

# CS3317: Artificial Intelligence

Shanghai Jiao Tong University, Fall 2022

## Teaching Staff

	name	email	office hour
Instructor	<a href="#">Shuai Li</a>	shuaili8@sjtu.edu.cn	Mon 2-3 PM Rm 1406-2, Software College
Assistant Instructor	<a href="#">Panpan Cai</a>	cai_panpan@sjtu.edu.cn	Mon 3-4 PM Online
Chief TA	Zhihui Xie	fffffarmer@sjtu.edu.cn	Wed 7-9 PM Online
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	Xu Liu	liu_skywalker@sjtu.edu.cn	Tue 7-9 PM Rm 1119, Software College

## News

**HW 6** is out and is due on Jan 1. **Solution 6** is out.

**HW 5** is out and is due on Dec 15. **Solution 5** is out.

**HW 4** is out and is due on Nov 30. **Solution 4** is out.

**Project** is out and is due on Dec 28.

**HW 3** is out and is due on Nov 16. **Solution 3** is out.

**HW 2** is out and is due on Oct 28. **Solution 2** is out.

**HW 1** is out and is due on Oct 12. **Solution 1** is out.

## Course Information

### Lecture times

Thu 12:55-15:40 at Dong Zhong Yuan 2-203

**Grading** Your grade will be determined by assignments (40%), a project (25%), a final exam (30%) and participation (5%).

### References

[CS 188 Introduction to Artificial Intelligence](#) by UC Berkeley

[15-281 Artificial Intelligence: Representation and Problem Solving](#) by CMU

[CS221: Artificial Intelligence: Principles and Techniques](#) by Stanford

Artificial Intelligence: A Modern Approach, by Stuart Russell and Peter Norvig

## Schedule

week	date	topic	materials
1	Sep 15	1 Introduction	<a href="#">pdf</a>
2	Sep 22	2 Search	<a href="#">pdf</a>
3	Sep 29	3 Constraint Satisfaction Problems	<a href="#">pdf</a> <a href="#">demo</a>
4	Oct 9		
5	Oct 13	4 Boolean Satisfiability Problem	<a href="#">pdf</a> (updated on Oct 19) <a href="#">demo</a>
6	Oct 20	5 Adversarial Search	<a href="#">pdf</a> (updated on Oct 19)
7	Oct 27	6 Markov Decision Processes	<a href="#">pdf</a>
8	Nov 3		
9	Nov 10	7 Reinforcement Learning	<a href="#">pdf</a>
10	Nov 17	8 Multi-armed Bandits	<a href="#">pdf</a>

11	Nov 24		
12	Dec 1	9 Bayes Nets: Probabilistic Models	<a href="#">pdf</a>
13	Dec 8	10 Bayes Nets: Inference	<a href="#">pdf</a> (updated on Dec 8)
14	Dec 15		
15	Dec 22	Advanced Topics & Final Review	<a href="#">pdf</a>
16	Dec 29	<i>Presentations</i>	