

CSCI 693: Research Methods in Computer Science

Abbreviated Syllabus for Fall Semester 2009

Visit <http://www.ecst.csuchico.edu/~juliano/csci693> for additional detail.

Prerequisites

- successful completion of *Graduate Writing Exam*
- successful completion of *Graduate Core* or *Concurrent Enrollment* (at least completed two core courses and concurrently enrolled in remaining two)

Description

3 units. This course represents the Culminating Experience for the Masters in Computer Science degree program. This course interweaves three distinct themes (investigation, experimentation, and technical writing) that culminate in a comprehensive research project, presentation, and oral defense. First, the students will be immersed into the research process within Computer Science. This includes an understanding of the role,

ethics, and responsibility of researchers in Computer Science. The second focus is on rigorous design of experiments for the purpose of testing research hypothesis, simulations and models, and interpreting the results of those experiments. Finally, proficiency in communication of scientific ideas and findings will be addressed, from intensive reading, critiques, technical writing, and oral presentations.

“Truth is sought for its own sake. And those who are engaged upon the quest for anything for its own sake are not interested in other things. Finding the truth is difficult, and the road to it is rough.”

Ibn al-Haytham (Alhazen, 965-1039), in *Critique of Ptolemy*

Class #	Section	Act	Days	Time	Room	Instructor(s)
3338	CSCI 693-01	DIS	R	17:30-20:20	OCNL 121	Dr. J Juliano@csuChico.edu

Instructor Information

Dr. Juliano (a.k.a. Dr. J)
<http://www.ecst.csuchico.edu/~juliano>

Office Hours: OCNL 222 (*days/times published online*)
Tel 530 898-4619 / 6442 (dept)
Fax 530 898-5995
Appointments / walk-ins welcome.

Recommended Reference



Writing for Computer Science, 2/e.
Justin Zobel, 2004.
Springer, New York, NY.
ISBN 978-1-85233-802-2

Additional Requirements

1. Unless otherwise specified, each deliverable is expected to be individual (as opposed to group) work – unauthorized collaboration is not allowed and will be severely treated as a violation of academic integrity. Students are expected to familiarize themselves with Dr. J's general policies and expectations detailed at [/~juliano/Teaching/Policies.html](http://~juliano/Teaching/Policies.html) – particularly those dealing with *Academic Integrity*.
2. Although the Zobel book is not required (it is only recommended as a reference), students are responsible for developing/improving their

technical writing/presenting skills as supplemented by activities in this class. It is the students' responsibility to take advantage of services provided by the *University Writing Center* (Student Services Center, Room 340). The Center has writing tutors (available by appointment) who can assist students with their writing.

3. Students are expected to maintain and regularly check their *Chico State Connection* (CSC) Portal (see <http://portal.csuchico.edu>) account in order to access up-to-date *BB Vista* tools that include an on-line calendar of events, current scores, discussion board, etc.
4. Oral presentations will be required throughout the semester, with a majority to be scheduled toward the end of the semester. Formal presentations will be scheduled near finals week, and possibly during our **Final Exam** slot scheduled on **Thurs., Dec. 17, 6:00-7:50 p.m.**

Grade Evaluation

55%	Written reports/projects, deliverables.
35%	Oral presentations
10%	Class participation (<i>Note: 10% taken off for each class missed</i>)

See the on-line syllabus for details of final grade calculation.

Additional Information

<http://www.ecst.csuchico.edu/~juliano/csci693/>
<http://www.ecst.csuchico.edu/~juliano/Papers/>
<http://www.csuchico.edu/library/>
<http://www.csuchico.edu/uwcl/>
<http://vista.csuchico.edu/>