IE 598 Distributed Decision Systems

TR 5:00 pm-6:20 pm Online Lectures via Zoom

Instructor: Rasoul Etesami (etesami1@illinois.edu)

Office Hours, 4:00 pm-5:30 pm Fridays via Zoom.

Related Texts: Convergence Rate of Distributed Averaging Dynamics and Optimization

in Networks by A. Nedić

Markov Chains and Mixing Times by D. A. Levin and Y. Peres

<u>Distributed Control of Robotic Networks</u> by F. Bullo, J. Cortes, S. Martinez

TENTATIVE COURSE OUTLINE:

Lectures

Weeks 1
Weeks 2-3
Weeks 4-5
Weeks 6
Week 7
Week 8-9
Weeks 10-11
Weeks 12-end

Assignments:

- There will be 4 homework assignments which will be posted on every-three-week basis.
- Homework assignments will be posted on the Compass2g and will be due before the beginning of the lecture. **NO** late homework will be accepted.
- NO collaboration or other solution sources are allowed on the problems assigned for homework or exams. It is important to explain your solutions clearly as it may affect your grades.
- There will be one virtual presentation starting from mid April. Each student will be given a research paper and he/she should read it carefully and present it to the class in about 35 min.

Course Grade Composition:

Item	% of grade
Homework Problem Sets	75%
Final Presentation	25%