

# Course Assessment – Part A: Your Plan

#276

Your Email \*

Please select your course & name from the drop-down menu. Contact Instructional Services if your course or name are incorrect or missing

GS 109 – Physical Science (Meteorology) – 1092316 – Gretchen Gebhardt – Winter 2018

Part A: Your Plan  
[Directions](#)

Use an understanding of atmospheric processes to explain the practice of weather prediction.

1. Choose three of your course outcomes to assess and report on this term (these will also be used in your Student Course Evaluation survey):

Outcome #1 \*

Outcome #2 \*

Make field and laboratory based observations and measurements of the atmosphere, weather, and climate, use scientific reasoning to interpret these observations and measurements, and compare the results with current models of meteorological processes identifying areas of congruence and discrepancy

Outcome #3 \*

Use scientifically valid modes of inquiry, individually and collaboratively, to critically evaluate the hazards and risks posed by meteorological processes both to themselves and society as a whole, evaluate the efficacy of possible ethically robust responses to these risks, and effectively communicate the results of this analysis to their peers.

Have you completed an assessment for this course prior to this term?

Yes

If yes, are you assessing different outcomes?

Yes

Comments:

Outcome 1 I did not do last time, Outcomes 2 & 3 I have. I implemented a new weather observation assignment and am not using a textbook this term – instead I am using OER materials I developed. I would like to see how things compare with the changes.

2. To which degree(s) or certificate(s) does your course map?

[Degree, Certificate, & Program Outcomes](#)

- Not Sure
- Associate of Arts Oregon Transfer
- Associate of Science

Method of Assessment

Final Exam Essay Question:

3. What methods will be used to assess individual student understanding of each of these outcomes? (Please be specific.)

This term we learned about the various weather elements and atmospheric processes. We also spend a week learning about weather forecasting and even visiting the National Weather Service office. Please use this knowledge to describe the process of weather forecasting.

Outcome #1: Method to assess student understanding \*

Outcome #2: Method to assess student understanding \*

Weekly Weather Journal – Students will be required to collect weather data throughout the term each week using various tools (thermometer,

sling psychrometer, etc) along with the CGCC weather station. Students will evaluate the data in portions of the week 5, 8 (forecasting) and 9 (climate) labs. Students will also be completing a weather observation notebook each week in which they must observe local weather and what is happening regionally, nationally and globally.

**Outcome #3: Method to assess student understanding \***

Final Project Presentation – Students are required to work as a group to put together a presentation regarding an aspect of weather/climate that affects humans and/or the Earth. As well as explain the process and how we respond to the hazards.

**4. How will you know if you were successful in your efforts to teach this outcome?**

If 80% of students earn 80% or higher on essay question (20/25 points)

**Outcome #1: \***

**Outcome #2: How will you know if you were successful in your efforts to teach this outcome? \***

If 80% of students earn 80% or higher on the compiled assignments (portions of the week 5, 8 (forecasting) and 9 (climate) labs.

**Outcome #3: How will you know if you were successful in your efforts to teach this outcome? \***

If 80% of students earn 80% or higher on the Presentation (40/50 points)

**5. Instructor Questions: Create two course specific questions to be included on the Student Course Evaluation. Question #1**

How well did the weekly weather observations aid in your understanding of the material in this course? Please describe how they helped and/or how they did not.

**Question #2**

How well did the online reading material aid in your understanding of the material in this course? Please indicate if you used a book or just the online videos and reading material as well as what you liked or did not like about the material. If you notice

**Do you require the names of students who complete the course evaluation survey? (Please note: names will be sent to instructors the Thursday before term ends)**

Yes

Reminder, when completing Part B, instructors will be asked the following questions:  
 1. Describe anything you did to support the institutional effort to support students in improving "Sources and Evidence" and/or "Organization and Presentation" for the CLO Communication  
 2. Describe anything you did to support the institutional effort to support students in improving "Student Position" and/or "Evaluate Potential Solutions" for the CLO Critical Thinking/Problem Solving

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