

PSY301 SCIENTIFIC THINKING

Fall 2024 TR 4-5:20PM

Course Schedule

Week	Date	Topic	Readings	Due
1	T Oct. 1	Thinking like a scientist	Syllabus ☺	
	R Oct. 3	Science versus pseudoscience	Morling Ch. 1-2; Oreskes (2014) [Video]	
	Sun Oct. 6 @ 11:59pm			Join our iClicker course
2	T Oct. 8	Variables and claims	Morling Ch. 3 (pp. 55-66)	
	R Oct. 10	A framework for evaluating scientific claims	Morling Ch. 3 (pp. 67-85)	
	Sun Oct. 13 @ 11:59pm			HW 1
3	T Oct. 15	History of ethical violations in scientific research	Morling Ch. 4 (pp. 89-94); Judo (2013) [Video]	
	R Oct. 17	Modern guidelines for ethical research	Morling Ch. 4 (pp. 95-115)	
4	T Oct. 22	EXAM 1		
	R Oct. 24	Collecting representative samples	Morling Ch. 7; Pew Research (2017) [Video]	
5	T Oct. 29	Developing reliable and valid measures	Morling Ch. 5	
	R Oct. 31 🍊	Self-report and observational approaches to measurement	Morling Ch. 6	
	Sun Nov. 3 @ 11:59pm			CRITIQUE 1
6	T Nov. 5	Correlational studies	Morling Ch. 8; Vocativ (2015) [Video]	
	R Nov. 7	Mediation, moderation, and third variables	Morling Ch. 9	
	Sun Nov. 10 @ 11:59pm			HW 2
7	T Nov. 12	EXAM 2		
	R Nov. 14	Experiments	Morling Ch. 10; TED-Ed (2016) [Video]	
8	T Nov. 19	Threats to internal validity	Morling Ch. 11	
	R Nov. 21	Factorial designs	Morling Ch. 12	
	Sun Nov. 24 @ 11:59pm			HW 3
9	T Nov. 26	Quasi-experiments	Morling Ch. 13 (pp. 400-418)	
	R Nov. 28	NO CLASS (Thanksgiving Break)		
	Sun Dec. 1 @ 11:59pm			CRITIQUE 2
10	T Dec. 3	The replication crisis	Morling Ch. 14 (pp. 437-447); Veritasium (2016) [Video]	
	R Dec. 5	The credibility revolution	Morling Ch. 14 (pp. 448-463)	
Finals	Mon Dec. 9 @ 12:30pm			FINAL EXAM