

Brief Course Outline

Course Title: **Method and Theory in Cognition**

Course Number and Section

PSYCHOL

2180E 550

Instructor Name(s): Melissa Meade

Instructor Email(s): MMEADE3@UWO.CA

Disclaimer: Information in the brief course outline is subject to change. The syllabus posted on OWL Brightspace is the official and authoritative source of information for the course.

Course Description:

An introduction to method and theory in the study of human cognitive processes. Topics covered may include: perception, attention, memory, concept formation, language, thinking, problem solving, and comparative cognition. The course will involve both theory and hands on experience with the research methods used by cognitive psychologists.

Learning Outcomes: one outcome per entry

Understanding of the fundamental concepts in human cognition.

Extensive exposure to human cognition research paradigms.

Hands-on experience in executing a research project, including formulating a research question, designing an experiment, collecting and analyzing data, creating data visualizations, and effective communication of research findings.

Textbooks and Course Materials:

Required textbook: Goldstein, E. B. (2026). Cognitive Psychology: Connecting Mind, Research, and Everyday Experience (6th ed.). Cengage.

The textbook costs \$77.95 for eText or \$199.95 for hardcopy, the supplemental MindTap study tools cost extra and are NOT required. You may also purchase a copy of the 5th edition of this textbook but be aware that some information will differ from the most recent 6th edition of the textbook.

Required software: PsychoPy (<https://www.psychopy.org/>) is a free, open-source tool for programming experiments. JASP (<https://jasp-stats.org/>) is a free, open-source tool for statistical analysis of data.

Methods of Evaluation: one assignment per entry

Assignment	Due Date mm/dd/yy	Weight - %
Participation & Reflection	Ongoing	5

Assignment	Due Date mm/dd/yy	Weight - %
Fall Midterm	10/21/2026	10
Fall Final Exam	TBA (Exam Period)	15
Winter Midterm	02/24/2027	10
Winter Final Exam	TBA (Exam Period)	15
Research Proposal	10/09/2026	4
REB Ethics Submission	12/04/2026	8
Peer & Self Evaluation	12/09/2026	4
PsychoPy Program Submission	01/13/2027	4
Data Analysis and Visualization	02/12/2027	5
Academic Poster & Presentation	04/07/2027	20

Monday, August 17, 2026

Huron Brief Course Outline 2026/27

In-course Costs \$077.95

For Textbooks and Course Materials (below), you are required to include the cost of each textbook or other learning material.

Note whether there are any restrictions that would prevent a student from using a second-hand copy. Here is some suggested text:

- Required textbook: [author, title, edition, publisher, date]. Cost: [insert amount].
 - Or include the weblink of the textbook’s publisher site that includes the cost information.
- Students need to purchase this edition. Second-hand or older editions will not be sufficient.
- OR Students are welcome to purchase second-hand or earlier editions of this textbook.
- This course has an optional field trip that costs [insert amount].
- This course has a required field component that costs [insert amount].

In solidarity with the Anishinaabe, Haudenosaunee, Lūnaapéewak, and Chonnonton peoples on whose traditional treaty and unceded territories this course is shared.