

Evaluation of Teaching and Advising

Courses Taught with Evaluations

Academic Year	Fall Semester			Spring Semester		
	Course	Overall Teaching Effectiveness Evaluation	Enrollment	Course	Overall Teaching Effectiveness Evaluation	Enrollment
1993-1994	SIE 377	4.2	30	SIE 230	3.2	89
	SIE 431/531	4.1/4.6	36/9	SIE 431/531	4.1	30/3
1994-1995	SIE 377	4.4	26	SIE 631	4.5	7
	SIE 431/531	3.9	23/15	SIE 431/531	4.2	30/5
1995-1996	SIE 377	4.4	33	SIE 305	4.3	40
	SIE 431/531*	4.7	11/9	SIE 486/586	4.4	17/5
1996-1997	SIE 562	4.6	8	SIE 305†	4.6	14
	SIE 431/531	4.7	25/8	SIE 431/531	4.5	16/6
1997-1998	SIE 377	4.4	25	SIE 370‡	3.4	30
	SIE 431/531	4.7	22/4	SIE 431/531	4.6	8/15
	SIE 531 - Hughes	4.5	16			
1998-1999	SIE 431/531	4.4/5.0	23/9	SIE 431/531	4.4/5.0	5/9
				SIE 562	4.7	9
				SIE 531 - Raytheon	4.8	11
1999-2000	SIE 431/531	4.6	24/12	SIE 431/531	4.8/4.8	14/17
	SIE 531 - Raytheon	4.6	14	SIE 562	4.4	19
2000-2001	SIE 431/531	4.8	51	BA-204	3.9	80
	SIE 462	4.2	18			
2001-2002	SIE 431/531	4.8	49			
	SIE 462	4.44	34			

* Taught on Video-Campus/NTU

† Team taught with Julie Hagle, Ciarallo responsible for 50% of lectures

‡ Team taught with Jack Lyon, Ciarallo primarily responsible for lab

Course Titles: (a "+" indicates a required course for undergraduates)

SIE 230/305+: Introduction to Engineering Probability and Statistics

SIE 370+: Design of Computer Systems

SIE 377+: Software for Engineers

SIE 431/531+: Simulation Modeling and Analysis

SIE 462+ Production System Analysis

SIE 562: Advanced Production Control

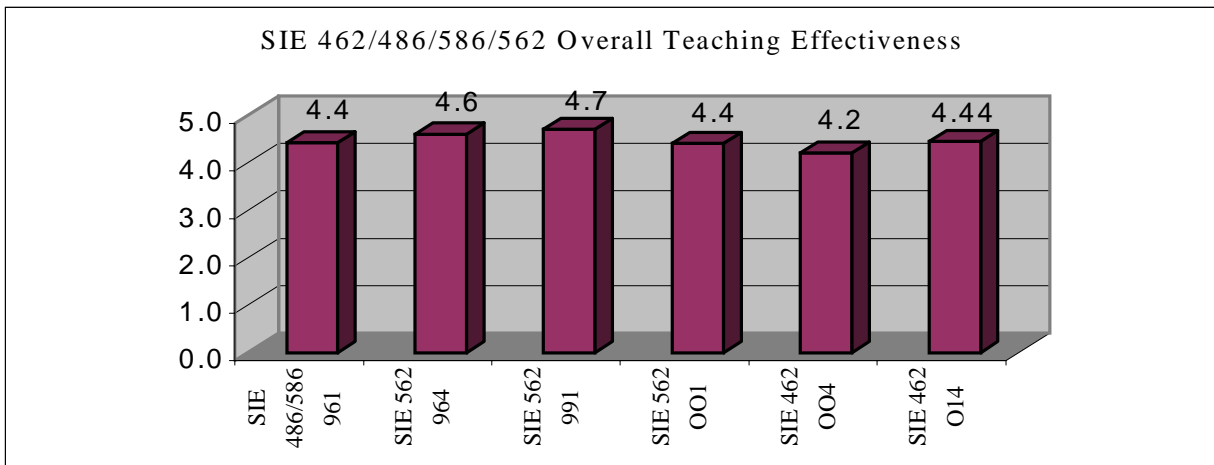
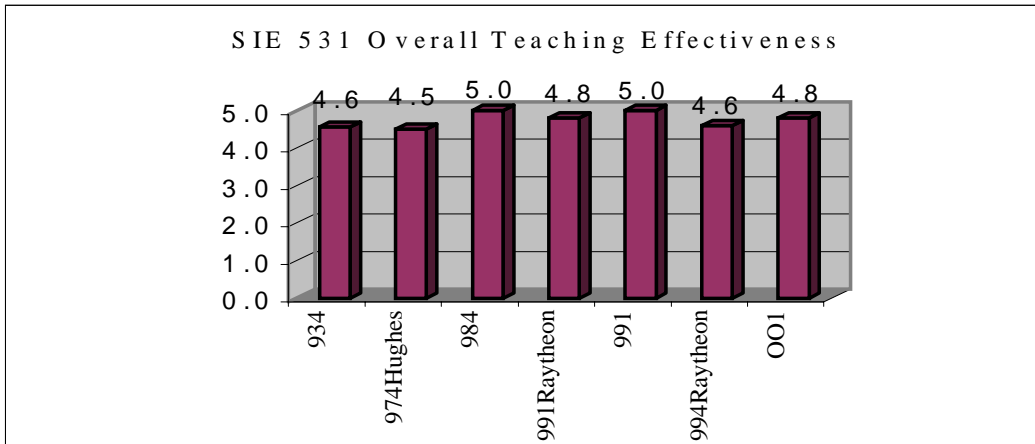
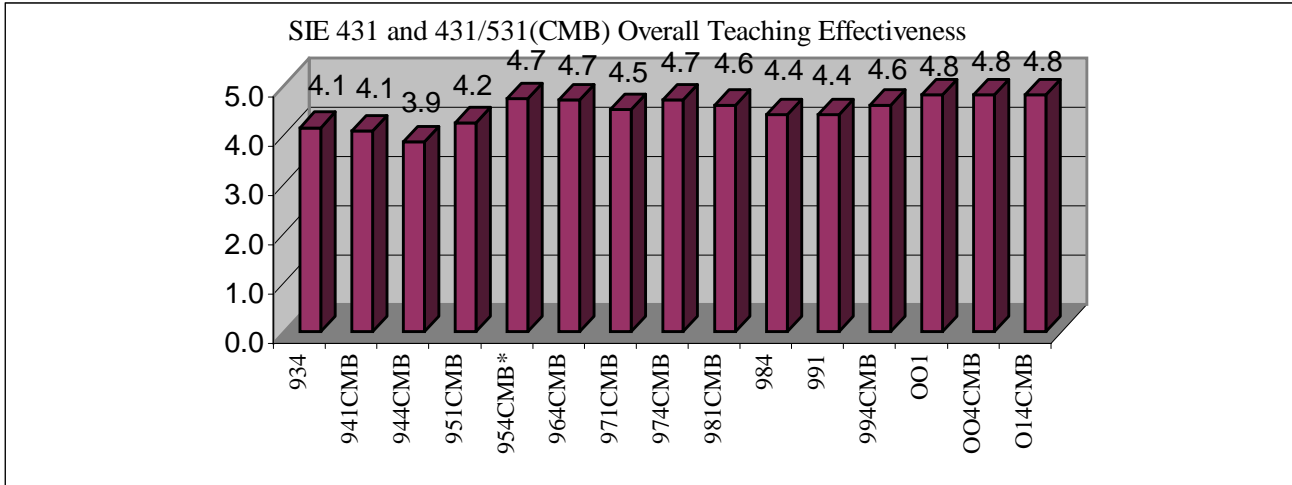
SIE 486/586: Modeling Manufacturing Systems

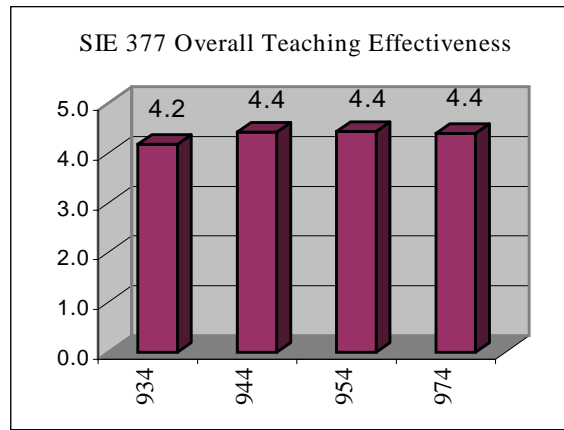
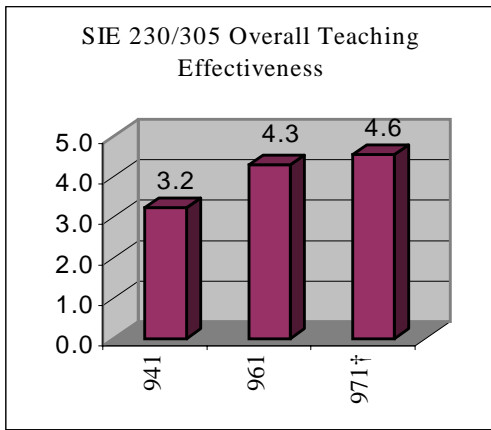
SIE 631: Topics in Simulation

BA 204: Intro. to Operations Management (UC - Berkeley)

Summary of Student Evaluations of Teaching Effectiveness

The following data, for each course, is the mean score on the overall teaching effectiveness item from the Teacher/Course Evaluations administered at the end of the semester and compiled by Instructional Assessment and Evaluation Services. The students are asked to rate the question “What is your overall evaluation of this teacher’s effectiveness?” on a range of “almost always effective (5)” down to “almost never effective (1).” 9X1 refers to the Spring semester in year 199X. 9X4 refers to the Fall semester in year 199X. In some semesters, the evaluations for 431/531 were combined (CMB) and in others the 431 (undergraduate) and 531 (graduate) student responses were tallied separately.





Notes:

* SIE 431/531 in 954 was taught on Video-Campus and NTU

† SIE 305 in 971 was team taught with SIE Professor Julie Hagle, 50% of lectures. The evaluation was combined for both lecturers.

Teaching Awards and Grants

Academic years 1994-95, 1996-97, 1998-99, 1999-2000 Award for Excellence at the Student Interface, Systems and Industrial Engineering, The University of Arizona

“SIE Instructional Computing Lab”, University of Arizona Instructional Computing Small Grant Program, PI (100%), \$20,000, January 1996

“Borland Curriculum Grant” (#0129), 15 licenses each for *Borland C++* and *Delphi* software, Approximate value: \$3000, June 1997

“SIE Undergraduate Lab Upgrade”, College of Engineering & Mines, Co-PI (50%), \$30,000, April 1998

“Grant for *DPL* and *ProModel* software for use in the Raytheon/SIE Masters Program”, Raytheon Co., \$3319, August-October 1998

Individual Student Contact

Undergraduate Advisees

B.Sc. Systems/Software Option advisor, 1994-1997: Approximately 7-10 students per year

Honors Students/Independent Studies

Brian Carson, “SIE Instructional Computing Lab”, Independent Study, December 1996

Under the direction of Frank Ciarallo, SIE students Dan Halden, Bill Nassauer, Jeff Stewart and Cristina Barreras submitted an entry in the 1997 IIE/Systems Modeling Student Simulation Competition

Koichi Takagi, "A Fuzzy Logic Controller for the Theater Arts Motion Control System Using the Motorola 68HC12", Honors Independent Study, May 1999

Ph.D. Graduates

Christopher C. Yang, (ECE), Co-Advisor (50%) with M. Marefat from ECE. Dissertation Title: "CAD-Based Active Vision Inspection, Accuracy Analysis, and Tolerance Design", August 1997, Current Position: Assistant Professor in the Dept. of Computer Science at The University of Hong Kong, Hong Kong

M.S. Report/Thesis/Paper Students Supervised/In Progress

Kevin Crosby, Masters Thesis, ECE, (Co-Advisor, 50%, with M. Marefat from ECE), "Visual Inspection Planning with Error Reduction (VIPER)", June 1997

Peter Heath/Kevin Matthies, (Co-Advisor, 50%, with Jeff Goldberg), "Distributed Processing Performance Predictor", March 1998

David Schmutz, "Integrated Test Equipment Metric System for Software", April 1998

Bob Futch, "Simulation and Analysis of Dual Model Production for Rolling Airframe Missile", April 1998

Jim Entwistle, (Co-Advisor, 50%, with Pitu Mirchandani), "Communication Planning and Optimization", April 1998

Kris Nabours, "Simulation and Analysis of Target Detection Device Production Methods", November 1998

Bharathram Sundaraman, “ARENA Based Simulation of a Perturbation Analysis Approach to Traffic Signal Optimization”, July 1999

Karnum Shashidar, “A Computational Study of Heuristics for Production Planning of Semiconductor Sets”, August 1999

Jennifer Horne, "Transitioning from Research and Development to Production", November 1999

Sandrine Buyschaart, "Simulation of Intermodal Transfer Facilities at BNSF", August 2000

Veritas Bennett, "Analysis of Guidance Section Production at Raytheon Missile Systems, August 2000

Amy Lynne Ruhle/Randy Burgess, "Analysis of Final Assembly and Check-out Operations at Raytheon Missile Systems", August 2000

Sridhar Sundaram, "Multiple Item Production Systems with Random Machine Failures", May 2000