

Psychology 398 / 3.0  
Functional Neuroimaging the Human Brain and Mind  
Fall 2018

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Class Days/Times: Tuesdays: 4 ±5:30 pm  
Thursdays: 2:30 ±4 pm

Location: Dunning, Room 12

Course Description:

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examples, what human neuroimaging has revealed about the functional organization of the mechanisms underlying goal-directed behaviour (e.g., perception, planning, memory, language, decision-making, etc.). In addition, we will discuss the merits and limitations of fMRI as a tool for cognitive neuroscientists and the ways in which it can be combined with other techniques.

Intended Student Learning Outcomes :

Upon completion of this course, a successful student should be able to:

1. Understand how fMRI works and how it is commonly used to investigate cognitive processes in the brain
2. Understand, in principle, both basic and advanced fMRI analyses and how corresponding results should be interpreted
3. Understand some basic human functional neuroanatomy and topography
4. Critically read and scrutinize an fMRI paper and understand the strengths and weaknesses of the presented findings (



Thursday, November 8, 2018  
Tuesday, November 13, 2018

Lecture 14: Memory

grade, but they will know the answer to that particular question on the exam, and thus also receive additional benefit! LATE MCs WILL NOT BE ACCEPTED.

Team Video Presentations (15% of final mark) :

For this project, self-assemble into groups of five (5) individuals (this number is subject to change depending on total course enrollment). For this project, you and your team will choose a research article in a particular content area (a list of potential

Note that content derived from the video presentations is fair game for the Final Exam and thus, attending the video presentations of your peers will prove to be in your benefit.

Research Proposal (20% of final mark):

You will be required to read one of the articles provided and design a follow-up experiment to the study that builds on those previous findings but which could, in principle, provide its own novel contribution to the literature. In only 1 page, you will be expected to:

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Accommodations Statement

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Location and Timing of Final Examinations