

Additive Manufacturing at MIT, Summer 2025						
	S	M	T	W		
	3-Aug-2025	4-Aug-2025	5-Aug-2025	6-Aug-2025		
7:30 AM		Coffee & pastries available		Industry Tours <i>Meet buses at 77 Massachusetts Avenue at 7:15am</i>	7:30 AM	
7:45 AM					7:45 AM	
8:00 AM		Introduction: Recap of pre-work; Framing the potential of AM			8:00 AM	
8:15 AM					8:15 AM	
8:30 AM			Open meeting time with Prof. John Hart (Optional)		8:30 AM	
8:45 AM		8:45 AM				
9:00 AM	Online pre-work distributed in advance, to be completed on your own time	Digital workflow for AM design and production	Case study sprint 1: Part functionalization			9:00 AM
9:15 AM				Option A: Factory visits for scaled AM production	9:15 AM	
9:30 AM					9:30 AM	
9:45 AM					9:45 AM	
10:00 AM		break		Option B: AM hardware startups and system innovators	10:00 AM	
10:15 AM		Lab exercises (two sections, alternating): Generative design for AM; Advanced equipment demonstrations	Case study sprint 2: Prototype print design and setup		10:15 AM	
10:30 AM						10:30 AM
10:45 AM					10:45 AM	
11:00 AM			Begin printing		11:00 AM	
11:15 AM					11:15 AM	
11:30 AM			11:30 AM			
11:45 AM			11:45 AM			
12:00 PM		LUNCH; Introductions and networking	LUNCH; Large format extrusion (Adam Stevens and Alex Rothschild, ORNL)	LUNCH; Strategies for adopting AM (David Tucker, New Wave Mfg)	12:00 PM	
12:15 PM					12:15 PM	
12:30 PM					12:30 PM	
12:45 PM					12:45 PM	
1:00 PM		Cost and value analysis	Case study sprint 3: DfAM	Productivity improvements on the shop floor (Glen Desmier, InductoHeat)	1:00 PM	
1:15 PM					1:15 PM	
1:30 PM					1:30 PM	
1:45 PM		break		Facilities (Steve Longpre, Barnstorm Studio)	1:45 PM	
2:00 PM		Case study kickoff			2:00 PM	
2:15 PM		Case study kickoff	Case study sprint 4: Finishing, inspection and testing	Case study presentation preparation	2:15 PM	
2:30 PM						2:30 PM
2:45 PM		Design for AM (DfAM) in four parts 1: Ideation 2: Process selection 3: Detailed design 4: Discussion"	Case study sprint 5: Revision	break	2:45 PM	
3:00 PM				Case study presentations and wrap-up		3:00 PM
3:15 PM						3:15 PM
3:30 PM						3:30 PM
3:45 PM						3:45 PM
4:00 PM		Case study work time (optional)	Additional case study work time (optional)		4:00 PM	
4:15 PM					4:15 PM	
4:30 PM					4:30 PM	
4:45 PM					4:45 PM	
5:00 PM		Case study work time (optional)	Additional case study work time (optional)		5:00 PM	
5:15 PM					5:15 PM	
5:30 PM					5:30 PM	
5:45 PM					5:45 PM	
6:00 PM		Reception at Cambridge Brewing Co. (until 730pm)			6:00 PM	
6:15 PM					6:15 PM	
6:30 PM					6:30 PM	
6:45 PM					6:45 PM	
AM break: coffee/water; PM break: coffee/water/snacks. Lunch provided. Breakfast on your own.						