Sheet1	
--------	--

Ma	th1161 01= Ma	th 1161 02= R	ogular FFH F	naineerina Ma	athomatics Se	mester I · 5 C	redit hours (/	L Autumn semes	ter)	
IVIC										
IEXTDOOK SECTIONS ARE FROM J. STEWART:										
	CA	LCULUS: Ear	ly Transcend	entals, 6E						
	Lecture Days		Section#	# of pages		Subject				
Week 1	3		2.1	5	i	The Tangent a	and Velocity Pr	oblems		
			2.2	9		The Limit of a	Function			
			2.3	7		Calculating Li	mits Using the	LimitLaws		
			2.0	,		Galoalating El		Einin Eawo		
Week 2	2		2.4	0		Drasias Dafini	ition of a limit			
vveek 2	3		2.4	0		Precise Denni				
			2.5	8		Continuity				
			2.6	11		Limits at Infini	ity; Horizontal A	Asymptodes		
			2.7	7		Tangents, Velocities, and Other Rates of Change				
Week 3	3		2.8	8	i	The Derivative as a Function				
			3.1	8		Derivatives of	Polynomials a	nd of Exponen	tials	
			3.2	4		The Product a	and Quotient R	ules		
			3.3	5		Derivatives of	Trigonometric	Functions		
			0.0			Donraaroo or				
Wook 4	3		3.4	5		The Chain Bu				
WEEK 4	- 3		3.4	5			ntiation			<u> </u>
	-		3.5	- 6						<u> </u>
			3.6	5		Derivatives of	iogarithmic fur	ICLIONS		<u> </u>
			3.7	9		Rates of chan	ige in the scien	ces		
						_				
Week 5	3					Review				
						Midterm I				
			3.8	6		Exponential g	rowth and deca	ay		
			3.9	4		Related rates				
Week 6	3		3 10	5		l inear Annrox	imations and D)ifferentials		
TTOOK 0			3 11	5		Hyperbolic Eu	Inctions			
			1 1	6		Maximum and	Minimum Valu	100		
			4.1	5		The Meen Vel	ue Theorem	163		
			4.2	5		The Mean val				
VA/			4.0	0		Lieux Devicentia		hans of a Ora	- le	
vveek 7	3		4.3	8		How Derivativ	es Affect the S	nape of a Grap	n	
			4.4	6		Indeterminate	Forms and L'F	lospital's Rule		
			4.5	7		Summary of C	Curve Sketching	g		
			4.6	5		Graphing with	Calculus and	Calculators		
Week 8	3		4.7	6	i	Optimization F	Problems			
			4.9	5	i	Antiderivative	s			
						Midterm II				
			51	9		Areas and Dis	stances			
Week 9	3		5.2	10		The Definite I	ntegral			
WEEK 5	5		5.2	10		The Dennite II	ntal Theorem (
			5.5	5		Indefinite Inter	arel and the Ma	t Change The	orom	
			5.4	0		Indefinite Integral and the Net Change Theorem				
						T I O I I I I				
Week10	3		5.5	6		The Substituti	on Rule			
			6.1	5		Area between	Curves			
			6.2	8		Volumes				
Week 11	3		6.3	4		Volumes by C	ylindrical Shell	s		
			6.4	3		Work				
			6.5	2		Average Value	e of a Function			
			7 1	5	i i	Integration by	Parts			<u> </u>
	1		72	0 A		Trigonometric	Integrals			
			1.2	0		gonometric				
Week 12	0					Poviow.				
VVCCK IZ	3					Midtorm				<u> </u>
				-		Trigono	Cub atit time			<u> </u>
			7.3	6		rigonometric	SUDSTITUTIONS			
Week 13	3		7.4	8		Integration of	Rational Funct	ion		
			7.5	5		Strategy for In	ntegration			
			7.8	8		Improper Integ	grals			
Week 14	2		8.1	5		Arc Length				
			8.2	5	i	Area of a surfa	ace of Revoluti	on		
				-						
Total # of Days = 41days=13 7 weeks										
	Total # of	nages -		202	nages		+			<u> </u>
Avoraga # -	f pages par las	turo day -		7 447260404	pages					<u> </u>
Average # 0	i payes per leo	uie uay -		1.441300421	payes					<u> </u>
i ne above sy	nabus correspo	mas to Math 1	5 (+ Math 152			1			1	