Week	Lecture	Date					Topic
1	1	11-Jan					Identification, Classification, Terminology
	2	13-Jan					Diffusion
2		16-Jan					No Class MLK day
		18-Jan					Sep Vars
		20-Jan					BCs + NH transform
3		23-Jan					Sturm Liouville
		25-Jan					Eigenfunction Expansion
		27-Jan					Integral Transforms
4		30-Jan	Project (Heat Diffusion)				Fourier
		1-Feb					Laplace Transforms
		3-Feb				Exam 1	
5		6-Feb					Duhamel & Convection
		8-Feb					1D Wave Equ
		10-Feb					Wave Equations
6		13-Feb					Wave Propagation
		15-Feb					D'Alembert + Wave BCs
		17-Feb					String standing waves + Beams
7		20-Feb					Dimensionless + Classification
		22-Feb					Wave in 2D and 3D
		24-Feb	Project Beam				FFT + Superposition
8		27-Feb					Chracteristics
		1-Mar					Conservation Equations
		3-Mar				Exam 2	
9		6-Mar					Systems of PDEs
		8-Mar					Drumhead
		10-Mar					Elliptic + Nature of BVP
10		13-Mar					spring break
		15-Mar					spring break
		17-Mar					spring break
11		20-Mar					Poisson Integral Formula
		22-Mar					Monte Carlo L42
		24-Mar					Annulus
12		27-Mar					Green's F FD check
		29-Mar	Project (Monte Carlo)				Non-linear analysis (null-clines, Lyaponov, Poinca
		31-Mar					Numerical Solutions L37+L40 Explicit / Implicit
13		3-Apr					Aerodynamics Applications
		5-Apr				Exam 3	
		7-Apr					No class, Honors Day
14		10-Apr					Calc of Variations
		12-Apr					Variational methods PDE (Ritz)
		14-Apr					Perturbation Methods
15		17-Apr					No class
		19-Apr					Conformal Mapping
		21-Apr	Project (Ritz Method)				Wave and Group Speeds, Advection-Diffusion
16		24-Apr					
		26-Apr					
		28-Apr					Review
		Final Exam Thursday 4 May 2016 (11:30-2:00)					