



# Beowulf Boot Camp

July 8-12, 2019 Schedule

Monday, July 8			
9:00-9:30 AM	LDMC Foyer	Call to Adventure	Steven Brandt
9:30-10:00 AM	LDMC 1034	Jupyter and the Unix Shell	Steven R. Brandt
10:00-11:30 AM	LDMC 1034	Programming in Python I	Steven R. Brandt
11:30-12:30 PM	LDMC Foyer	Lunch	
12:30-1:00 PM	LDMC 1034	The Python Game	Steven Brandt
1:00-1:30 PM	LDMC 1034	Python Programming	Steven Brandt
1:30-2:00 PM	LDMC 1034	Machine Learning	Shayan Shams
2:00-2:30 PM	LDMC Foyer	Break	
2:30-3:00 PM	LDMC 1034	Building a Computer from its Parts	Chris Cano
3:00-3:30 PM	LDMC 1034	Python Programming	Steven R. Brandt
Tuesday, July 9			
9:00-9:30 AM	LDMC Foyer	Welcome	
9:30-10:00 AM	LDMC 1034	Cryptocurrency	Tim Wright
10:00-11:30 AM	LDMC 1034	Programming in Python II	Steven R. Brandt
11:30-12:30 PM	LDMC Foyer	Lunch	
12:30-1:30 PM	LDMC 1034	Python Challenge Problems	Steven Brandt
1:30-2:00 PM	LDMC 1034	High performance computing for materials science	Yang Wang
2:00-2:30 PM	LDMC Foyer	Break	
2:30-3:00 PM	LDMC 1034	Intro to Parallelism	Patrick Diehl, Adrian Serio
3:00-3:30 PM	LDMC 1034	Assembling Cluster Hardware	Steven Brandt
Wednesday, July 10			
9:00-9:30 AM	LDMC Foyer	Welcome	
9:30-10:00 AM	LDMC 1034	The Ising on the Cake	Samuel Kellar and Mark Jarrell
10:00-11:30 AM	LDMC 1034	Cooperative Computing	Darren Hudman
11:30-12:30 PM	LDMC Foyer	Lunch	
12:30-1:30 PM	LDMC 1034	Parallel Python Programming	Steven Brandt
1:30-2:00 PM	LDMC Foyer	Break	
2:00-2:30 PM	LDMC 1034	Introduction to Recommender Systems	Mingxuan Sun
2:30-3:00 PM	LDMC 1034	Computing the Ocean	Junhong Liang
3:00-3:30 PM	LDMC 1034	Conway's Game	Steven Brandt
Thursday, July 11			
9:00-9:30 AM	LDMC Foyer	Welcome	
9:30-10:00 AM	LDMC 1034	Numerical Relativity: Using Supercomputers to Simulate Black Holes	Peter Diener
10:00-11:30 AM	LDMC 1034	Parallel Python Programming	Steven Brandt
11:30-12:30 PM	LDMC Foyer	Lunch	
12:30-1:15 PM	LDMC 1034	Parallel Python Programming	Steven Brandt
1:15-1:45 PM	LDMC 1034	Supercomputers, What Makes them Tick?	Theda M. Daniels-Race
1:45-2:30 PM	LDMC Foyer	Break	
2:30-3:00 PM	LDMC 1034	Spintronics	Juana Moreno
3:00-3:30 PM	LDMC 1034	Dragons!	Steven Brandt
Friday, July 12			
9:00-9:30 AM	LDMC Foyer	Welcome	
9:30-10:30 AM	LDMC 1034	Dragon Battle	Steven Brandt
10:30-11:00 AM	LDMC 1034	Machine Room Tour	Richard Raether
11:00-11:30 AM	LDMC 1034	Machine Learning	Shayan Shams
11:30-12:30 PM	LDMC Foyer	Lunch	
12:30-2:00 PM	LDMC 1034	Is it Magnetic? - Materials in a Computer	Markus Eisenbach
2:00-2:30 PM	LDMC Foyer	Break	
2:30-3:00 PM	LDMC 1034	The Future of HPC	Steven Brandt
3:00-3:30 PM	LDMC 1034	Exit Survey	??
5:00-6:30 PM	LDMC Foyer	High-Performance Pizza	