Lecturer: Dr. Stephen F. Wright  
Office: Room 208 Delehanty, Phone: 656-4479; Stephen.Wright@uvm.edu  
Office Hours: MWF ~9:30 to 10:30; F 1:30 to 3. I also have a short time after lab on Mondays and Wednesdays. If none of these times work for you, please see me and we'll arrange a time outside these office hours. I am generally out in the field or working from home on most Tuesdays and Thursdays.

Teaching Assistant:  
Office: Braden Rosenberg; Room 314 Delehanty; Braden.Rosenberg@uvm.edu  
Office Hours:


Outside Readings: Some of the reading material for this course will come from journal articles. These articles will either be distributed during class or posted on the class Blackboard site.

Course Objectives: My primary objective in this course is to introduce you to the geologic materials and processes that affect our lives and that are affected by things we do. Specifically, I want you to be able to understand how geologic processes work in our local environment, how those processes affect people, and how people affect those geologic processes. We will spend most of our time working with the materials that are relatively close to Earth's surface and the processes that operate over time scales that are geologically short: minutes, days, ... hundreds and thousands of years as opposed to millions or billions of years. For the most part, we will study common as opposed to exotic topics—topics with particular application to people living in the Northeast. My hope is that by the end of this class you will know enough to be able to understand the workings of, critically evaluate, and write about geologic aspects of many of the environmental problems you will encounter, whether it be your own septic system, your Town's landfill, or our national policy towards climate change.

During this class you will have the opportunity to learn many ancillary skills frequently used in geology. These include reading topographic and geologic maps, drawing interpretive cross-sections, describing various geologic materials, identifying common geologic landforms and understanding how they form, measuring and recording a variety of quantitative data, plotting and contouring these data, and carefully distinguishing your observations from your interpretations.

For those of you wishing to take additional geology courses, this course is equivalent to Geology 1 as a prerequisite that may be required for 100-level courses.

Grading: There will be two one-hour midterm exams, one final exam, lab reports, written summaries of essays from your books, homework assignments, and several quizzes. Quizzes will be short (~5 min.) and will include material covered through the previous lecture. You can expect that there will be questions from the readings on these quizzes. Your low quiz score will be dropped. The labs are an integral part of this class and material presented during the lab will appear on quizzes and exams. I accept late homework, but you will lose credit.

Your final grade will be based on the above criteria weighted *approximately* as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Weightage</th>
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<tbody>
<tr>
<td>Midterms (2)</td>
<td>30%</td>
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<tr>
<td>Final</td>
<td>18%</td>
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<tr>
<td>Lab work</td>
<td>30%</td>
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<tr>
<td>Quizzes</td>
<td>8%</td>
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<tr>
<td>Homework</td>
<td>14%</td>
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8/24/14

SFW
LABS & FIELD TRIPS

Geologic knowledge is primarily gathered from field investigations, oftentimes supplemented by analytical work in the laboratory. The field trips and labs will develop your skills of observation, description, and interpretation of geologic phenomena accessible in the nearby area.

Dress appropriately!!

Be prepared for cold weather, wind, rain, poison ivy, and rough, slippery ground.

Clothing I would suggest includes the following:
- Sturdy boots or sneakers
- A hat for sun and bugs if they bother you
- A wool hat for cool days
- Gloves
- Shorts are OK. Some areas are brushy and if you don't like scratches wear long pants.
- Raincoat/Windbreaker/Umbrella
- Warm shirt/sweater/parka for cool days

(Keep all of the above in a knapsack so you will always have it along.)

Essential equipment for labs and field trips are:
- Hard cover Notebook and/or a covered Clipboard for carrying maps and notes
- Pencils and erasers (You will be making lots of sketches; pens are disappointingly permanent.)
- A couple of colored pencils are very useful for coloring sketches.

Also bring:
- Food (if you're inclined to get hungry)
- Coffee (if you're inclined to get sleepy)
- Water (if you're inclined to get thirsty)

A note about bathrooms:
Most of the field trips will be to places where there aren't any bathrooms. On the other hand, there will almost always be some woods nearby. As the scouts say: “Be prepared.” Let someone know if you’re going to slip away for a few minutes to be sure we won’t forget you.

Lab Starting Time:
We will try to leave promptly. I don't mind waiting a few minutes, but it is trying on the rest of us to wait longer than that. Please show up on time. If you intend to buy a cup of coffee or a bagel, visit the bathroom, or lock up your bike, please give yourself enough time before the lab starts. If you show up late and we're gone, someone in the office or the building may be able to help you find us, but don't count on it. NOTE: It is not possible to make up field trips. Please make every effort to attend all field trips.

Field Trip/Lab Reports
Most field trips and labs require that you submit a completed lab report that may include measurements, descriptions, sketches, maps, cross-sections, etc.

Field trip and lab reports are due at the beginning of the class following your lab, i.e. Wednesday class for the Monday lab, Friday class for the Wednesday lab, and Monday class for the Friday lab.
Late labs will be accepted under the following policy:

- 1 day late 10% off
- 2 days late 20% off
- 3 days late 30% off
- 4–7 days late 40% off

Labs more than 1 week late will not be accepted for grading.

8/24/14 S.F.Wright