

THE UNIVERSITY OF HONG KONG

Template for Mapping of Programme Learning Outcomes to University Educational Aims

Faculty of Engineering

Programme title: MSc(Eng) in Infrastructure Engineering and Management (IEM)

Applicable student cohort(s): 2025-26 and thereafter

The purpose of mapping is to illustrate the coherence of the programme in achieving the University Educational Aims (UEAs). The mapping should be an evaluative and reflective process, and the Faculty must ensure that the programme as a whole offers students sufficient opportunities to develop the attributes articulated in each of the UEAs and the corresponding Institutional Learning Outcomes. *Please put a tick (√) in the boxes under the UEA columns below to indicate the alignment, as applicable.*

Programme Learning Outcomes (PLOs)	Alignment with University Educational Aims (UEAs)*					
	Benchmarked against the highest international standards, the undergraduate programmes at HKU are designed to enable students to develop capabilities in:					
	UEA1 Critical intellectual enquiry and acquiring up-to-date knowledge and research skills in a discipline/profession	UEA2 Application of knowledge and research skills to practice or theoretical exploration, demonstrating originality and creativity	UEA3 Tackling novel situations and ill-defined problems	UEA4 Collaboration and communication of disciplinary knowledge to specialists and the general public	UEA5 Awareness of and adherence to personal and professional ethics	UEA6 Enhancement of leadership and advocacy skills in a profession
PLO1: M1. Science, mathematics and engineering principles	√					
PLO2: M2. Problem analysis	√		√			
PLO3: M3. Analytical tools and techniques		√				

PLO4: M4. Technical literature	√					
PLO5: M5. Design		√				√
PLO6: M6. Integrated/Systems approach			√			
PLO7: M7. Sustainability			√		√	
PLO8: M11. Equality, diversity and inclusion					√	
PLO9: M12. Practical and workshop skills		√	√			
PLO10: M13. Materials, equipment, technologies and processes	√	√				
PLO11: M14. Quality Management					√	
PLO12: M15. Engineering and project management					√	√
PLO13: M16. Teamwork				√		√
PLO14: M17. Communication				√		√

*The Institutional Learning Outcomes for each UEA can be found at tl.hku.hk/tl/.