

Geology 454 - Field Geology - Summer 2019

Date	Day	Project
Sunday, June 16, 2019	0	Group assembly in Billings, MT (~3pm), drive to Red Lodge, MT
Monday, June 17, 2019	1	Class meeting, basic orientation
Tuesday, June 18, 2019	2	Mississippian to Creaceous stratigraphy at Clarks Fork Canyon
Wednesday, June 19, 2019	3	PreCambrian to Mississippian stratigraphy at South Fork Grove
Thursday, June 20, 2019	4	Laramide tectonics of Rattlesnake Mtn, Bighorn Mtns, and Bighorn Basin
Friday, June 21, 2019	5	Gypsum Creek, geologic mapping
Saturday, June 22, 2019	6	Glacial Geology/geomorphology East Rosebud Valley
Sunday, June 23, 2019	7	Day off in Red Lodge, MT
Monday, June 24, 2019	8	Elk Basin, geologic mapping
Tuesday, June 25, 2019	9	Elk Basin, geologic mapping
Wednesday, June 26, 2019	10	Elk Basin, geologic mapping
Thursday, June 27, 2019	11	Little Bear Creek, geologic mapping
Friday, June 28, 2019	12	Stillwater Igneous Complex, stratigraphy
Saturday, June 29, 2019	13	Stillwater Pt-Pd mine
Sunday, June 30, 2019	14	Day off in Red Lodge, MT
Monday, July 1, 2019	15	Beartooth front, geologic mapping
Tuesday, July 2, 2019	16	Beartooth front, geologic mapping
Wednesday, July 3, 2019	17	Beartooth front, geologic mapping
Thursday, July 4, 2019	18	National Holiday - Day off in Red Lodge
Friday, July 5, 2019	19	Beartooth front, geologic mapping
Saturday, July 6, 2019	20	Beartooth front, map and cross section drafting, office day
Sunday, July 7, 2019	21	Day off in Red Lodge, MT
Monday, July 8, 2019	22	Yellowstone NP, Absaroka and Yellowstone volcanics, geothermal features
Tuesday, July 9, 2019	23	Yellowstone NP, Absaroka and Yellowstone volcanics, geothermal features
Wednesday, July 10, 2019	24	Hebgen Lake earthquake, Madison Canyon landslide, neotectonics
Thursday, July 11, 2019	25	Grand Teton NP, extensional tectonics
Friday, July 12, 2019	26	Day off in Grand Teton NP
Saturday, July 13, 2019	27	Gros Ventre landslide, Craters of the Moon NM geology
Sunday, July 14, 2019	28	Crater of the Moon NM geology; drive to Dillon, MT
Monday, July 15, 2019	29	Frying Pan Gulch, geologic mapping
Tuesday, July 16, 2019	30	Frying Pan Gulch, geologic mapping
Wednesday, July 17, 2019	31	Yellowstone Talc Mine visit and Ruby Range geology
Thursday, July 18, 2019	32	Butte mineral museum, Berekely Pit
Friday, July 19, 2019	33	Day off in Dillon, MT
Saturday, July 20, 2019	34	Block Mtn, geologic mapping
Sunday, July 21, 2019	35	Block Mtn, geologic mapping
Monday, July 22, 2019	36	Block Mtn, geologic mapping
Tuesday, July 23, 2019	37	Block Mtn, geologic mapping
Wednesday, July 24, 2019	38	Bitterroot metamorphic Core Complex/Shear zone
Thursday, July 25, 2019	39	Glacier NP, Belt supergroup geology, Lewis thrust
Friday, July 26, 2019	40	Day off in Glacier NP
Saturday, July 27, 2019	41	Glacier NP, Belt supergroup geology; Sun River Canyon
Sunday, July 28, 2019	42	travel from Sun River Canyon to Billings/End of course
		camping