# COURSE NAME AND CODE

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| Course | CGSC5005 |
| Instructor | Dr. Olessia Jouravlev |
| Term | Winter 2022 |
| Email Address | olessia.jouravlev@carleton.ca |
| Office Location | 2202A DT |
| Office Hours | TBD |

## **Course Description/Instructor’s Statement**

Most cognitive scientists would agree that to understand how human mind works, we need to understand how human brain allows for cognitive functions. The objective of this course is to introduce students to the topics of cognitive neuroscience and provide students with some hands on experience of collecting and analyzing neural data. The course will be comprised of lectures and discussions that will cover basics of neuroanatomy, key methods of cognitive neuroscience (including fMRI, EEG/ERPs, MEG, and fNIRS), and analyses techniques. The course will emphasize the development of skills that are important for career in academia. Students will leave the course with an enhanced ability to interpret neural data in the context of cognitive theory and to distil core ideas from complex fields. By the end of the class, students should be able to read, understand, and critique papers in cognitive neuroscience. Students will have experience with grant-proposal writing.

The course will be offered synchronously via remote instruction (via zoom).

## **Evaluation**

Class participation

Grant-style proposal

## **Text**

Assigned readings