Earth and Ocean Sciences 551: Dynamic Meteorology

Instructor: Adam Monahan  
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Office Hours: After class or by appointment

Course Description: Equations of motion, generation of atmospheric motions, circulation theorems, scale analysis and simplifications of the equations of motion, the planetary boundary layer, waves in the atmosphere, instability theory, the general circulation.

Prerequisites: Permission of instructor

Website: http://web.uvic.ca/~monahana/eos551.html

Assessment:  
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<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Assignments</td>
<td>50%</td>
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<tr>
<td>Final Project</td>
<td>25%</td>
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<tr>
<td>Presentation</td>
<td>20%</td>
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<td>Attendance &amp; Participation</td>
<td>5%</td>
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Grading:  

Assignments: There will be several assignments given throughout the term. Students are strongly encouraged to work together on the assignments. Each student must submit their own assignment: submission of work copied from another student will be treated as plagiarism and dealt with as per university policy (see calendar pp. 31-32).

Final Project and Presentation: Each student will be assigned a single chapter from the text covering material that is not discussed in the lectures. The student will be responsible for learning this material and presenting a 45-minute lecture on the subject after the end of regular lectures. Furthermore, the student will be responsible for writing a final project on a single topic from their chapter, going beyond the material that is covered in the text. The project will be due on Friday, December 9. The project should be between 20 and 30 pages in length. Page lengths are based on double spaced text, excluding figures. The topic of the project must be approved by the instructor before October 14.

All requests for Deferred Status for final exams MUST be made at Records Services on a Request for Academic Concession form. No other arrangement is acceptable. No supplemental examinations are offered in this course.