

# PSY301 SCIENTIFIC THINKING

Fall 2024 MW 2-3:20PM

## Course Schedule

Week	Date	Topic	Readings	Due
1	M Sept. 30	Thinking like a scientist	Syllabus ☺	
	W Oct. 2	Science versus pseudoscience	Morling Ch. 1-2; Oreskes (2014) <a href="#">[Video]</a>	
	<b>Sun Oct. 6 @ 11:59pm</b>			<a href="#">Join our iClicker course</a>
2	M Oct. 7	Variables and claims	Morling Ch. 3 (pp. 55-66)	
	W Oct. 9	A framework for evaluating scientific claims	Morling Ch. 3 (pp. 67-85)	
	<b>Sun Oct. 13 @ 11:59pm</b>			<b>HW 1</b>
3	M Oct. 14	History of ethical violations in scientific research	Morling Ch. 4 (pp. 89-94); Judo (2013) <a href="#">[Video]</a>	
	W Oct. 16	Modern guidelines for ethical research	Morling Ch. 4 (pp. 95-115)	
4	M Oct. 21	<b>EXAM 1</b>		
	W Oct. 23	Collecting representative samples	Morling Ch. 7; Pew Research (2017) <a href="#">[Video]</a>	
5	M Oct. 28	Developing reliable and valid measures	Morling Ch. 5	
	W Oct. 30	Self-report and observational approaches to measurement	Morling Ch. 6	
	<b>Sun Nov. 3 @ 11:59pm</b>			<b>CRITIQUE 1</b>
6	M Nov. 4	Correlational studies	Morling Ch. 8; Vocativ (2015) <a href="#">[Video]</a>	
	W Nov. 6	Mediation, moderation, and third variables	Morling Ch. 9	
	<b>Sun Nov. 10 @ 11:59pm</b>			<b>HW 2</b>
7	M Nov. 11	NO CLASS (Veteran's Day)		
	W Nov. 13	<b>EXAM 2</b>		
8	M Nov. 18	Experiments	Morling Ch. 10; TED-Ed (2016) <a href="#">[Video]</a>	
	W Nov. 20	Threats to internal validity	Morling Ch. 11	
	<b>Sun Nov. 24 @ 11:59pm</b>			<b>HW 3</b>
9	M Nov. 25	Factorial designs	Morling Ch. 12	
	W Nov. 27	Quasi-experiments	Morling Ch. 13 (pp. 400-418)	
	<b>Sun Dec. 1 @ 11:59pm</b>			<b>CRITIQUE 2</b>
10	M Dec. 2	The replication crisis	Morling Ch. 14 (pp. 437-447); Veritasium (2016) <a href="#">[Video]</a>	
	W Dec. 4	The credibility revolution	Morling Ch. 14 (pp. 448-463)	
Finals	<b>Thurs Dec. 12 @ 2:45 PM</b>			<b>FINAL EXAM</b>