MA104 AY09-2 SPECIAL CALENDAR

Bl	Wk	Mon	Tue	Wed	Thu	Fri
Block I: Limits, Continuity, & Single Variable Diff.	1	5-Jan No Class (Reorganization Week)	6-Jan No Class (Reorganization Week)	7-Jan No Class (Reorganization Week)	L1 8-Jan **Intro to Differential Calculus** *Sec. 2.1 (Review)*	L2 9-Jan **Limit of a Function** *Sec. 2.2 (Review)* HW0 Admin [5]
	2	L3 12-Jan **Continuity** *Sec. 2.5 (Review)*	L4 13-Jan **Deriv. & Rates of Change** *Sec. 2.7 (Review)*	L5 14-Jan **Deriv. as a Function** *Sec. 2.8*	L6 15-Jan **D. of Power, Exp., & Log Fns** *Sec. 3.1*	L7 16-Jan **Product & Quotient Rules** *Sec. 3.2* Q1 Limits/Cont./Def. [15]
	3	L8 19-Jan **Deriv. of Trig Functions** *Sec. 3.3*	L9 20-Jan **Chain Rule** *Sec. 3.4* *Issue Derivative HW*	21-Jan No Class (Available for AI)	L10 22-Jan **Derivative WRIT [100]**	L11 23-Jan **Max & Min Values of Fns** *Sec. 4.1*
	4	L12 26-Jan **Deriv. & Shapes of Curves** *Sec. 4.3*	L13 27-Jan **Optimization 1** *Sec. 4.7 & Student Notes*	28-Jan No Class (Available for AI)	L14 29-Jan **Optimization 2**	L15 30-Jan **Optimization 3** Q2 Optimization [20]
	5	L16 2-Feb **PSL 1**	L17 3-Feb **Implicit Differentiation** *Sec. 3.5*	4-Feb No Class (Available for AI)	L18 5-Feb **Related Rates 1** *Sec. 3.9 & Student Notes* *Issue Project Part 1*	L19 6-Feb **Related Rates 2** HW1 Mathematica [25]
	6	L20 9-Feb **Mathematical Dimensions** *Sec. 12.1* Q3 Related Rates [25]	L21 10-Feb **PSL 2**	L22 11-Feb **Project Research Day**	L23 12-Feb **WPR 1 [250]** *(Dean's Hour)* {~21% Complete}	13-Feb No Class (Available for AI)
Block II: Vector Functions & Geometry of Space	7	16-Feb President's Day No Class (Available for AI)	L24 17-Feb **WPR 1 AAR** PP1 Participation Pts [10]	18-Feb IT Lab No Class (Available for AI)	19-Feb IT Lab No Class (Available for AI)	L25 20-Feb **Parametric Equations 1** *Sec. 10.1 (p.621-4)*
	8	L26 23-Feb **P.E.2 Collision & Intersection** *Student Notes* **Project Part 1 Due[50]**	L27 24-Feb **Intro to Vectors** *Sec. 12.2*	L28 25-Feb **Advanced Vector Operations**	L29 26-Feb **Dot Product** *Sec. 12.3(skip Dir. Angles...)* Q4 Parametric Eqs [15]	L30 27-Feb **CME Bridge Building Class** *{10 BPs}*
	9	L31 2-Mar **Cross Product** *Sec. 12.4(P.786,788-9)*	L32 3-Mar **Equations of Lines in Space** *Sec. 12.5(P.794-7)*	4-Mar IT Lab No Class (Available for AI)	5-Mar IT Lab No Class (Available for AI)	L33 6-Mar **PSL 3** HW2 Inter./Collision [30]
	10	L34 9-Mar **Eqs of Planes in Space** *Sec. 12.5(P.797-801)* Q5 Vectors [20]	L35 10-Mar **PSL 4**	11-Mar No Class (Available for AI)	L36 12-Mar **Deriv. of Vector Functions** *Sec. 13.1-13.2*	L37 13-Mar **Projectile Motion 1** *Sec. 13.4(P.838-42)*
	11	16-Mar Spring Break	17-Mar Spring Break	18-Mar Spring Break	19-Mar Spring Break	20-Mar Spring Break
	12	L38 23-Mar **Technology Lab** *Issue Project Part 2*	L39 24-Mar **Projectile Motion 2** Q6 Proj. Motion [25]	L40 25-Mar **PSL 5**	L41 26-Mar **WPR 2 [200]** *(Dean's Hour)* {~40% Complete}	27-Mar No Class (Available for AI)
Block III: Problem Solving w/ Partial Derivatives	13	L42 30-Mar **WPR 2 AAR**	L43 31-Mar **Functions of Several Var.** *Sec. 14.1*	L44 1-Apr **Partial Derivatives 1** *Sec. 14.3(P.878-886)*	L45 2-Apr **Partial Derivatives 2**	L46 3-Apr **Directional Derivatives** *Sec. 14.6(p.910-913)* Q7 Partial Der. [15]
	14	L47 6-Apr **Gradient**	L48 7-Apr **PSL 6**	8-Apr IT Lab No Class (Available for AI)	9-Apr IT Lab No Class (Available for AI)	L49 10-Apr **Extrema of 2 Variables Fns 1** *Sec. 14.7(P.922-928)* Q8 Direc. D. & Grad. [20]
	15	L50 13-Apr **Extrema of 2 Variables Fns 2** *Sec. 14.7(P.928-30)*	L51 14-Apr **Multivariate Optimization 1** *Sec. 14.7 & Student Notes*	15-Apr No Class (Available for AI)	L52 16-Apr **Multivariate Optimization 2** HW3 Part.Der./Extrema [35]	L53 17-Apr **Project Day**
	16	L54 20-Apr **PSL 7**	L55 21-Apr **Multivariate Optimization 3** Q9 MV Optimization [25]	L56 22-Apr **PSL 8**	L57 23-Apr **WPR 3 [250]** *(Dean's Hour)* {~56% Complete}	24-Apr No Class (Available for AI)
	17	L58 27-Apr **WPR 3 AAR** **Project Part 2 Report Due[150]** **Project Quiz [50]**	28-Apr IT Lab No Class (Available for AI)	29-Apr IT Lab No Class (Available for AI)	30-Apr Projects/Reading Day No Class (Available for AI)	L59 1-May **Geometric Visualization** *Sec. 14.8(934-8)* PP2 Participation Pts [15]
	18	L60 4-May **Project Briefs** **(In Class)**	L61 5-May **Project Briefs [50]** **(In Class)**	L62 6-May **Estimatation from Data/Fns** (MA205 Link) *Sec. 5.1*	L63 7-May **Refining Estimates** (MA205 Link) *Sec. 5.2*	L64 8-May **Review** {70% Complete}