

DATE	TOPICS	HANDOUTS/INS & READING
<i>Week 1</i>		
9/12	Introduction to course • Nature of the course; Vermont geologic map	Syllabus, Comments on nature of course
9/14	Introduction to field study -- leave at 11:00 am • Monkton quartzite at Shelburne Bay; Iberville Shale at Charlotte	319 - double columnar section 197 - lithologic symbols 716 - describing rocks
<i>Week 2</i>		
9/19	Origin and description of sedimentary rocks • Preview Crown Point problem	Shelburne Bay hand-in 129 Minerals booklet Read p. 1-9 and about calcite, quartz, dolomite gypsum, halite 181 Rocks booklet Read p. 1-10 749/1-2 Fossils 726 Geologic report writing in GL201
9/21	Crown Point field problem -- leave at 11:00 am	730 - instructions; 750 - air photo map; 202 - form for measured section; 749/1-2 - fossils; 753 - Crown Point report
<i>Week 3</i>		
9/26	Sedimentary Rocks/ Sedimentation • Preview Monkton field problem • Environments of deposition	315/1 - settling velocity
9/28	Monkton Quartzite field problem -- leave at 11:00 am	Crown Point report due 729 - instructions; 443 - map of Monkton 444 - Snake Mountain section; 445 - key for columnar sections; 228 - form for describing layers in detail
<i>Week 4</i>		
10/3	Environments of Deposition • Preview Taconic field problem	142/1-2 - Dipping beds, facing; 415/2-6 - strike, dip, faults
10/5	Taconic field problem -- leave at 11:00 am	Monkton field report due 731 - instructions; 571/7 - geologic map 365 - Section 3 columnar section form 571/8 - outcrops on river
<i>Week 5</i>		
10/10	Metamorphic rocks Styles of Deformation • Preview Lincoln field problem	Minerals booklet Read about chlorite, actinolite, albite, epidote Rocks booklet Read p. 10-12
10/12	Lincoln field problem	Taconic field report due 724, 725 - Lincoln field trip 736 - Crash Bridge map 737 - Geologic map of West Lincoln stratigraphic column by Tauvers

DATE	TOPICS	HANDOUTS/INS & READING
<i>Week 6</i>		
10/17	Metamorphism <ul style="list-style-type: none"> • Preview metamorphic field problem • Discussion of previous field problem 	
10/19	Metamorphic field problem -- leave at 11:00 am	<i>Lincoln report due</i> 530 US 2 Roadcut
<i>Week 7</i>		
10/24	Igneous rocks <ul style="list-style-type: none"> • Preview Plymouth granite trip 	Rocks booklet : p. 13 - end Minerals booklet: Read about biotite, feldspar, muscovite, epidote, quartz
10/26	Plymouth granite field problem -- leave at 11:00 am	<i>Metamorphic field report due</i> 754 instructions, base map
<i>Week 8</i>		
10/31	Modern rifting environments	
11/2	Lone Rock Point -- leave at 11:00 am	<i>Plymouth granite report due</i>
<i>Week 9</i>		
11/7	Ocean floor environments/ophiolites	
11/9	Modern subduction environments The Final Paper LAB: geologic maps and cross-sections	<i>Re-writes due</i>
<i>Week 10</i>		
11/14	Student-led Class	
11/16	Student-led Class	
<i>Week 11</i>		
11/21	No Class – Friday class schedule	
11/23	No Class -- Thanksgiving recess	
<i>Week 12</i>		
11/28	Vermont geology/age dates	703/1-4, radiometric ages 512/12, tectonic map of Vermont (by BB)
11/30	Plate tectonics and Vermont geology	
<i>Week 13</i>		
12/5	The Final Paper	
12/7	Wrap-up session	<i>Final Paper, labs due</i>