

# CRC Geology 301: Physical Geology Lab

Instructor: [Arthur Reed](#)

Spring 2018, Tentative Schedule for 14936, 12:00pm – 2:50pm Tuesdays



**Changes to this schedule will occasionally be made...check periodically!**

| Date                 | Week Number | Lab to Read before Start of Lab Session | Topics Covered   | Supplies required by student                                   | Pre-lab assignments due at start of lab ( <a href="#">view on class website</a> )<br>Lab answers (self-graded with corrections) due at end of each lab   |
|----------------------|-------------|---|--|--|--|
| Tuesday, January 16  | 1           | Lab 1                                   | <ul style="list-style-type: none"> <li>Earth Properties</li> <li>Google Earth &amp; Moon Observation HW</li> </ul> | Lab manual, pencil, eraser, notebook, metric ruler, calculator | Lab 1 activities: 1.2; 1.3 (A only); 1.4; 1.6<br><i>(activities confirmed at start of lab!)</i>  |
| Tuesday, January 23  | 2           | Lab 2                                   | <ul style="list-style-type: none"> <li>Plate Tectonics</li> </ul>  | “  | Lab 2 Pre-lab answers due at start of lab<br>Lab 2 activities: 2.1A-C, 2.3D, 2.4A(1-5), 2.5A-D, 2.6A-B, 2.7A-C, 2.8A(1-4)C(1-2), 2.9D&F(1&2)<br><i>(activities confirmed at start of lab!)</i>   |
| Tuesday, January 30  | 3           | Lab 3                                   | <ul style="list-style-type: none"> <li>Mineral Properties</li> </ul>   | “  | Lab 3 Pre-lab answers due at start of lab<br>Lab 3 activities: 3.1 (A&B), 3.2 (A,D,E,F,G,H[1 only], I), 3.3 (B,C,D), 3.4 (8 mineral samples)<br><i>(activities confirmed at start of lab!)</i>   |
| Tuesday, February 6  | 4           | Lab 4                                   | <ul style="list-style-type: none"> <li>Rock-forming Processes (Rock Cycle)</li> </ul>                              | “  | Lab 4 Pre-lab answers due at start of lab<br>Lab 4 activities: 4.2-4.5(A & B only)<br><i>(activities confirmed at start of lab!)</i>   |
| Tuesday, February 13 | 5           | Lab 5                                   | <ul style="list-style-type: none"> <li>Igneous Rocks</li> <li>Quiz 1</li> </ul>                                    | “  | Lab 5 Pre-lab answers due at start of lab<br>Lab 5 activities: 5.1A, 5.2A, 5.3A, 5.6A, 5.7A&B, 5.8 (8 rock samples)<br><i>(activities confirmed at start of lab!)</i>                            |
| Tuesday, February 20 | 6           | Lab 6                                   | <ul style="list-style-type: none"> <li>Sedimentary Rocks</li> </ul>  | “  | Lab 6 Pre-lab answers due at start of lab<br>Lab 6 activities: 6.1A, 6.2A1-5, 6.3A1-4, 6.4A1-3, 6.5A-C, 6.6 (8 samples)<br><i>(activities confirmed at start of lab!)</i>                        |
| Tuesday, February 27 | 7           | Lab 7                                   | <ul style="list-style-type: none"> <li>Metamorphic rocks</li> </ul>  | “  | Lab 7 Pre-lab answers due at start of lab<br>Lab 7 activities: 7.1A, 7.2A-E, 7.3 (10 samples), 7.4A,B,C1-3<br><i>(activities confirmed at start of lab!)</i>                                     |
| Tuesday, March 6     | 8           | Lab 8                                   | <ul style="list-style-type: none"> <li>Geologic Time</li> </ul>  | “  | Lab 8 Pre-lab answers due at start of lab<br>Lab 8 activities: 8.1A-C, 8.2A, 8.3A-D, 8.4A-D, 8.5A, 8.6A(1,2),B(1,2), paper timeline (in class)<br><i>(activities confirmed at start of lab!)</i> |
| Tuesday, March 13    | 9           | Lab 9                                   | <ul style="list-style-type: none"> <li>Quiz 2</li> <li>Topographic Maps &amp; Aerial photos</li> </ul>             | “  | Lab 9 Pre-lab answers due at start of lab<br>Lab 9 activities: 9.1A-C, 9.2A-F, 9.3A-C, 9.4A-B, 9.5A1-3.5, 9.6A-C<br><i>(activities confirmed at start of lab!)</i>                               |
| Tuesday, March 20    | 10          | Lab 10                                  | <ul style="list-style-type: none"> <li>Geologic Structures</li> </ul>  | “  | Lab 10 Pre-lab answers due at start of lab<br>Lab 10 activities: 10.1A, 10.2A-B, 10.3A-B, 10.4A-C, 10.6A-L, 10.7A-B, 10.8<br><i>(activities confirmed at start of lab!)</i>                      |
| March 27             | 11          | No Lab ☹️                               | SPRING BREAK   |  |  |
| Tuesday, April 3     | 12          | Lab 16                                  | <ul style="list-style-type: none"> <li>Earthquakes</li> </ul>  | “  | Lab 16 Pre-lab answers due at start of lab<br>Lab 16 activities: 16.1A(1-4),B-C, 16.2A-E, 16.3A-C, 16.4A-B, 16.5A-B<br><i>(activities confirmed at start of lab!)</i>                            |

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| Tuesday,<br>April 10                      | 13 | Lab 11 | ◆ Streams, Mass Wasting, floods  | " | Lab 11 Pre-lab answers due at start of lab<br><u>Lab 11 activities:</u> 11.1A-C, 11.2A-D, 11.3A-F, 11.4A-E, 11.5A-D, 11.6A-F<br>NOTE: for 11.1 use <a href="http://nationalmap.gov/streamer/">http://nationalmap.gov/streamer/</a><br>Use Sacramento River at Sacramento<br><i>(activities confirmed at start of lab!)</i> |
| Sunday,<br>April 15                       |    |        | Last day to drop full-semester classes<br>(with a 'W')                             |   |  |
| Tuesday,<br>April 17                      | 14 | Lab 12 | ◆ Quiz 3<br>◆ Groundwater  | " | Lab 12 Pre-lab answers due at start of lab<br><u>Lab 12 activities:</u> 12.1A; 12.2A(1),B,C, D(1-3,5); 12.3A-G; 12.4A(1-9), 12.5 (percolation experiment)<br><i>(activities confirmed at start of lab!)</i>  |
| Tuesday,<br>April 24                      | 15 | Lab 13 | ◆ Glacial Processes  | " | Lab 13 Pre-lab answers due at start of lab<br><u>Lab 13 activities:</u> 13.1A-C, 13.2A-C, 13.3A-B, 13.4A-F, 13.5A-D<br><i>(activities confirmed at start of lab!)</i>  |
| Tuesday,<br>May 1                         | 16 | Lab 14 | ◆ Dryland Landforms  | " | Lab 14 Pre-lab answers due at start of lab<br><u>Lab 14 activities:</u> 14.1A-C, 14.2A-C, 14.3A-D, 14.4A-H<br><i>(activities confirmed at start of lab!)</i>   |
| Tuesday,<br>May 8                         | 17 | Lab 15 | ◆ Coastal Processes  | " | Lab 15 Pre-lab answers due at start of lab<br><u>Lab 15 activities:</u> 15.1A; 15.2A(1-2),B(1-5); 15.3A-E; 15.4A(1-4)<br><i>(activities confirmed at start of lab!)</i><br><b><u>Google Earth</u> and <u>Moon Position Exercises</u></b> due by end of day   |
| Tuesday,<br>May 15<br>12:45pm -<br>2:45pm | 18 |        | ◆ Quiz 4 (Final Exam)<br><i>(Check CRC school site to confirm final quiz time)</i> |   |  |