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

Instructor: Dr. Jim Edson
E-mail: edson@uamont.edu
Office: Museum #109
Office Phone: 870.460.1966
Office Hours: Hours: MWF 9:00 – 11:00; 2:00 – 3:00, TT 10:00 – 11:00; 3:00 – 4:00
(on-line/on-campus)

Instructor: Mrs. Kelley Sayyar
E-mail: sayyark@uamont.edu
Office: Room C-10 Science Center
Office Phone: 870.460.1365
Office Hours: MWF 10:00am-12:00pm; T 9:00-9:30am and 11:30am-12:00pm (or by appt.)
(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 9. 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.

1. Moran: *Weather Studies Introduction to Atmospheric Science, 5th ed.* – hardcover text
   ISBN: 1935704958 (Textbook only – select this option if you are not taking the lab)
   or
   Moran: *Weather Studies Introduction to Atmospheric Science, 5th ed.* – eText
   ISBN: 1935704788 (Textbook only – select this option if you are not taking the lab)

   ISBN: 1940033004 (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. understand the methodologies of science.
2. describe how meteorology relates to the other natural sciences.
3. develop an appreciation for the role that water, wind and ice have in Earth’s system.
4. explain the difference between weather and climate.
5. discuss the formation and forms of precipitation.
6. describe the idealized global patterns of pressure, wind and atmospheric circulation.

TOPICS TO BE COVERED:
- Chapter 1 Monitoring Weather
- Chapter 2 Atmosphere: Origin, Composition, and Structure
- Chapter 3 Solar and Terrestrial Radiation
- Chapter 4 Heat, Temperature, and Atmospheric Circulation
- Chapter 5 Air Pressure
- Chapter 6 Humidity, Saturation, and Stability
- Chapter 7 Clouds, Precipitation, and Weather Radar
- Chapter 8 Wind and Weather
- Chapter 9 Atmosphere and Planetary Circulation
- Chapter 10 Weather Systems of Middle Latitudes
- Chapter 11 Thunderstorms and Tornadoes
- Chapter 12 Tropical Weather Systems

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.

2. Submitting Assignments:
   a. Please put your NAME and COURSE ID (ESCI 1123 or ESCI 1131) 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.
3. **Assignment Schedule:** Assignments are due by 11:59 pm on the due date listed below. **No late assignments will be accepted for any reason.**

The 10 Review Questions for each chapter are located on Mrs. Sayyar’s or Dr. Edson’s faculty homepages so that you can download them.

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

<table>
<thead>
<tr>
<th>Week of</th>
<th>Assignments</th>
<th>Assignment Due</th>
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<tbody>
<tr>
<td>19-Jan</td>
<td><strong>Preview:</strong> Chapter 1: Monitoring Weather</td>
<td><strong>Preview</strong></td>
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<td></td>
<td><strong>Orientation meeting on Thursday, January 22nd</strong></td>
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<tr>
<td>26-Jan</td>
<td>Chapter 1: Monitoring Weather</td>
<td>1-Feb</td>
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<tr>
<td>2-Feb</td>
<td>Chapter 2: Atmosphere: Origin, Composition, and Structure</td>
<td>8-Feb</td>
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<tr>
<td>9-Feb</td>
<td>Chapter 3: Solar and Terrestrial Radiation</td>
<td>15-Feb</td>
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<tr>
<td>16-Feb</td>
<td>Chapter 4: Heat, Temperature, and Atmospheric Circulation</td>
<td>22-Feb</td>
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<tr>
<td>23-Feb</td>
<td>Chapter 5: Air Pressure - <strong>Exam # 1-February 26th</strong></td>
<td>1-Mar</td>
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<tr>
<td>2-Mar</td>
<td>Chapter 6: Humidity, Saturation, and Stability</td>
<td>8-Mar</td>
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<tr>
<td>9-Mar</td>
<td><strong>Spring Break (AMS) – No Assignment this week</strong></td>
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<tr>
<td>16-Mar</td>
<td>Chapter 7: Clouds, Precipitation and Weather Radar</td>
<td>22-Mar</td>
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<tr>
<td>23-Mar</td>
<td>Chapter 8: Wind and Weather <strong>Spring Break (UAM)</strong></td>
<td>29-Mar</td>
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<tr>
<td>30-Mar</td>
<td>Chapter 9: Atmosphere’s Planetary Circulation - <strong>Exam # 2-April 2nd</strong></td>
<td>5-Apr</td>
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<td>6-Apr</td>
<td>Chapter 10: Weather Systems of Middle Latitudes</td>
<td>12-Apr</td>
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<tr>
<td>13-Apr</td>
<td>Chapter 11: Thunderstorms and Tornadoes</td>
<td>19-Apr</td>
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<tr>
<td>20-Apr</td>
<td>Chapter 12: Tropical Weather Systems</td>
<td>26-Apr</td>
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<td><strong>Final Exam #3-April 30th</strong></td>
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**GRADES AND EVALUATION:**

1. There will be three (3) 250 point exams given during the semester. All of the exams will consist of 50 multiple choice questions. You will need a pencil for each test.

2. **All exams will be taken on-campus. You must bring your valid UAM ID for admission.** The exam dates are listed in the schedule above. They will be at 5:00 pm in the Science Center Auditorium.

3. There will be 12 assignments consisting of 10 short-answer questions based on the reading of each chapter of the text. The 10 Review Questions for each chapter are on the instructor’s webpage. These will be assigned and due on the dates given in the schedule above. Each assignment will be worth 25 points. The ten best scores will be counted for a possible total of 250 points. See the information above on how to submit them.
4. Maximum number of points (Review Questions + Exams) is 1000. Grades are based on the following scale:

<table>
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<tr>
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<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>F</th>
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<tbody>
<tr>
<td>Code</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>Points</td>
<td>(895-1000 pts)</td>
<td>(795-894 pts)</td>
<td>(695-794 pts)</td>
<td>(595-694 pts)</td>
<td>(0-594 pts)</td>
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Code numbers will be assigned for posting grades on faculty homepages. You have the right not to have your grades posted. Please let us know if you wish not to have your grades posted.

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 “0” for the examination or assignment involved. In addition the incident will be reported to the Vice-Chancellor for Academic Affairs. (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.
DATES TO REMEMBER:

January 9 (Fri) - Last day to register or add classes.
January 19 (Mon) - Martin Luther King Holiday. Offices and classes closed.
February 27 (Fri) - Deadline to apply for August and December graduation.
March 18 (Wed) - Last day to drop a Spring 2015 (session 1) class or withdraw from the term (not applicable to 8W1, 8W2, 6W1, C1, C2, or M1 session classes). Grade(s) will be W.
March 23-27 (Mon-Fri) - Spring Break.
April 6 (Mon) - Preregistration for Summer and Fall 2015 begins.
April 17 (Fri) - Preregistration for Summer and Fall 2015 ends.
April 28 (Tues) - Last day of classes.
April 29 - May 5 (Wed-Tues) - Final exam period.

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