

PDEs - CLASS SCHEDULE

DATE	DAY	TOPIC	ASSIGNED	DUE
09/03/24	Tuesday	Introduction to PDEs	READ F 1-3 REVIEW E&P Ch 3 HW - Lesson 1 + ODEs Review	
09/05/24	Thursday	The Heat Equation	READ F 5 HW - Lesson 2,3 + Additional	HW 1 (due Sunday 11:59pm)
09/10/24	Tuesday	Eigenvalues Problems and Separation of Variables	READ F 6 HW - Lesson 5 + Additional	
09/12/24	Thursday	Transforming Non-Homogeneous Boundary Conditions	READ F 7 HW - Lesson 6 + Additional	HW 2 (due Sunday 11:59pm)
09/17/24		No Class	No HW	
09/19/24		No Class	No HW	
09/24/24	Tuesday	Separation of Variables more Complicated examples	READ F 8 HW - Lesson 7	
09/26/24	Thursday	Transforming Harder Problems into Easier Ones	HW - Lesson 8	HW 3 (due Sunday 11:59pm)
10/01/24	Tuesday	Separation of Variables more examples	REVIEW F 5-8 READ Online material Laplace's Equation HW - Additional	
10/03/24	Thursday	Laplace's Equation	READ F 9 Get Caught up on Past HW!	Quiz1 - in class
10/08/24	Tuesday	FALL BREAK	FALL BREAK	FALL BREAK
10/10/24	Thursday	Eigenfunction Expansions	HW - Lesson 9	HW 4 (due Sunday 11:59pm)
10/15/24	Tuesday	More Practice with Eigenfunction Expansions	READ F 10 HW - Additional	
10/17/24	Thursday	Sine and Cosine Transforms	READ F 11-12 HW - Lesson 10 + Additional	HW 5 (due Sunday 11:59pm)
10/22/24	Tuesday	Fourier Transform	READ F 13 HW - Lesson 11 (1-3) + Lesson 12	

10/24/24	Thursday	Laplace Transform	READ F 14 HW - Lesson 13 (2-4) + Additional	HW 6 (due Sunday 11:59pm)
10/29/24	Tuesday	Convection Terms change of coordinates	READ F 16-17 HW - Lesson 15	
10/31/24	Thursday	Review of Transforms	HW - Additional Practice	HW 7 (due Sunday 11:59pm)
11/05/24	Tuesday	Extra - Duhamels Principle (if time)	Get Caught up on Past HW!	Quiz 2 - in class
11/07/24	Thursday	The Wave Equation and D'Alembert Solution	READ F 19-20 HW - Lesson 17 (1,3,4)	HW 8 (due Sunday 11:59pm)
11/12/24	Tuesday	Boundary Conditions for the Wave Equation	READ F 21 HW - Lesson 19 (1,2) + Lesson 20 (1,2,6,7)	
11/14/24	Thursday	Dimensionless problems and Canonical Forms	HW - Lesson 22 (1,2,5) + Lesson 23 (1-3)	HW 9 (due Sunday 11:59pm)
11/19/24	Tuesday	More Practice Change of Variables and Canonical Forms	READ TBA HW Lesson 23 (4-6)	
11/21/24	Thursday	FREE DAY - Material TBD		HW 10 - (due Sunday 11:59pm)
11/26/24	Tuesday	THANKSGIVING	THANKSGIVING	THANKSGIVING
11/28/24	Thursday	THANKSGIVING	THANKSGIVING	THANKSGIVING
12/03/24	Tuesday	FREE DAY - Material TBD	HAND OUT FINAL EXAMS Get Caught up on Past HW!	Quiz 3 - in class
12/05/24	Thursday	In Class Final Exam Time		
12/10/24	Tuesday	FINAL EXAM DUE	FINAL EXAM DUE	FINAL EXAM DUE