

Course Announcement

CSE 597A: Theory Seminar

Fall 2007

The Theory Seminar can now be taken and repeated for credit. It provides an opportunity to get exposed to cutting edge research in theoretical computer science, to learn to understand technical material from talks and to give technical presentations. Graduate students interested in doing research in algorithms, complexity theory, cryptography, quantum computing and related areas are strongly encouraged to attend.

Instructor: Sofya Raskhodnikova, sofya@cse.psu.edu

Time & Place: Tuesday, 11:00am-12:30pm, Room IST 333. On some weeks talks will be given as part of Departmental Colloquium MTW or F 10–11am.

Web Page: <http://www.cse.psu.edu/theory/seminar.html>

Intended Audience: Graduate students in Computer Science and Mathematics.
Undergraduates allowed with permission of instructor.

Description: Students and faculty will present their own work, open problems, or recent results from the literature. We plan to cover a variety of topics of interest to the members of the group: algorithms, combinatorics, complexity theory, computational learning theory, cryptography and quantum computing. The topics will be decided based mainly on the interests of the students who attend. Talks from students or faculty outside the theory group are welcome. For example, talks on theoretical analyses of data mining algorithms, generalization bounds in machine learning, or combinatorial properties of a networking protocol would all be appropriate.

Students who take the course for credit will be expected to attend the weekly talks and prepare and give a talk on a topic of their choice.