This course fulfills specific general education requirements. For more information, consult the current academic catalogue.

Instructor: Mrs. Kelley Sayyar
E-mail: sayyark@uamont.edu
Office: Room C-10 Science Center
Office Phone: 870.460.1365
Office Hours: MWF 10:00 am - 12:00 pm, or by appointment (on-line/on-campus)

MODE OF INSTRUCTION: Modified On-line instruction utilizing instructor e-mail and American Meteorological Society (AMS) website. Please note: The format of the AMS provided material may not conform to Blackboard. Therefore, all assignments will be submitted to the appropriate instructor by e-mail.

All exams will be taken on campus.

REQUIRED COURSE TEXTS: Available from the UAM bookstore or the AMS Bookstore at www.ametsoc.org/amsedu/bookstorelink/index.html.

   ISBN: 193570477X (Lab book only – select this option if you are not taking the lecture)

2. eInvestigations Manual 2014-2015 and Introduction to Atmospheric Science, 5th ed. - hardcover text
   ISBN: 19400330042 (Select this package option if you are taking the class and lab together)
   or
   ISBN: 1935704761 (Select this package option if you are taking the class and lab together)

TECHNOLOGY REQUIREMENTS:
Access to a working computer with Internet capability is required.
• Internet Connection: Cable, DSL or Satellite Internet required. Dial-up connection is insufficient.
• Be sure you have an alternate location for conducting your class work. Failure of your computer is not an excuse for missing assignments. Suggestions: Campus Computer Labs, Parent’s, Friend’s or Relative’s home computers.

UAM TECHNICAL SUPPORT INFORMATION:
• Issues with usernames, passwords, or UAM Email:
  Office of Information Technology: phone 870-460-1036. Open Monday-Friday, 8 a.m.-4:30 p.m.

COURSE DESCRIPTION AND OBJECTIVES:
The overall goal of this course is to introduce the vast subject of meteorology in a manner, and with a philosophy, that will show that meteorology is an integrated discipline involving processes and response to those processes known as products.

By the time the student completes this course he/she should be able to:

1. Interpret the nature of changes in the Earth’s climate, weather and seasons.
2. Access data from weather instruments.
3. Read and construct weather maps.

COURSE PROCEDURES AND EXPECTATIONS:

1. Computer Skills: You must know how to use and be comfortable with a computer and the internet before you attempt this course. All of our course materials are delivered through various web sites. Use of a computer to obtain and read the material is essential to your success in the course. You should be comfortable with and familiar with the following:
   a. Web browsers; internet Explorer, Mozilla, etc.
   b. Sending and receiving e-mail using your UAM email account.
   c. Word processing program, such as MS Word, Word Perfect.

GRADES AND EVALUATION:

1. There will be three (3) 200-point, non-comprehensive tests given during the semester for a total of 600 points. The third exam will be the final.
2. All tests will be taken on-campus. You must bring a valid UAM ID for admission. The test dates are listed in the schedule below. They will be at 5:00 pm in the Science Center Auditorium.
3. During the semester you will attempt twelve (12) A investigations and twelve (12) B investigations for a total of 24 lab investigations. Each investigation will be worth 10 points. Scores from the 10 best A and the 10 best B investigations attempted will be counted for a possible 200 points.

4. Grades will be determined based on the following scale:

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>89.5-100%</td>
<td>79.5-89.4%</td>
<td>69.5-79.4%</td>
<td>59.5-69.4%</td>
<td>0-59.4%</td>
</tr>
<tr>
<td></td>
<td>(716-800 pts)</td>
<td>(636-715 pts)</td>
<td>(556-635 pts)</td>
<td>(476-555 pts)</td>
<td>(0-475 pts)</td>
</tr>
</tbody>
</table>

Code numbers will be used for posting grades. You have the right not to have your grades posted. Please let us know if you wish not to have your grades posted.

ONLINE INVESTIGATIONS:

1. Submitting assignments:
   a. The Weather Studies Manual Investigations and Applications A and B are to be answered on the Investigation answer sheets that are available only from the AMS Weather Website http://www.ametsoc.org/amsedu/login.cfm
   b. The supplemental online Current Weather Studies questions are posted on the AMS website by about noon Eastern Time each Monday (A) and Wednesday (B) for the dates listed on the schedule below.
   c. On the Investigations Manual answer sheets (posted on the AMS website), delete the incorrect answer(s) on the multiple choice questions.
   d. These two answer sheets are to be sent as email text or as an attachment to your instructor by 11:59 pm on the due date listed below. No late assignments will be accepted for any reason.
   e. Drawings do not need to be sent.

2. Additional Information:
   a. Please put your NAME and COURSE ID as the first line of all e-mails.
   b. Please indicate a SUBJECT for your e-mail (like "Help", "Chapter 1 Assignment", question about exam", etc). E-mails without a name or subject will not be answered.
   c. Copy and paste your assignment/message into the body of an e-mail, or as attachments to your e-mail.
   d. Please use upper- and lower-case type. All lower-case or upper-case letters are difficult to read.
e. Use your spell checker and proof your work.

f. Use 12 point type size, and Times Roman, Arial, or Courier fonts.

g. Assignments are due by 11:59 pm on the due date listed below. **No late assignments will be accepted for any reason.**

**Note: Orientation meeting on Thursday, January 22nd at 5:00 pm in the Science Center Auditorium.**

<table>
<thead>
<tr>
<th>Week</th>
<th>Current Weather Studies A (Posted about Monday noon ET)</th>
<th>Current Weather Studies B (Posted about Wednesday noon ET)</th>
<th>Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preview</td>
<td>Jan 19 - Surface Air Pressure Patterns</td>
<td>Jan 21 - Air Pressure and Wind - Orientation meeting January 22nd</td>
<td>Preview</td>
</tr>
<tr>
<td>1</td>
<td>Jan 26 - Surface Air Pressure Patterns</td>
<td>Jan 28 - Air Pressure and Wind</td>
<td>Feb 01</td>
</tr>
<tr>
<td>2</td>
<td>Feb 02 - Surface Weather Maps</td>
<td>Feb 04 - The Atmosphere in the Vertical</td>
<td>Feb 08</td>
</tr>
<tr>
<td>3</td>
<td>Feb 09 - Weather Satellite Imagery</td>
<td>Feb 11 - Sunlight Throughout the Year</td>
<td>Feb 15</td>
</tr>
<tr>
<td>4</td>
<td>Feb 16 - Temperature and Air Mass Advection</td>
<td>Feb 18 - Heating Degree-Days and Wind Chill</td>
<td>Feb 22</td>
</tr>
<tr>
<td>5</td>
<td>Feb 23 - Air Pressure Change</td>
<td>Feb 25 - Atmospheric Pressure in the Vertical Test #1 – February 26th</td>
<td>Mar 01</td>
</tr>
<tr>
<td>6</td>
<td>Mar 02 - Clouds, Temperature, and Air Pressure</td>
<td>Mar 04 - Rising and Sinking Air</td>
<td>Mar 08</td>
</tr>
<tr>
<td>Spring Break</td>
<td>Mar 09 - AMS Spring Break</td>
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<tr>
<td>7</td>
<td>Mar 16 - Precipitation Patterns</td>
<td>Mar 18 - Doppler Radar</td>
<td>Mar 22</td>
</tr>
<tr>
<td>9</td>
<td>Mar 30 - Westerlies and the Jet Stream</td>
<td>Apr 01 - El Niño - Test #2 – April 2nd</td>
<td>Apr 05</td>
</tr>
<tr>
<td>10</td>
<td>Apr 06 - The Extra-Tropical Cyclone</td>
<td>Apr 08 - Extra-Tropical Cyclone Track Weather</td>
<td>Apr 12</td>
</tr>
<tr>
<td>11</td>
<td>Apr 13 - Thunderstorms</td>
<td>Apr 15 - Tornadoes</td>
<td>Apr 19</td>
</tr>
<tr>
<td>12</td>
<td>Apr 20 - Hurricanes</td>
<td>Apr 22 - Hurricane Wind Speeds and Pressure Changes</td>
<td>Apr 26</td>
</tr>
</tbody>
</table>

**INSTRUCTOR FEEDBACK SCHEDULE:**
Typically, you will receive an e-mail within 24 hours or less. If you do not receive a return message, please send your e-mail again. **Don’t wait days for a response.**

**ACADEMIC HONESTY:**
1. Cheating: Students shall not give, receive, offer, or solicit information on examinations, quizzes, etc. This includes but is not limited to the following classes of dishonesty:

   a. Copying from another student’s paper.

   b. Use during the examination of prepared materials, notes, or texts other than those specifically permitted by the instructor.
c. Collaboration with another student during the examination.
d. Buying, selling, stealing, soliciting, or transmitting an examination or any material purported to be the unreleased contents of coming examinations or the use of any such material.
e. Substituting for another person during an examination or allowing such substitutions for oneself.

2. Collusion: Collusion is defined as obtaining from another party, without specific advance approval by the instructor, assistance in the production of work offered for credit, to the extent that the work reflects the ideas of the party consulted rather than those of the person whose name is on the work submitted.

3. Duplicity: To offer for credit identical or substantially unchanged work in two or more courses, without specific advanced approval of the instructors involved.

4. Plagiarism: To adopt and reproduce as one’s own, to appropriate to one’s use, and to incorporate in one’s own work without acknowledgment the ideas or passages from the writings or works of others.

For any instance of academic dishonesty that is discovered by the instructor, whether the dishonesty is found to be cheating, collusion, duplicity, or plagiarism, the result for the student or students involved will be that the instructor will assign a grade of F for the examination or assignment involved. (See page 40 of the UAM catalog 2013-15 for further academic code violations).

POLICY ON STUDENTS WITH DISABILITIES: It is the policy of the University of Arkansas-Monticello to accommodate individuals with disabilities pursuant to federal law and the University’s commitment to equal educational opportunities. It is the responsibility of the student to inform the instructor of any necessary accommodations at the beginning of the course. Any student requiring accommodations should contact the Office of Special Student Services located in Harris Hall, Room 120, phone 870-460-1026; TDD 870-460-1626; or FAX 870-460-1926.

DISCLAIMER: This syllabus is tentative and a guide. The instructor reserves the right to make changes.

DATES TO REMEMBER:

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan 07</td>
<td>First day of classes</td>
</tr>
<tr>
<td>Jan 09</td>
<td>Last day to register or add spring classes</td>
</tr>
<tr>
<td>Jan 19</td>
<td>Martin Luther King Holiday. Offices and classes closed</td>
</tr>
<tr>
<td>Mar 18</td>
<td>Last day to drop a regular spring class. Grade will be W</td>
</tr>
<tr>
<td>Mar 23-27</td>
<td>Spring Break</td>
</tr>
<tr>
<td>Apr 06-17</td>
<td>Preregistration for summer and fall 2015</td>
</tr>
<tr>
<td>Apr 28</td>
<td>Last day of classes</td>
</tr>
<tr>
<td>Apr 29-May 05</td>
<td>Final exam period</td>
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</tbody>
</table>