

Schedule for PNB3EE3 Winter 2026 (Dr. Fink)

BC = Before Class; yellow highlight = assignment

Date	Tutorial	LECTURE	Assignments
Wed-07-Jan Fri-09-Jan	Meet each other Get set up with IDE + git + GitHub	Intro to each other & course Lecture: Perception basics; Experiment basics Exercise: Experiment Example Lecture: Interactions between Perception, Attention & Motor Behaviour	Environment Exercise Due (ungraded) Read: Experimentology, Chs. 1, 2, 3, 4, & Appendix B
Wed-14-Jan Fri 16-Jan	Discuss any confusions from Chs. 1-4 Find a few recent papers of interest (start folder of readings in ref manager)	Quiz: Experimentology 1-4 Lecture: Intro to Open Science & web technologies Review: jsPsych Assignment 1 Exercise: GitHub & OSF Lecture: Creating a Research Niche; Searching the scientific literature	Work on jsPsych Assignment 1 Start researching topic of interest Read Experimentology Chs. 5,6,7
Wed-21-Jan Fri 23-Jan	Discuss any confusions related to jsPsych assignment 1 Review code fundamentals / universals	Quiz: JsPsych 1 Quiz: Experi 5-7 Lecture: Data Management, Open Data, and Data Exploration Exercise w Mac Library Data Management Team	jsPsych Assignment 1 Due (BC) Work on jsPsych Assignment 2 Read Experimentology Chs. 8,9,10
Wed-28-Jan	DataVis exercise	Quiz: JsPsych 2	jsPsych Assignment 2 Due (BC)

Fri-30-Jan		Review: jsPsych Assignment 2 Lecture: Data visualization Exercise: Experimental Design & Design Figure Discuss: Research interests	Work on Data Visualization Exercise Read Experimentology Chs. 11,12,13,15
Wed-04-Feb	Review jsPsych 2 assignment further (if necessary)	Quiz: Experi 8-10 Review Visualization Exercise	Read Experimentology Chs. 11,12,13,15
Fri-06-Feb	Set up pre-registration in R notebook or similar Discuss topics	Lecture: Intro to Pre-registration	Continue researching topic of interest!
Wed-11-Feb	Prepare 2 min presentation on interests to pitch in class	Quiz: Experimentology 11-15 Discuss: Research interests	Continuing researching topic of interest! Work on pre-registration.
Fri-13-Feb		Lecture: AI in the research cycle Exercise: Using AI responsibly	Pre-registration background due – ungraded (BC)
Feb. 16-22		READING WEEK	Prepare pre-registration!
Wed-25-Feb	Peer-review pre-registrations w/ partners	Lecture & Exercise from experimental design to code (jsPsych)	Full pre-registration Due (BC)
Fri-27-Feb			Start writing experiment code
Wed-04-Mar	Setting up jsPsych exp. Ask for coding help from TAs Peer-review exp. code	Review: Issues with setting up experiments; hands-on troubleshooting; piloting	Prepare experiment code
Fri-06-Mar		Lecture & Exercise: Research poster	
Wed-11-Mar	Ask for coding help from TAs, Peer-review exp. code	Exercise: Pilot each others' experiments Lecture: Planning Analyses; setting	Experiment Code Due (BC)

Fri-13-Mar		up notebook Exercise: Simulating results	
Wed-18-Mar	Simulate experiment data and code analyses	Exercise: Troubleshoot / critique planned analyses Lecture: Poster & Presentation best practices	Prepare analysis code!
Fri-20-Mar			
Wed-25-Mar	Peer review analysis notebooks	Discussion: Changes since pre-registration draft Lecture: iterating on a research design Poster Workshop	Analysis Code Due (BC)
Fri-27-Mar			
Wed-01-Apr	Peer review posters / practice talks. Ask for any help needed	Research poster presentations Wrap-up course discussion	Research Poster Due (BC)
Fri-03-Apr			