Math 20E Winter 2019 Schedule
(tentative, subject to change)

M : 1/7 Introduction, 5.1, 5.2 The double integral
W 1/9: 5.3 The double integral over more general regions and 5.4 Changing the order of integration
F 1/11: 5.5 The triple integral
M 1/14: 6.1 The geometry of maps from $\mathbb{R}^2$ to $\mathbb{R}^2$
W 1/16: 1.4 Cylindrical and spherical coordinates
F 1/18: 6.2 The change of variables theorem
M 1/21: Martin Luther King Day, no lecture
W 1/23: 6.2 The change of variables theorem
F 1/25: Review/Overflow
M 1/28: Midterm 1
W 1/30: 4.3 Vector fields
   F 2/1: 7.1 The path integral
M 2/4: 7.2 Line integrals
W 2/6: 7.3 Parametrized surfaces
   F 2/8: 7.3 Parametrized surfaces and 7.4 Area of a surface
M 2/11: 7.4 Area of a surface
W 2/13: 7.5 Integrals of scalar functions over surfaces
F 2/15: 7.5 Integrals of scalar functions over surfaces and 7.6 Surface integrals of vector fields
M 2/18: Presidents Day, no lecture
W 2/20: 7.6 Surface integrals of vector fields
F 2/22: Review/Overflow
M 2/25: Midterm 2
W 2/27: 8.1 Green’s theorem
   F 3/1: 8.1 Green’s theorem
M 3/4: 4.4 Curl and 8.2 Stokes’ theorem
W 3/6: 8.2 Stokes’ theorem
   F 3/8: 4.4 Divergence and 8.4 Gauss’ theorem
M 3/11: 8.4 Gauss’ theorem
W 3/13: 8.3 Conservative vector fields
   F 3/15: Review/Overflow
F 3/22: Final 3:00 - 5:59pm location to be determined