

ALE3D Advanced Class

Draft Agenda

PST	Mon (2/13) Module 1	Tue (2/14) Module 1	Wed (2/15) Module 2	Thu (2/16) Module 2
7:30	Office Hours	Office Hours	Office Hours	Office Hours
8:00	Meshing: Objects and Transformations	Meshing: Ratio Zoning	Advection: Lagrange vs ALE vs Eulerian	Advection: Advecting Material Damage
9:00	Meshing: Tables	Meshing: Distribution	Advection: Outflow Boundaries	Advection: Weights and Mesh Control
10:00	Meshing: Surfaces	Meshing: Generator Relaxation and Alternate Surfaces	Advection: Mesh Management for Blast Problems	Advection: Condition Number Weights
11:00	Meshing: Merging Objects	Meshing: Shells and External Mesh Objects	Advection: Mesh Management to Maintain Material Interfaces	Advection: Additional Information
12:00 – 2:00	TWO HOUR BREAK time to stretch, get sustenance, and test out some of those new skills			
2:00	Office Hours	Office Hours	Office Hours	Office Hours

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PST	Mon (2/27) Module 3	Tue (2/28) Module 3	Wed (3/1) Module 4
7:30	Office Hours	Office Hours	Office Hours
8:00	Embedded Grids: Coupling to ALE3D/Paradyn	SHPERAL Basics	Implicit Mechanics
9:00	Embedded Grids: Managing Foreground Fracture	Embedded Grids:SPHERAL Foreground	Heat Transfer
10:00	Embedded Grids: Donation of Failed Foreground	Advanced Material Models	Chemistry I
11:00	Embedded Grids: Build from scratch	MIDAS Demo	Chemistry II
12:00 – 2:00	TWO HOUR BREAK time to stretch, get sustenance, and test out some of those new skills		
2:00	Office Hours	Office Hours	Office Hours

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PST	Mon (3/13) Module 5	Tues (3/14) Module 5	Wed (3/15) Module 5
7:30	Office Hours	Office Hours	Office Hours
8:00	Explosives Modeling	DAX Test Modeling	GAP Test Modeling
9:00	Detonation Shock Dynamics	Pore Collapse	Steven Test Modeling
10:00	I&G in Chemistry	Cylinder Test w/ Cheetah	IHTC
11:00	Matview	Parr Bomb Modeling	Cookoff - STEX
12:00 – 2:00	TWO HOUR BREAK time to stretch, get sustenance, and test out some of those new skills		
2:00	Office Hours	Office Hours	Office Hours