PSYC 5003 OPEN SCIENCE

Course	5003W
Instructor	**John Zelenski**
Term	Winter 2025
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Office Hours	TBD

COURSE DESCRIPTION/INSTRUCTORS STATEMENT

In recent years, meta-research methods issues (e.g., reproducibility, open science, etc.) have yielded provocative findings, vigorous discussions, and novel innovations. This course will engage with these issues in ways that are primarily practical, i.e., useful to current graduate students' research. However, doing this will require addressing some basic issues in measurement, statistical inference, ethics, and philosophy of science.

Readings, discussions, and activities will provide tools that will help you improve your own research practices, and to better interpret the evidence in published reports. The standards, requirements, and values of publishing high quality research in psychology develop quickly, and we will engage with recent trends in ways that will likely increase the quality and impact of your own work. We will also discuss the advantages and disadvantages of potential reforms to the way psychologists (and other scientists) conduct and report on research.

The details are subject to change, but some previous versions of my classes on open science (and similar others) have outlines available here: https://osf.io/vkhbt

EVALUATION

This is a seminar class where active participation will be important.

Evaluation will be based on active engagement, completion of assigned readings and small assignments, and one major capstone project and report.

TEXT

Most readings will be primary source documents (journal articles, chapters), but likely also some less formal scientific discussions (e.g., academic blogs, popular press) to stay as current as possible on issues of best research practice and controversies.