

COURSE LEARNING OUTCOMES MATRIX

PROGRAMME : SKEE, SEE, SKEL, SEL
 COURSE CODE & NAME : SKMU2113

No.	Course Learning Outcomes (CLO)	Programme Learning Outcomes (PO)												Learning Taxonomy	Delivery (Teaching Methods)	Assessment	Key Performance Indicators/ Index
		Engineering Knowledge	Conduct Experiment and Research	Problem Solving	Modern Tools Utilization	Design Solutions	Communication	Team Work	Life Long Learning	Professional Engineering	Sustainability	Professional Ethics & Society	Management, Finance & Entrepreneurship				
		1	2	3	4	5	6	7	8	9	10	11	12				
1.	Identify loads and reactions of rigid body.	3(ii)												C2	Lectures, Active Learning	Quiz/ Assignment, Test	KPI for CLO: 50% of the students score marks of 65% or higher
2.	Determine the mechanical properties of solid materials which relate their strengths and deformations	3(ii)												C3			
3.	Calculate the internal stresses and strains due to the external axial, torsional, and transverse loads.	3(ii)		2										C3			
4.	Solve problems related to statically determinate structures.	3(ii)		2										C4			

5.	Explain the basic concepts of thermodynamics, energy, energy transfer and laws of thermodynamics	3(ii)												C2	Lectures, Active Learning	Quiz/ Assignment, Test	KPI for CLO: 50% of the students score marks of 65% or higher
6.	Determine the thermodynamics properties based on property tables, equations of states and charts	3(ii)												C3			
7.	Analyze closed and open thermodynamics systems using the first law of thermodynamics	3(ii)		2										C4			
	OVERALL	3(ii)		2													

Key:

3 = major contribution to outcome; 2 = moderate contribution to outcome; 1 = minor contribution to outcome

*Programme Learning Outcomes (PO) are set by Faculty of Electrical Engineering.