Course Description: This is a seminar style course aimed at advanced graduate students in Electrical and Computer Engineering, Mechanical and Aerospace engineering, Computer, Information, Science, and Engineering, Chemical Engineering, Biomedical Engineering, Industrial and Systems Engineering, Mathematics and Statistics departments. Students from other departments are encouraged to register as well.

We will take seminal and important research papers from the recent literature on a variety of topics in the field of systems and control and its applications. Examples of topics include: learning and adaptive systems, networks and control, biomedical systems, etc. The final selection of papers will depend on the enrolled students and their interests.

Course grade will be based on a class project which will be due at the end of the semester. Examples of class projects include working on a new research problem, studying a coherent set of research papers, developing and implanting algorithms and/or simulations, etc. Students will be able to formulate their class projects with instructor’s approval.

Prerequisites: While there is no specific pre-requisite, solid grounding in mathematical analysis, linear algebra, signals and systems in expected. Please contact the instructor if you have questions regarding your preparation.