

All topics and dates are tentative and subject to change. Any substantive changes (such as due dates) will be announced on Piazza.

Wee k	Date	Topic	Quizzes Released: Tu 2:45pm Due: Wed 2:45pm	Assignments Released: 1 week before Due: Fri 11:59pm
1	Tue, Jan 14	Introduction to artificial intelligence	Prereq Quiz (ungraded)	
1	Thu, Jan 16	Introduction to artificial intelligence	Prereq Quiz (ungraded)	<i>(Assignment 1 released)</i>
2	Tue, Jan 21	Principal components analysis (PCA)	Quiz 1 released	
2	Thu, Jan 23	Principal components analysis (PCA)		Assignment 1 due Friday
3	Tue, Jan 28	Machine learning	Quiz 2 released	
3	Thu, Jan 30	Machine learning		Assignment 2 due Friday
4	Tue, Feb 04	Machine learning	Quiz 3	
4	Thu, Feb 06	Machine learning		Assignment 3 due Friday
5	Tue, Feb 11	Deep learning basics	Quiz 4	
5	Thu, Feb 13	Deep learning basics		Assignment 4 due Friday
6	Tue, Feb 18	Deep learning basics		
6	Thu, Feb 20	<b>Midterm 1 during class period</b>	<b>(Midterm 1)</b>	
7	Tue, Feb 25	Natural Language Processing (NLP)	Quiz 5	
7	Thu, Feb 27	Natural Language Processing (NLP)		Assignment 5 due Friday
8	Tue, Mar 04	Natural Language Processing (NLP)	Quiz 6	
8	Thu, Mar 06	Review of probability		Assignment 6 due Friday
9	Tue, Mar 11	Review of probability	Quiz 7	
9	Thu, Mar 13	Density estimation		Assignment 7 due Friday
10	Tue, Mar 18	<i>Spring break</i>	<i>Spring break</i>	<i>Spring break</i>
10	Thu, Mar 20	<i>Spring break</i>	<i>Spring break</i>	<i>Spring break</i>
11	Tue, Mar 25	Autoencoders	Quiz 8	
11	Thu, Mar 27	Autoencoders		Assignment 8 due Friday
12	Tue, Apr 01	Diffusion Models		
12	Thu, Apr 03	<b>Midterm 2 during class period</b>	<b>(Midterm 2)</b>	
13	Tue, Apr 08	Diffusion Models	Quiz 9	
13	Thu, Apr 10	Markov Decision Processes (MDP)		Assignment 9 due Friday
14	Tue, Apr 15	Markov Decision Processes (MDP)	Quiz 10	
14	Thu, Apr 17	Markov Decision Processes (MDP)		Assignment 10 due Friday
15	Tue, Apr 22	Reinforcement Learning	Quiz 11	
15	Thu, Apr 24	Reinforcement Learning		Assignment 11 due Friday
16	Tue, Apr 29	Special topics	<i>Quiet week</i>	<i>Quiet week</i>
16	Thu, May 01	Special topics	<i>Quiet week</i>	<i>Quiet week</i>
17	Thu, May 08	<b>Cumulative final exam (3:30-5:30pm in SMTH 108)</b>	<b>(Final exam)</b>	