EARTH 1110 (IAI P1 905L)  
Introduction to Meteorology  
4 credit hours  

This is an information sheet only, not the course syllabus.  

COURSE DESCRIPTION  
A first look at various aspects of meteorology, including solar radiation, global circulation, environmental issues, winds, stability, precipitation processes, weather systems and severe weather. Basic physical principles, meteorological terminology, societal impacts, and weather analysis will be explored. Prerequisite: Mathematics 0481 (or college equivalent) with a grade of C or better or qualifying score on the mathematics placement test or a qualifying A.C.T. math score. Course requires Reading Placement Test Score-Category One. (3 lecture hours, 2 lab hours)  

REQUIRED AND RECOMMENDED COURSE MATERIALS  
Please follow the instructions below to locate information on the textbook and other materials for this course.  
1. From COD home page, click on myACCESS.  
2. Click on Search for Credit Classes.  
3. From the Term drop-down box select the term.  
4. Choose your course from the Subjects drop-down menu.  
5. In the Course # field, enter your course number.  
6. In the Section field, enter the course section number if known.  
7. From the Course Types drop-down menu select Internet/Online.  
8. Scroll to the bottom of the page and click on SUBMIT.  
9. Click on the Section Name and Title link.  
10. Click on Click here for prices of required textbook(s) and supplies and course material information will be displayed.  

Alternatively, you can visit the COD Bookstore website to find this information.  

COURSE OUTLINE  
The course is designed to cover the following topics  
- Basics  
- EarthSun Geometry  
- Atmospheric Composition and Structure  
- Energy and Heat  
- Temperature  
- Adiabatic Processes  
- Moisture8. Stability  
- Clouds
- Precipitation
- Atmospheric Motion
- Global Circulation
- Fronts and Air Masses
- Midlatitude Cyclones
- Severe Weather
- Hurricanes
- Remote Sensing and Forecast

See Course Syllabus or contact instructor for specific details on assignments, exams and deadline dates.

**EVALUATION/GRADING**

<table>
<thead>
<tr>
<th>Course Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Unit Quizzes / Discussion Board</td>
<td>50%</td>
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<tr>
<td>Midterm Exam</td>
<td>20%</td>
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<tr>
<td>Cumulative Final Exam</td>
<td>30%</td>
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<table>
<thead>
<tr>
<th>Grade</th>
<th>Percent</th>
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<tbody>
<tr>
<td>A</td>
<td>89.5 - 100%</td>
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<tr>
<td>B</td>
<td>79.5 - 89.4%</td>
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<tr>
<td>C</td>
<td>69.5 - 79.4%</td>
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<tr>
<td>D</td>
<td>60 - 69.4%</td>
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<td>F</td>
<td>Below 49.5%</td>
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**SATISFACTORY/FAIL OPTION**
The S/F grade is not an option in this course.

**INCOMPLETE GRADE POLICY**
An incomplete will only be given in an exceptional circumstance. Contact the instructor or refer to the course syllabus for details.