Tentative Schedule

<table>
<thead>
<tr>
<th>Jan.</th>
<th>Feb.</th>
<th>March</th>
<th>April</th>
<th>May</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>26</td>
<td>28</td>
<td>28</td>
<td>30</td>
</tr>
<tr>
<td>Jan.</td>
<td>Feb.</td>
<td>March</td>
<td>April</td>
<td>May</td>
</tr>
<tr>
<td>31</td>
<td>2</td>
<td>4</td>
<td>2</td>
<td>6</td>
</tr>
<tr>
<td>7</td>
<td>9</td>
<td>11</td>
<td>7</td>
<td>11</td>
</tr>
<tr>
<td>14</td>
<td>16</td>
<td>18</td>
<td>14</td>
<td>16</td>
</tr>
<tr>
<td>21</td>
<td>23</td>
<td>25</td>
<td>22</td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>2</td>
<td>4</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>7</td>
<td>9</td>
<td>11</td>
<td>11</td>
<td>15</td>
</tr>
<tr>
<td>14</td>
<td>16</td>
<td>18</td>
<td>25</td>
<td>29</td>
</tr>
<tr>
<td>2</td>
<td>4</td>
<td>6</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

Ch. 1
- Definitions, forces, hydrostatics
- Coordinate systems, rotation

Ch. 2
- Momentum equations
- Continuity equation
- Heat equation

Ch. 3
- Balanced flow
- Thermal wind
- Trajectories, gradient wind

Ch. 4
- Circulation
- Vorticity
- Potential vorticity

Ch. 7
- Waves
- Gravity waves
- Rossby waves

Meeting place and time: 140 Bard Hall, MWF 10:10AM

Instructor: Peter J. Gierasch, 318 Space Sciences, pjg10@cornell.edu, 255-8544

Grader: Daniel Stern, dps28@cornell.edu

Grading:
1. Problem sets every week or two, 1/3 of grade
2. Two preliminary examinations, 1/3 of grade
3. Final examination, 1/3 of grade

Office Hours: No fixed hours, Dr. Gierasch welcomes either appointments or walk-ins

Web Site: http://www.astro.cornell.edu/academics/courses/astro342/