

Introduction to Additive Manufacturing Workflow: In-Person

Agenda

Points of Contact

DRIVE AM

- Jorge Mireles, Executive Director

W.M. Keck Center for 3D Innovation, The University of Texas at El Paso

- Maria Fernanda Estrada, Research Associate

Overview

Day 1

8:00 AM	Trainer and Student Introductions
8:30 AM	Introduction to SolidWorks
12:00 PM	Lunch
1:00 PM	Introduction to MakerBot Print
2:30 PM	Break
3:00 PM	Process Parameters for Material Extrusion (MakerBot)
4:00 PM	Send a print file on MakerBot Method X
5:00 PM	End of Lecture

Day 2

8:00 AM	Post processing prints
9:00 AM	Design Guidelines for Material Extrusion (MakerBot)
10:00 AM	Troubleshooting failed prints (MakerBot)
11:00 AM	Intuitive Engineering
12:00 PM	Lunch
1:00 PM	Capstone Project description
1:30 PM	Capstone Project design and print
5:00 PM	End of Lecture

Day 3

8:00 AM	Remove and test Capstone Project
10:00 AM	Tour of Center and Review of Sample Parts
11:00 AM	Tour of Cotton & Technology Comparison
1:00 PM	Presentation Development
3:00 PM	Final Presentations of Capstone Project
5:00 PM	End of Lecture

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Course Schedule

Time (MST)	Hands-On Training - Day 1 (IN-PERSON)	Hands-On Training - Day 2 (IN-PERSON)	Hands-On Training - Day 3 (IN-PERSON)
	Tuesday	Wednesday	Thursday
8:00 AM	Trainer and Student Introductions	Post processing prints	Remove and test Capstone Project
8:30 AM	Introduction to SolidWorks		
9:00 AM		Design Guidelines for MEX	
9:30 AM			
10:00 AM		Troubleshooting failed prints	Tour of Center and Review of Sample Parts
10:30 AM			
11:00 AM		Intuitive Engineering	Tour of Cotton & Technology Comparison
11:30 AM			
12:00 PM	Lunch	Lunch	Lunch
12:30 PM			
1:00 PM	Introduction to MakerBot Print	Capstone Project Description	Presentation Development Time
1:30 PM		Capstone Project	
2:00 PM			
2:30 PM	Break		
3:00 PM	Process Parameters for MEX		Final Presentations of Capstone Project
3:30 PM			
4:00 PM	Send a print file on MakerBot		
4:30 PM			
5:00 PM	End of Lecture		