

# DEPARTMENT OF COGNITIVE SCIENCE

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**More Information:** <https://www.case.edu/artsci/cogs>

Cognitive science is the scientific study of the mind in a transdisciplinary framework. The Department of Cognitive Science at Case Western Reserve University is specifically dedicated to the study of human higher cognition, seeking to place cognitive science in an ecologically valid context. The department has programmatic interests in language and multimodal communication (including speech, gesture, second language learning, bilingualism, multimedia, and narrative), the use of data science to understand the human mind (including ethical considerations in the application of tools), the reciprocal shaping of cognition and institutions (e.g., money, law, religion), and how differences in experience (such as race, gender, culture, ideology) shape cognition. The department draws on methods of research in the biological sciences, social sciences, and the humanities. Its educational mission is to provide students with the best possible opportunity to integrate a wide variety of approaches and apply them to the study of those cognitive capacities that mark human beings as distinctive.

The department offers Bachelor of Arts and minor programs in Cognitive Science and a Master of Arts program in Cognitive Linguistics. By developing wide-ranging knowledge in multiple disciplines, our students can prepare for a variety of career options. Training in several disciplines will also provide increased choices for postgraduate study.

## Department Faculty

Fey Parrill, PhD  
(University of Chicago)  
*Professor and Chair*  
Co-speech gesture; teaching and learning; climate cognition

Todd Oakley, PhD  
(University of Maryland)  
*Professor*  
Cognitive linguistics; discourse analysis; attention

Yasuhiro Shirai, PhD  
(University of California, Los Angeles)  
*Professor*  
First- and second-language acquisition

Vera Tobin, PhD  
(University of Maryland)  
*Associate Professor*  
Cognitive linguistics, pragmatics, literature; evolution and development

Mark Turner, PhD  
(University of California, Berkeley)  
*Institute Professor*  
<http://markturner.org/>  
Higher-order cognition and creativity; conceptual integration

## Secondary Faculty

Daniela Calvetti, PhD  
(University of North Carolina, Chapel Hill)  
*James Wood Williamson Professor, Department of Mathematics, Applied Mathematics, and Statistics*

Angela Ciccio, PhD  
(Case Western Reserve University)  
*Associate Professor, Department of Psychological Sciences*

Fred Collopy, PhD  
(Wharton School of the University of Pennsylvania)  
*Professor (emeritus), Department of Design and Innovation, Weatherhead School of Management*

Heath A. Demaree, PhD  
(Virginia Institute of Technology)  
*Professor and Chair, Department of Psychological Sciences*

Robert L. Greene, PhD  
(Yale University)  
*Professor, Department of Psychological Sciences*

Peter Thomas, PhD  
(University of Chicago)  
*Professor, Department of Mathematics, Applied Mathematics, and Statistics*

Peter Whitehouse, MD, PhD  
(Johns Hopkins University)  
*Professor, Department of Neurology, CWRU School of Medicine*

## Emeriti

William E. Deal, PhD  
(Harvard University)  
*Severance Professor Emeritus in the History of Religion*  
Cognitive science of religion and ethics; Buddhist theory of mind

## Programs

- Cognitive Linguistics, MA
- Cognitive Science, BA
- Cognitive Science, Minor

## Dual Degrees

- Programs toward Graduate or Professional Degrees