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

Week	Date	Topic	Group Participation Released: Monday Due: Sunday	Assignments Released: 1 week before Due: Fri 11:59pm
1	Tue, Jan 13	Introduction to artificial intelligence		
1	Thu, Jan 15	Introduction to artificial intelligence	*(Organize groups)*	*(Assignment 1 released)*
2	Tue, Jan 20	Principal components analysis (PCA)		
2	Thu, Jan 22	Principal components analysis (PCA)	Participation due	Assignment 1 due
3	Tue, Jan 27	Machine learning		
3	Thu, Jan 29	Machine learning	Participation due	Assignment 2 due
4	Tue, Feb 03	Machine learning		
4	Thu, Feb 05	Machine learning	Participation due	Assignment 3 due
5	Tue, Feb 10	Deep learning basics		
5	Thu, Feb 12	Deep learning basics	Participation due	Assignment 4 due
6	Tue, Feb 17	Deep learning basics		
6	Thu, Feb 19	Natural Language Procesing (NLP)	Participation due	Assignment 5 due
7	Tue, Feb 24	Natural Language Procesing (NLP)		
7	Thu, Feb 26	**Midterm 1 during class period**	Participation due	**(Midterm 1)**
8	Tue, Mar 03	Natural Language Procesing (NLP)		
8	Thu, Mar 05	Review of probability	Participation due	Assignment 6 due
9	Tue, Mar 10	Review of probability		
9	Thu, Mar 12	Density estimation	Participation due	Assignment 7 due
10	Tue, Mar 17	*Spring break*		*Spring break*
10	Thu, Mar 19	*Spring break*		*Spring break*
11	Tue, Mar 24	Autoencoders		
11	Thu, Mar 26	Autoencoders	Participation due	Assignment 8 due
12	Tue, Mar 31	Diffusion Models		
12	Thu, Apr 02	**Midterm 2 during class period**	Participation due	**(Midterm 2)**
13	Tue, Apr 07	Diffusion Models		
13	Thu, Apr 09	Markov Decision Processes (MDP)	Participation due	Assignment 9 due
14	Tue, Apr 14	Markov Decision Processes (MDP)		
14	Thu, Apr 16	Markov Decision Processes (MDP)	Participation due	Assignment 10 due
15	Tue, Apr 21	Reinforcement Learning		
15	Thu, Apr 23	Reinforcement Learning	Participation due	Assignment 11 due
16	Tue, Apr 28	Special topics	*Quiet week*	*Quiet week*
16	Thu, Apr 30	Special topics	*Quiet week*	*Quiet week*
17	TBD	**Cumulative final exam (TBD)**		**(Final exam)**