GPHY 112N.01: Introduction to Physical Geography Lab

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GPHY 112N
INTRODUCTION TO PHYSICAL GEOGRAPHY LAB
(1 credit)

Spring 2019

Course Information
Fridays 9:00 – 11:00 am (Stone Hall 218)

Contact Information
Morgan Anderson
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Suggested Lab Manual
GEOS: The Pearson Custom Library for Geography & Geology
Course Policies

Attendance

Attendance is encouraged but not mandatory. Attendance will be extra credit and worth one lab grade (20 points). This extra credit may be important to any of you with a grade that straddles, for example, a C and a B. I will allow up to two unexcused absences. **If you receive more than 2 unexcused absences, you will not receive extra credit for attendance.** If you know that you are going to miss a class for an excused reason, please let me know in advance or ASAP. You must provide proper documentation for the absence. Attendance will be taken each week on a sign-in sheet. It is important that you attend class to obtain valuable information to help you pass the course.

Class Procedures

Every week, you will complete a lab exercise. Following the instructions is crucial to completing your lab correctly. At the start of each lab, I will give a brief lecture relevant to the lab and/or complete some example problems.

Grading

Your final grade will consist of points from your lab exercises and the extra-credit attendance (if you receive the extra credit). There are no quizzes, tests, or final exams in this course. Each lab is worth 20 points, and there are 12 labs. I will drop your lowest grade, so the course is worth 220 points plus the attendance extra credit. The lab exercises are due at the **beginning** (9:00 am!) of the following lab session. For every day that a lab assignment is late, 10% will be deducted from the total points earned. Anything turned in after 3:00 pm will be considered one day late. I encourage you to complete as much of the labs as possible during lab, as this will be the most efficient use of your time.

Weekly labs will generally be based on lectures covered in previous or current weeks. For example, the first lab, for the week of 1/11-1/18, will cover maps and cartography and earth locations and time, but the tenth lab, for the week of 4/16-4/23, will cover glaciers. **This is not a solid schedule, and it is subject to change.**

Course Schedule

<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1/11/19</td>
<td>Review Syllabus</td>
</tr>
<tr>
<td>2</td>
<td>1/18/19</td>
<td>Coordinate Systems, Map Projections, Scale and Time</td>
</tr>
<tr>
<td>3</td>
<td>1/25/19</td>
<td>Map Projections, Map Reading, &amp; Interpretation</td>
</tr>
<tr>
<td>4</td>
<td>2/1/19</td>
<td>Atmospheric Humidity, Stability &amp; Adiabatic Processes</td>
</tr>
<tr>
<td>5</td>
<td>2/8/19</td>
<td>Temperature Concepts</td>
</tr>
<tr>
<td>6</td>
<td>2/15/19</td>
<td>Weather</td>
</tr>
<tr>
<td>7</td>
<td>2/22/19</td>
<td>Global Climate Systems and Climate Change</td>
</tr>
<tr>
<td>8</td>
<td>3/1/19</td>
<td>Plate Tectonics, Global Patterns &amp; Volcanism</td>
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</table>
### Course Schedule

<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>3/8/19</td>
<td>Recurrence Intervals for Natural Events &amp; Fluvial Geomorphology</td>
</tr>
<tr>
<td>10</td>
<td>3/15/19</td>
<td>Mapping Physical Geography</td>
</tr>
<tr>
<td>11</td>
<td>3/22/19</td>
<td>Topographic Analysis: Coastal and Arid Geomorphology</td>
</tr>
<tr>
<td>12</td>
<td>3/29/19</td>
<td>Spring break - No Class</td>
</tr>
<tr>
<td>13</td>
<td>4/5/19</td>
<td>Glacial Geomorphology</td>
</tr>
<tr>
<td>14</td>
<td>4/12/19</td>
<td>WILD CARD!</td>
</tr>
<tr>
<td>15</td>
<td>4/19/19</td>
<td>WILD CARD!</td>
</tr>
<tr>
<td>16</td>
<td>4/26/19</td>
<td>Last day of class!</td>
</tr>
</tbody>
</table>

All exercises, as well as the final grade, are based on the scale below.

- **A** = 95 – 100%
- **A-** = 90 – 94.99%
- **B+** = 87 – 89.99%
- **B** = 83 – 86.99%
- **A-** = 80 – 82.99%
- **C+** = 77 – 79.99%
- **C** = 73 – 76.99%
- **C-** = 70 – 72.99%
- **D** = 60 – 69.99%
- **F** = 59.99% and below

### Other Policies

Be on time! I expect everyone to be on time for class. If for some reason, you are late, please be quiet and non-disruptive. It is expected that you will remain in class during the allotted time until your weekly exercise is completed. If you have a special reason for leaving early, please contact the instructor before class begins, and exit quietly.

### Additional Information


Carefully review the sections on plagiarism (also consult the UM Catalog). Cheating and plagiarism are not tolerated and will be dealt with as outlined in the Code.

In terms of scheduling and assignments, this syllabus may slightly change throughout the semester.