course time.

8. Academic dishonesty will not be tolerated! You will receive the maximum penalties in accordance with the WPU student handbook.

### **Science Enrichment Center Coupons:**

You will be given 0.5 points for each 1 hour and 15 minute visit to the Science Enrichment Center for extra help and tutoring. A maximum of 10 visits is permitted during the semester. All accumulated points will be added to your final course grade.

Best wishes for a great semester. If you have any questions or need extra help during the semester please stop by after class or during my office hours.

Enjoy! Dr. Becker