Calc3 Chapter 14 Calendar, Mr. Felling, 2024-2025

Date: **Schedule:**   **Homework:**

WEEK 7
M 9/2   Holiday (Labor Day)

T 9/3   14.1 multivariable functions, level curves

W 9/4 14.2 limits and continuity of multivariable functions, sinc function, special trig limits,
              sombrero function, path dependent limits in 3D

Th 9/5   14.3 partial derivatives of multivariable functions

F 9/6   14.4 tangent planes and linear approximation, in 2D, 3D, differentials
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WEEK 8
M 9/9   Review/catch up day

T 9/10   14.5 Chain Rule and Implicit Differentiation

W 9/11   14.1-14.5 Review

Th 9/12   14.1-14.5 Review

F 9/13   ** **Ch14.1-14.5 test** **

WEEK 9
M 9/16 << ACT Horizon Practice Test >>

T 9/17 14.6 Directional Derivatives, Gradient Vector

W 9/18 14.7 Min/Max without constraints, Hessian determinant, local vs. absolute extrema
announce **Ch14.6-14.8 is a group test (open notes, you can work together on it if you like)
– not collecting HW, no review provided.**

Th 9/19   14.7 Min/Max with boundary constraints

F 9/20   14.8 Lagrange multipliers (concept, examples)

WEEK 10
M 9/23   14.6-14.8 group test work time

T 9/24   14.6-14.8 group test work time

W 9/25   14.6-14.8 group test work time

Th 9/26   14.6-14.8 group test work time

F 9/27   14.6-14.8 group test work time

FALL BREAK