

BRAINS, MINDS AND MACHINES COURSE SCHEDULE

		Morning 9-12	Afternoon 1:30-5:30	Evening 8-9	Night 9-
Mon	15		Reception - 5pm at Swope Terrace	Reception	
Tue	16	Introduction ---Lillie Auditorium	Student introductions ---Lillie Auditorium	Project introductions ---Loeb Laboratory	
Wed	17	8:30am MBL orientation Linear algebra, probability, optimization --Joe Olson, Andrei Barbu, Kevin Smith-- ---Loeb Laboratory Rm 306	Neuroscience,programming --Francisco Flores, Joe Olson-- ---Loeb Laboratory, Room 306	Project discussions ---Loeb Laboratory, Room 306	
Thur	18	Deep Learning tutorial ---Andrei Barbu and Gemma Roig--- ---9am-10am, Loeb 306 Neural Mechanisms Underlying Visual Object Recognition: The Convergence of Computer Vision and Biological Vision ---Jim DiCarlo---- ---10:30am-12noon, Lillie Auditorium	Studying the Murine Mind at a Big Scale, Tutorial:The Allen Institute's Brain Observatory and Cell Types Datasets ---Christof Koch, Lydia Ng--- ---Lillie Auditorium	Evening Seminar Series: "The Science of Consciousness" --- Christof Koch, Allen Institute for Brain Science --- Lillie Auditorium	Reception @ 41-70 restaurant
Fri	19	Computational neuroscience/ Propagation of sensory representations in cortex-like deep architectures ---Gabriel Kreiman, Haim Sompolinsky--- ---Lillie Auditorium	Computer Vision tutorial ---Andrei Barbu and Gemma Roig--- ---1:30-2:30 Loeb 306 Attention and active learning ---Jacqueline Gottlieb--- ---3:00-5:30 Lillie Auditorium	Evening Seminar Series: --- Dorin Comaniciu, Siemens Healthcare --- Speck Auditorium	Reception @ MBL Quad
Sat	20	Cognitive Neuroscience and Face Recognition ---Marge Livingstone, Nancy Kanwisher--- ---Lillie Auditorium	Neuroscience (methods), Neural data analysis ---Diego Mendoza Francisco Flores, Ethan Meyers--- ---Loeb Laboratory, Room 306	Journal Club Discussion @ MBL Private Dining Room, upstairs Swope Cnt 7:30pm-9pm	Social @ MBL Quad <i>immediately after journal club</i>
Sun	21	Machine learning ---Lorenzo Rosasco --- Lillie Auditorium	Machine Learning ---Lorenzo Rosasco, Charlie Frogner, Gemma Roig--- ---Loeb Laboratory, Room 306		
Mon	22	Robotics tutorial/Robotics ---Tedrake, Tellex --- Lillie Auditorium	Panel Discussion: AI from Academia to Industry, and bac V. Chandrasekhar, R. Socher, and C. Cadieu Lillie Auditorium	Evening Seminar Series: AI for Enterprise Softwar --- Richard Socher, Salesforce --- Lillie Auditorium	Reception @ MBL Quad (ice-cream sundaes)
Tue	23	Computational cogsci ---Josh Tenenbaum ---Lillie Auditorium	Church, Signal processing, Psychophysics and mTurk ---Kevin Smith, Wiktor Mlynarski, Jiye Kim--- ---Loeb Laboratory, Room 306	Journal Club Discussion @ MBL Private Dining Room, upstairs Swope Cntr 7:30pm-9pm	Social @ MBL Quad <i>immediately after journal club</i>
Wed	24	stats at 11am -- Ethan and SueYeon-- Loeb Laboratory, Room 306		Evening Seminar Series --- Jeff Lichtman, Harvard --- Lillie Auditorium	Reception @ 41-70 restaurant <i>last call 11:15pm</i>
Thur	25	Martha's Vineyard trip			
Fri	26	Memory ---Matt Wilson, Gabriel Kreiman--- ---Lillie Auditorium	1:30pm-2:30pm: Deep Generative Models, --Alan Yuille 2:30-3:30pm: -- James Haxby 3:30-4pm: Break 4-5:30pm: debate, followed by Q&A -- James Haxby, Nancy Kanwisher Moderator: TBA		

Sat	27	Social perception ---Rebecca Saxe ---Loeb 306 Social perception ---Ken Nakayama ---Lillie Auditorium					
Sun	28						
Mon	29	Development I ---Liz Speike, Sam Gershman--- ---Lillie Auditorium		Evening Seminar Series --- Max Tegmark, MIT --- Lillie Auditorium	Reception @ 41-70 restaurant <i>last call 11:15pm</i>		
Tue	30	Development II ---Laura Schulz--- ---Lillie Auditorium	AI, Geometry and the Mind ---Patrick Winston, L. Mahadevan--- ---Lillie Auditorium	Journal Club Discussion (tentative) @ MBL Private Dining Room, upstairs Swope Cnt 7:30pm-9pm	Social (tentative) @ MBL Quad (ice-cream sundaes) <i>immediately after journal club</i>		
Wed	31	Deep learning: towards a theory, AI / Language ---Tomaso Poggio, Boris Katz--- ---Lillie Auditorium	AI / Vision --- Shimon Ullman, Andrei Barbu --- ---Lillie Auditorium	Evening Seminar Series --- Marc Raibert, Boston Dynamics --- Lillie Auditorium	Reception @ 41-70 restaurant <i>last call 11:15pm</i>		
Thur	1	Audition and speech ---Josh McDermott, Ghazanfar, Jeremy Wolfe--- ---Speck Auditorium	Audition/vision panel ---Speck Auditorium	Journal Club Discussion (tentative) @ MBL Private Dining Room, upstairs Swope Cnt 7:30pm-9pm	Social (tentative) @ MBL Quad <i>immediately after journal club</i>		
Fri	2		Gemma Boat Ride available 1:15 - 3:00 pm				
Sat	3						
Sun	4	Student presentations --- Speck Auditorium	Student presentations --- Speck Auditorium	Closing reception - 7PM at Landfall Restaurant			
		LEGEND					
		Talk	Project				
		Tutorial	Social				
		Panel					