

PSYC 5700 – COGNITIVE MODELING

Course	Cognitive Modeling
Instructor	Robert West
Term	Winter 2020
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Office Location	2209 Dunton Tower
Office Hours	Tuesdays - 10:00 AM to 12:00 PM

COURSE DESCRIPTION/INSTRUCTOR'S STATEMENT

This course will review the different types of cognitive models; how they work, what they are used for, and how to evaluate them. The models examined will include ACT-R, neural networks, holographic memory, spiking neurons, and deep belief networks. We will focus on how these models can be used to understand memory representation, learning, emotion, and the interaction between cognition and action. Students will not be required to actually build models.

EVALUATION

Class presentation - 25%

Final paper - 75%

TEXT

No textbook