

Consistency between Student learning Outcomes and Program Objectives

Code
MUP04

College: **Engineering** Department: **Civil and Environmental Engineering** Program: **Civil Engineering**

			<i>CE Program Objectives</i>				
			Provide latest engineering education and state of the art research	Demonstrate graduates commitment to life-long learning	Produce graduates of high quality engineering skills of ethical and professional standards	To educate students to take leadership roles in identifying emerging issues	Encourage graduates in private and public activities
Student Learning Outcomes	A	a1					
		a2					
		a3					
	B	b1					
		b2					
		b3					
	C	c1					
		c2					
		c3					
	D	d1					
		d2					
		d3					
	E	e1					
		e2					

- (A) knowledge
- (B) cognitive skills
- (C) interpersonal skills and responsibility
- (D) communication, information technology and numerical skills
- (E) Psychomotor skills (NA)

Domain	CODE	Student Learning Outcomes
A	a1	An ability to apply principles of engineering, mathematics, and science in application of Engineering & Technology.
	a2	An ability to demonstrate <i>knowledge of contemporary engineering issues</i>
	a3	An ability to use engineering skills, tools and techniques necessary for engineering practices
B	b1	An ability to conduct experiments and interpret the results
	b2	An ability to design engineering system to meet specific needs.
	b3	Ability to model engineering problems.
C	c1	An ability to take roles in collaborative teams.
	c2	An ability to take professional and ethical responsibility.
	c3	
D	d1	An ability to present technical & communication skills effectively
	d2	An ability to account for environmental, economic and safety factors in solving engineering problems
	d3	An ability to engage in life-long learning.
E	e1	NA
	e2	
	e..	

N	<i>CE Program Objectives</i>
1	To provide latest engineering education and state of the art research to solve important civil engineering problems and address technological challenges of the future.
2	To produce graduates to demonstrate commitment to lifelong learning and professional development through seeking professional licensure, pursuing higher studies, and participating in certified continuing education activities.
3	To produce graduates of high quality engineering skills of ethical and professional standards to develop safe, efficient and environment friendly civil engineering projects and designs.
4	To educate students to take leadership roles in identifying emerging issues of the community and to develop innovative solutions to the engineering challenges.
5	Encourage graduates in private and public activities to achieve consolidated progression in their careers by participating in skilled continuing education activities.