

Time	Location	06/10/19	06/11/19	06/12/19	06/13/19	06/14/19	06/15/19	06/16/19
08:30	Life Sciences I, Rm 101	Intro to RPi, Linux, & Hardware Interfacing	Intro to Programming	Building a Perceptron	Regression & function estimation	Ohm's law experiment		
08:45								
09:00								
09:15								
09:30								
09:45	Hahn garden	break	break	break	break	break		
10:00	Life Sciences I, Rm 101	Experiment: Measuring the atmosphere	Intro to Programming	Building a Perceptron	Konstantin Genin: Logical Reliability	Konstantin Genin: Statistics & Logical Reliability		
10:15								
10:30								
10:45								
11:00								
11:15	D2 in Dietrich Hall	lunch	lunch	lunch	lunch	lunch		
11:30								
11:45								
12:00								
12:15								
12:30	Life Sciences I, Rm 101	Properties of the Perceptron	Intro to <i>numpy</i>	SVM & Kernel Methods	Open Lab	Measuring the atmosphere: Redux		
12:45								
13:00								
13:15								
13:30								
13:45	Hahn garden	break	break	break	break	break		
14:00								
14:15								
14:30								
14:45								
15:00	Life Sciences I, Rm 101	Truth or Confirmation?	Against the Logic of Discovery	Nearest Neighbor Classifiers	Nic Fillion	Nic Fillion		
15:15								
15:30								
15:45								
16:00								
16:15	(cont.)	Why There Must Be a Logic of Discovery	(cont.)	(cont.)	Mathematics, epistemology, & science	Mathematics, epistemology, & science		
16:30								
16:45								
17:00								
17:15								

Open Lab  
(1300-1500, Life Sciences I, Rm. 101)

Time	Location	06/17/19	06/18/19	06/19/19	06/20/19	06/21/19	06/22/19	06/23/19
08:30	Life Sciences I, Rm 101	TBD	Intro to Causal Discovery	Heuristic Search & Building BACON.3	Alex Tolbert: Natural Kinds	Learn Your Modules	Robot Scientist (Outreach event in Roanoke)	Robot Scientist (Outreach event in Roanoke)
08:45								
09:00								
09:15								
09:30								
09:45	Hahn garden	break	break	break	break	break		
10:00	Life Sciences I, Rm 101	Intro to Statistical Learning Theory	Causal Discovery Exercises; Causal Analysis of Ohm's Law Data	Building BACON.3	The EUGENE Project	Learn Your Modules		
10:15								
10:30								
10:45								
11:00								
11:15	D2 in Dietrich Hall	lunch	lunch	lunch	lunch	lunch		
11:30								
11:45								
12:00								
12:15								
12:30	Life Sciences I, Rm 101	VC dimension	The PC Algorithm	BACON.3 & Ohm's Law	Subhradeep Roy: EUGENE applications	Working with Minors		
12:45								
13:00								
13:15								
13:30								
13:45	Hahn garden	break	break	break	break	break		
14:00	Life Sciences I, Rm 101	more statistical learning	Discovering Causal Macrovariables	Schulte on Goodman and the Riddle of Induction	Status of the Deep Structure Objection	Overview of Student Cognition		
14:15								
14:30								
14:45								
15:00								
15:15	Life Sciences I, Rm 101	break	break	break	break	break		
15:30								
15:45								
16:00								
16:15								
16:30	Life Sciences I, Rm 101	Vapnik vs. Popper	Computing Macrovariables (examples)	Rebuttals to Schulte & the means-ends resolution	ML, AI, Physical Computing, & Philosophy	Overview of Student Cognition		
16:45								
17:00								
17:15								