Schedule of classes:

Time: T, Th 10:30-11:45, Fall 2008
Room: Lawson 1106

Summary:

Pervasive Systems includes a study of wireless and mobile networking. Emerging research issues in distributed systems/database systems in pervasive environments will be investigated. Applications to smart spaces, sensors based monitoring; cellular phones will be implemented and evaluated. A major focus will be on the issues of security, reliability, privacy, and safety in medical, military, e-commerce, and multi-media applications. Student will learn to develop experiments.

Grading policy:

Students are expected to select a topic in depth and write software to conduct experimental evaluation, participate in discussion of papers assigned to others. A survey of research problems, and experiments will form a report on which the grade will be assigned. Class participation will contribute towards 25% of grade. Material for CS590B will be based on the text book

Reading materials:

Introduction to Wireless and Mobile Systems, by Dharma Prakash Agrawal and Qing-An Zeng, ISBN No. 0534-40851-6. Ongoing projects in Purdue (ECE and CS) and other universities such as UIUC, UCLA, and IBM will be selected for presentation.

Class Slides
Chap 01
Chap 02
Chap 03
Chap 04
Chap 05
Chap 06
Chap 07
Chap 08
Chap 12
Chap 13
Chap 14
Chap 15