

Program Outcomes and School-Wide Assessment Methods
Program: Civil Engineering
(DRAFT 5/04/05)

Program Outcomes	Course Embedded Assessment *	Senior Design Course **	FE Exam ***	Senior Exit Surveys	Alumni Surveys
a. An ability to apply knowledge of mathematics, science and engineering	CE 321 CE 351 CE 367	X	X	X	X
b. An ability to design and conduct experiments, as well as to analyze and interpret data	EGR 360 CE 371 CE 376	X		X	X
c. An ability to design a system, component, or process to meet desired needs	CE 315 CE 362 CE 442	X		X	X
d. An ability to function on multi-disciplinary teams	EGR 110	X		X	X
e. An ability to identify, formulate, and solve engineering problems	CE 315 CE 351 CE 362	X	X	X	X
f. An understanding of professional and ethical responsibility	EGR 110 CE 367	X	X	X	X
g. An ability to communicate effectively	CE 371 CE 376 EGR 110	X		X	X
h. The broad education necessary to understand the impact of engineering solutions in a global and societal context	CE 300	X		X	X
i. A recognition of the need for, an ability to, engage in life-long learning	CE 300	X		X	X
j. A knowledge of contemporary issues	EGR 351	X		X	X
k. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice	EGR 112 CE 324 CE 362 CE 401	X		X	X
l. An ability to develop a sense of personal, social and moral responsibility				X	X