

Training Course in fMRI

August 2, 2021-August 13, 2021

Lectures & Labs: 1324 East Hall

WEEK 1 LECTURE SCHEDULE

LECTURE SCHEDULE			
Day/Date	Time	Topic	Instructor
Monday 8/2/2021	8:00 AM – 1:00 PM	Introduction to Neuroanatomy & Experimental Design	John Jonides University of Michigan
Tuesday 8/3/2021	8:30 AM – 12:30 PM	MRI Physics	Nicole Seiberlich University of Michigan
Wednesday 8/4/2021	8:30 AM – 12:30 PM	MRI & BOLD Physics	Doug Noll University of Michigan
	anytime	Clinical Applications of fMRI-virtual	Benjamin Hampstead University of Michigan
Thursday 8/5/2021	8:30 AM – 12:30 PM	fMRI Data Preprocessing	Luis Hernandez-Garcia University of Michigan
Friday 8/6/2021	8:30 AM – 12:30 PM	Level Analysis & Experimental Design	Andy Jahn University of Michigan
Saturday and Sunday 8/7/2021 8/8/2021	anytime	Review of Basic Statistics and the GLM-virtual	Adriene Beltz University of Michigan

WEEK 2 LECTURE SCHEDULE

Sunday 8/8/2021	6:00 – 8:00 PM	Remote office hours for questions about lecture	Adriene Beltz University of Michigan
Monday 8/9/2021	8:30 AM – 12:30 PM	Contrasts, Group Analysis & Double Dissociations	Andy Jahn University of Michigan
	4:00 PM	Pattern Analysis & Classification via MVPA-virtual but live	Stephen LaConte Virginia Tech
Tuesday 8/10/2021	8:30 AM - 12:30 PM	Pitfalls in fMRI Research	Andy Jahn University of Michigan
Wednesday 8/11/2021	8:30 AM – 12:30 PM	Network Analysis & Tools	Scott Peltier University of Michigan Alex Iordan University of Michigan
Thursday 8/12/2021	8:30 AM – 12:30 PM	Part 1-Introduction to Open Science Part 2-BIDS, MRIQC & fMRIPrep	Andy Jahn University of Michigan Scott Peltier University of Michigan
Friday 8/13/2021	8:30 AM – 12:30 PM	Reproducibility	Andy Jahn University of Michigan

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WEEK 1 LAB SCHEDULE			
Day/Date	Time	Topic	Instructor
Monday 8/2/2021	2:00 – 5:00 PM	Matlab (Basic)	Luis Hernandez-Garcia
Tuesday 8/3/2021	1:30 – 5:00 PM	Matlab Programming for fMRI	Luis Hernandez-Garcia
Wednesday 8/4/2021	3:00 PM	fMRI Lab Tour -virtual	fMRI LAB TOUR: John Jonides, Doug Noll & Scott Peltier
Thursday 8/5/2021	2:00 PM – 5:00 PM	SPM Introduction & Preprocessing: A hands-on demonstration & practice	Luis Hernandez-Garcia, Scott Peltier, Andy Jahn and Alex Iordan
Friday 8/6/2021	1:30 PM – 5:00 PM	Single-Subject Analysis	Luis Hernandez-Garcia, Scott Peltier, Andy Jahn and Alex Iordan

WEEK 2 LAB SCHEDULE

Monday 8/9/2021	1:30 PM – 3:55 PM	Design Optimization: Design Specification Basics	Luis Hernandez-Garcia, Scott Peltier, Andy Jahn and Alex Iordan
Tuesday 8/10/2021	1:30 PM – 5:00 PM	Group (2nd level) Analysis	Luis Hernandez-Garcia, Scott Peltier, Andy Jahn and Alex Iordan
	6:00-8:00 PM	Demonstation of Real-Time Data Collection & Analysis Using MVPA - virtual	Scott Peltier, Steve LaConte, Krisanne Litanas, and John Jonides
Wednesday 8/11/2021	1:30 PM – 5:00 PM	Students Choose Labs	Luis Hernandez-Garcia, Scott Peltier, Andy Jahn and Alex Iordan
Thursday 8/12/2021	1:30 PM – 5:00 PM	Open Science and BIDS	Andy Jahn
Friday 8/13/2021	NO LAB	NO LAB	NO LAB