## Online Course Addendum to Course Outline of Record

**Cat ID (from COR)** 432552.00  
**Course Number and Name** Geology 7: Weather and Climate  
**Submitted by** Kalon Morris  
**Email** kmorris@saddleback.edu

### Regular and Effective Contact Practices

**Establishing Expectations** Identify where or how expectations for frequency and timing of instructor initiated contact and feedback as well as expectations for student participation will be conveyed to students.

- [ ] Syllabus
- [ ] Orientation
- [ ] Other (please describe)

### Instructor-to-Student Contact: Announcements and/or Email must be selected with a frequency identified.

*Then, at least one more type of instructor-to-student contact (choices 1-6) must also be identified. Keeping in mind that more than one instructor might teach this class, selections should reflect minimum requirements as determined by the department. Individual instructors can always add more.*

#### 1. Announcements select any that may be used

<table>
<thead>
<tr>
<th>Scheduled Reminders</th>
<th>Current events related to content</th>
<th>Reactive and/or observational</th>
<th>Faculty absence</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>☒</td>
<td>☒</td>
<td>☒</td>
<td>☒</td>
<td>☐</td>
</tr>
</tbody>
</table>

Describe “other”

**Frequency of Announcements (regular contact)**

- [ ] Daily
- [ ] Weekly
- [ ] Every other week
- [ ] Other

Describe “other”

#### 2. Email: Select any that may be used to demonstrate effective and substantive contact.

- [ ] Instructor to Student questions and/or responses
- [ ] Reminders
- [ ] Other

Describe “other”

**Frequency of email (regular contact)**

- [ ] Daily
- [ ] Weekly
- [ ] Every other week
- [ ] Other

Describe other

#### 3. Individualized Assignment Feedback: Select any that may be used to demonstrate effective and substantive contact.

- [ ] Gradebook comments in LMS
- [ ] Turnitin Comments
- [ ] Emailed comments
- [ ] Graded assignments returned to student
- [ ] Rubrics with comments
- [ ] Other

Describe “other”
4. **Course Navigation Tools**: Select any that may be used to demonstrate effective and substantive contact.

<table>
<thead>
<tr>
<th>Course Guide Document ☒</th>
<th>Netiquette Guide ☐</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lesson Plans ☒</td>
<td>Other ☐</td>
</tr>
<tr>
<td>Weekly Checklists ☒</td>
<td>Describe Other:</td>
</tr>
</tbody>
</table>

5. **Office Hours**: Select any that may be used to demonstrate effective contact.

| In Person ☒ | Raise your hand ☐ | Telephone ☒ | Virtual ☒ |

6. **Orientation**: Select any that may be used to demonstrate effective and substantive contact.

| Face to Face ☐ | Online ☒ | Other (describe) |

**Student-to-Student Interaction**
Select any type that may be used to demonstrate effective and substantive contact

<table>
<thead>
<tr>
<th>Discussion ☒</th>
<th>Collaborative work (e.g. Wiki or Group Project) ☐</th>
<th>Synchronous communication opportunities ☒</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other (Describe)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>None ☐</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Include a detailed explanation that describes an alternative opportunity for community building among students

Students are required to participate in graded discussion forums based on current topics in meteorology

**Frequency of Student-to-Student Interaction**
Select frequency based on the combination of types chosen. In other words how often will student to student interaction be expected regardless of the type

<table>
<thead>
<tr>
<th>Daily ☐</th>
<th>Weekly ☒</th>
<th>Every other week ☐</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other (describe)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Content Delivery** (Check all that might apply and all typical formats)

**Lectures**

<table>
<thead>
<tr>
<th>Written Narrative ☒</th>
<th>Electronic slide show ☒</th>
<th>Video ☒</th>
<th>Pod-cast ☐</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other (Describe)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**External Resources**

<table>
<thead>
<tr>
<th>Websites ☒</th>
<th>Video ☒</th>
<th>Journal Articles ☒</th>
</tr>
</thead>
<tbody>
<tr>
<td>Handouts ☒</td>
<td>Interactive Website/Lab ☒</td>
<td>Pod-cast ☐</td>
</tr>
<tr>
<td>Other (Describe)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Lab**

<table>
<thead>
<tr>
<th>On Saddleback Campus ☐</th>
<th>On location related to class (e.g. hospital or film location) ☐</th>
<th>n/a ☒</th>
</tr>
</thead>
</table>
### Field Trip
- Faculty led ☐
- Independent ☐
- n/a ☒

### Supplemental Meetings
- Scheduled reviews X
- Study sessions ☐
- None ☐

### Course Quality Standards:
The section below captures representative adaptations to assignments, methods of evaluation or grading criteria that might be utilized when the course is taught online. When there are no differences, the check box in the “same as traditional” area can be used. Keep in mind that this addendum applies to any instructor who teaches the course, so any adaptations described will be representative samples not required elements.

#### Objectives Copy each one from the Course Outline of Record
1. Describe what science is and apply the scientific approach to problem solving.
   - Assignment same as traditional
   - Assignment adaptations for online version (describe below)
   - MOEs same as traditional
   - Method-of-Evaluation Adaptations for online version (describe below)
   - Grading same as traditional
   - Rubric/Grading Method Adaptations for online version

#### Objectives Copy each one from the Course Outline of Record
2. Describe the chemical composition and the physical structure of the atmosphere.
   - Assignment same as traditional
   - Assignment adaptations for online version (describe below)
   - MOEs same as traditional
   - Method-of-Evaluation Adaptations for online version (describe below)
   - Grading same as traditional
   - Rubric/Grading Method Adaptations for online version

#### Objectives Copy each one from the Course Outline of Record
3. Explain the causes of seasons and the significance of the solstices and equinoxes.
   - Assignment same as traditional
   - Assignment adaptations for online version (describe below)
   - MOEs same as traditional
   - Method-of-Evaluation Adaptations for online version (describe below)
   - Grading same as traditional
   - Rubric/Grading Method Adaptations for online version

#### Objectives Copy each one from the Course Outline of Record
4. Describe the Earth's heat budget and latitudinal energy balance.
   - Assignment same as traditional
   - Assignment adaptations for online version (describe below)
   - MOEs same as traditional
   - Method-of-Evaluation Adaptations for online version (describe below)
Objectives Copy each one from the Course Outline of Record

5. Explain the greenhouse effect and how the Earth's atmosphere is heated.

Assignment same as traditional  Assignment adaptations for online version (describe below)
☒ Original written work submitted to Turn It In
MOEs same as traditional  Method-of-Evaluation Adaptations for online version (describe below)
☒
Grading same as traditional  Rubric/Grading Method Adaptations for online version
☒

Objectives Copy each one from the Course Outline of Record

6. Describe the movement of water through the hydrologic cycle.

Assignment same as traditional  Assignment adaptations for online version (describe below)
☒ Original written work submitted to Turn It In
MOEs same as traditional  Method-of-Evaluation Adaptations for online version (describe below)
☒
Grading same as traditional  Rubric/Grading Method Adaptations for online version
☒

Objectives Copy each one from the Course Outline of Record

7. Describe the process of condensation and the role of condensation nuclei in the formation of clouds.

Assignment same as traditional  Assignment adaptations for online version (describe below)
☒ Original written work submitted to Turn It In
MOEs same as traditional  Method-of-Evaluation Adaptations for online version (describe below)
☒
Grading same as traditional  Rubric/Grading Method Adaptations for online version
☒

Objectives Copy each one from the Course Outline of Record

8. Define air pressure and explain how pressure gradient, the Coriolis effect, and friction affect wind circulation.

Assignment same as traditional  Assignment adaptations for online version (describe below)
☒ Original written work submitted to Turn It In
MOEs same as traditional  Method-of-Evaluation Adaptations for online version (describe below)
☒
Grading same as traditional  Rubric/Grading Method Adaptations for online version
☒

Objectives Copy each one from the Course Outline of Record

9. Identify stationary, cold, warm, and occluded fronts, and describe the evolving weather patterns associated with each.

Assignment same as traditional  Assignment adaptations for online version (describe below)
☒ Original written work submitted to Turn It In
MOEs same as traditional  Method-of-Evaluation Adaptations for online version (describe below)
Objectives Copy each one from the Course Outline of Record

10. Explain the difference between rain, snow, sleet, glaze, hail, and rime and describe the circumstances under which each forms.

<table>
<thead>
<tr>
<th>Assignment same as traditional</th>
<th>Assignment adaptations for online version (describe below)</th>
</tr>
</thead>
<tbody>
<tr>
<td>☒</td>
<td>Original written work submitted to Turn It In</td>
</tr>
<tr>
<td>MOEs same as traditional</td>
<td>Method-of-Evaluation Adaptations for online version (describe below)</td>
</tr>
<tr>
<td>☒</td>
<td></td>
</tr>
<tr>
<td>Grading same as traditional</td>
<td>Rubric/Grading Method Adaptations for online version</td>
</tr>
<tr>
<td>☒</td>
<td></td>
</tr>
</tbody>
</table>

Objectives Copy each one from the Course Outline of Record

11. Discuss the atmospheric conditions that produce hurricanes, thunderstorms, tornadoes and other severe storms.

<table>
<thead>
<tr>
<th>Assignment same as traditional</th>
<th>Assignment adaptations for online version (describe below)</th>
</tr>
</thead>
<tbody>
<tr>
<td>☒</td>
<td>Original written work submitted to Turn It In</td>
</tr>
<tr>
<td>MOEs same as traditional</td>
<td>Method-of-Evaluation Adaptations for online version (describe below)</td>
</tr>
<tr>
<td>☒</td>
<td></td>
</tr>
<tr>
<td>Grading same as traditional</td>
<td>Rubric/Grading Method Adaptations for online version</td>
</tr>
<tr>
<td>☒</td>
<td></td>
</tr>
</tbody>
</table>

Objectives Copy each one from the Course Outline of Record

12. Describe the occurrence and effects of El Nino and La Nina.

<table>
<thead>
<tr>
<th>Assignment same as traditional</th>
<th>Assignment adaptations for online version (describe below)</th>
</tr>
</thead>
<tbody>
<tr>
<td>☒</td>
<td>Original written work submitted to Turn It In</td>
</tr>
<tr>
<td>MOEs same as traditional</td>
<td>Method-of-Evaluation Adaptations for online version (describe below)</td>
</tr>
<tr>
<td>☒</td>
<td></td>
</tr>
<tr>
<td>Grading same as traditional</td>
<td>Rubric/Grading Method Adaptations for online version</td>
</tr>
<tr>
<td>☒</td>
<td></td>
</tr>
</tbody>
</table>

Objectives Copy each one from the Course Outline of Record

13. Identify the major primary pollutants and their sources.

<table>
<thead>
<tr>
<th>Assignment same as traditional</th>
<th>Assignment adaptations for online version (describe below)</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐</td>
<td>Required participation in graded discussion group</td>
</tr>
<tr>
<td>MOEs same as traditional</td>
<td>Method-of-Evaluation Adaptations for online version (describe below)</td>
</tr>
<tr>
<td>☐</td>
<td>Verify participation in discussion group</td>
</tr>
<tr>
<td>Grading same as traditional</td>
<td>Rubric/Grading Method Adaptations for online version</td>
</tr>
<tr>
<td>☐</td>
<td>Grade student posts based on correctness and insight</td>
</tr>
</tbody>
</table>

Accessibility Standards (from AR 6112)

The following general principles should be followed to the extent possible to ensure that distance education courses are accessible to students with documented disabilities in compliance with Section 508

- Distance education courses are designed for all students to fully participate and benefit from an equitable college experience
• Instructional materials and textbooks permit maximum opportunity for access by students with documented disabilities without the need for outside assistance (i.e. Sign-language interpreters, aids, or other forms of human assistance).
• Distance education resources provide “built-in” accommodation where possible (i.e. closed captioning or descriptive narration) and /or interface design/content layout per best practices commonly used in support of persons with disabilities
• Alternative testing format and extended test taking time are provided which address the student’s documented disability and impact on his or her academic performance.