

**University of Wyoming**  
**Atmospheric Science**  
**Ph.D. Qualifying Exam Assessment**

Date of Exam \_\_\_\_\_

The Ph.D. Qualifying Exam is designed to assess the preparedness for a student to enter into the Ph.D. program.

Ph.D. Students are expected to:

- Demonstrate an understanding of basic concepts in Atmospheric Science. The concepts are drawn from 4 core classes (ATSC 5010, 5011, 5014, 5016) taken during the first year of graduate study.
- Explain how these concepts apply to broader topics in Atmospheric Science.

| Criteria/<br>Guidance   | Comment | Grade*<br>(1-5) |
|---|---------|-----------------|
| 1. Accuracy – How well does the student accurately address the question?  |         |                 |
| 2. Breadth – Does the student’s answer demonstrate a broad understanding of the material? Is the student able to ‘see the big picture?’ |         |                 |
| 3. Clarity – Is the student’s answer clear? Does it follow a path of logical steps?   |         |                 |
| 4. Depth – Is the student’s answer/discussion thorough? Does the student demonstrate a deep understanding of the material?              |         |                 |

\*5 – Excellent, 3 – Average for Ph.D. student, 1 – Needs significant improvement

| Overall Performance   | Comment | Grade*<br>(1-5) |
|---|---------|-----------------|
| Overall Assessment of students performance. Comments should include pass/fail and any required remediation. |         |                 |