This is a graduate level course. Junior or Senior undergraduates may sign up with consent of the instructor.

Description

This will be a Graduate Research Seminar covering basic and applied research relevant to the study of human expertise, human decision-making, as well as decision-making expertise. As a graduate research seminar, you are NOT expected to have prior familiarity with all domains covered, research designs used, statistical analysis methods, types of modeling, or so on but you will be expected to supplement the readings as needed (e.g., with the help of google, the Wikipedia, journal papers, and so on) to provide yourself with a minimal acquaintance as needed. Of necessity, as we are attempting to understand human expertise from a cognitive science perspective, about a third of our weeks will focus on leading edge cognitive science theories relevant to predictive processing, memory, decision-making, motor control, and other aspects of cognitive science. It will often be left up to us to make the connections btw those theories and skilled or expert task performance in particular domains. Although this seminar is being offered by the Cognitive Science Departments, students from all other departments of Rensselaer are invited and their contributions will be cherished. However, seats are limited so as to preserve the small group nature of the weekly discussions. Those outside of Cognitive Science should contact the instructor prior to registering. Finally, the syllabus may change during the semester with new readings being added and old ones pruned. Keep your eye on: http://homepages.rpi.edu/~grayw/courses/syllabi/nFa2019--Expertise&Decision-Making/ for more information.