

Tentative Syllabus**General Information**

Instructor:	Kuang-Ching Wang (kwang@clermson.edu) 308 Fluor Daniel Building, (864) 656-0846 Stan Birchfield (stb@clermson.edu) 207-A Riggs, (864) 656-5912
Lecture:	Mandatory weekly work group meetings with Instructor
Course webpage:	http://bb.clemson.edu , http://www.clemson.edu/~kwang/ci-s09
Prerequisites:	Above 3.0 overall and engineering GPA

Course Description

The broader mission of this CI team is to develop, maintain, and enhance a distributed video surveillance infrastructure based on wireless networked cameras on the Clemson campus. This project will build on the system already put in place by the Fall 2008 ECE 453 class and the Spring 2009 creative inquiry team.

All students enrolled in this course are required to collaborate as a team to tackle all aspects of the system development independently. While faculty advisors will provide high level guidance and a subset of specific requirements, the team as well as each individual is ultimately responsible for setting semester goals and ensuring that those goals are met. Once approved by the advisors, these goals will be the basis for grading each individual. The team is expected to acquire resources, make design decisions, implement and verify the solution independently. The instructors serve as a customer (providing product specifications) and a project manager (monitoring project progress and providing high level guidance). The team must identify, justify, and acquire (with consent from the instructor) any additional resources needed to complete the planned tasks.

Project Milestones and Grading (All due dates are final.)

Item	Responsible	Deliverable	Due date	% grade
Participation in planning and execution	Individual	Weekly work log	All semester	10
Goals specification document – states goals, deliverables, and Gant chart for the semester, both for the team and for each individual. Document needs to be officially accepted by instructors	Class	PDF document	9/2/2009 11:59pm	10
Problem analysis document – states detailed analysis of the relevant system components and use cases, problems that need to be resolved, and a solution plan with detailed milestones	Group	PDF document	9/16/2009 11:59pm	10
Component implementation and test documentation and demonstration – states final and completed implementation of relevant components and systematic tests of all use-cases.	Group	PDF document, source code, live demo, statistical analysis when appropriate.	10/21/2009 11:59pm	20

Final documentation. Include specification, analysis, component implementation and tests, and final deliverables.	Class	PDF document, source code, statistical analysis when appropriate.	11/24/2009 11:59pm	25
Final demonstration	Class	Live demo, oral presentation, supporting material.	12/3/2009	25
Total				100

Attendance Policy

Attendance at weekly work group meetings is absolutely mandatory. Excuses for absences must be adequately documented. Students are expected to wait for 10 minutes, should the professor be late; vice versa.

In addition to the mandatory weekly group meetings, lectures will be mostly given in forms of seminars or discussion sessions where the work groups present progress briefings, design challenges, discuss design alternatives, and answer instructor's questions.

Grading

The grading accounts for team achievement and individual efforts. No credit will be given if the final project is not completed or not functional. Grade for each deliverable is based on overall quality and individual efforts. Each document must precisely state each member's responsibility and respective efforts made in that regard. All documents and codes must be professionally prepared before they are accepted. Sloppy and poorly written codes and documents will be graded harshly, and may be asked to be rewritten until they meet professional standards.

Presentations are collaborative. Group/Class presentation can be given by one or multiple designated speakers, while all members must be prepared to answer all technical details regarding the group/class is responsible for. Credits will be given based on attendance, participation, and ability to answer questions from the instructor, the jury, and any students. Final presentation counts as a take home final exam.

Academic Honesty

The official statement of Clemson University on Academic Integrity: "As members of the Clemson University community, we have inherited Thomas Green Clemson's vision of this institution as a "high seminary of learning." Fundamental to this vision is a mutual commitment to truthfulness, honor, and responsibility, without which we cannot earn the trust and respect of others. Furthermore, we recognize that academic dishonesty detracts from the value of a Clemson degree. Therefore, we shall not tolerate lying, cheating, or stealing in any form." Students suspected of violating academic integrity will be reported.

Disability Services

The official statement of Clemson University on disability services: "It is University policy to provide, on a flexible and individualized basis, reasonable accommodations to students who have disabilities. Students are encouraged to contact Student Disability Services to discuss their individual needs for accommodation."