

MATH 126 C: Calculus III (summer, 2018)
Tentative Course Calendar

- **Week 1: 06/18-06/22**
 - M intro + Sec. 12.1
 - W Sec. 12.2: vectors
 - F Sec. 12.3: dot products, projections.

- **Week 2: 06/25-06/29**
 - M Sec. 12.4: dot and cross products,
 - W Sec. 12.5: lines and planes in space
 - F Sec. 12.6: cylinders and quadric surfaces

- **Week 3: 07/02-07/06**
 - M Sec. 13.1: vector functions and curves
 - W No class
 - F Sec. 13.2: derivatives and integrals of vector functions

- **Week 4: 07/09-07/13**
 - M Sec. 13.3: curvature
 - W Midterm 1 review
 - Th Midterm 1
 - F Sec. 13.4: velocity, speed, acceleration.

- **Week 5: 07/16-07/20**
 - M Sec. 14.1: multi-variable functions.
 - W Sec. 14.3, 14.4: partial derivatives, tangent planes
 - F Sec. 14.4, 14.7: differentials, optimization

- **Week 6: 07/23-07/27**
 - M Sec. 14.7: optimization.
 - W Sec. 15.1, 15.2: double integrals
 - F Sec. 15.2, 10.3 : double integrals, polar coordinates

- **Week 7: 07/30-08/03**
 - M Sec. 10.3, 15.3: double integral in polar coordinates
 - W Midterm 2 review
 - Th Midterm 2
 - F Sec. 15.4: mass and center of mass

- **Week 8: 08/06-08/10**
 - M Taylor notes Sec. 1
 - W Taylor notes Sec. 2, 3
 - F Taylor notes Sec. 3, 4

- **Week 9: 08/13-08/17**
 - M Taylor notes Sec. 5
 - W Final review
 - F Final exam