THE UNIVERSITY OF HONG KONG

Template for Mapping of Programme Learning Outcomes to University Educational Aims – Taught Postgraduate Programmes

Faculty of Science

Programme title: Master of Science in Integrative Marine Ecology and Conservation; MSc(IMEC)

Applicable student cohort(s): students admitted in 2024-2025 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 taught postgraduate 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 *(for professional programmes only)*
PLO1: Understand the science underpinning the process that apply to the assessment, conservation and management of biodiversity and marine resources.	√					
PLO2: Illustrate a clear understanding of the policies that govern marine resources and their impact on the marine resource extraction as well as environmental management	√			√	√	

PLO3: Analyze technological and cultural factors worldwide that influence the direction of biodiversity research, marine resource extraction, and marine resource management.	√	√		√	√	√
PLO4: Interpret biodiversity data (trend analyses, genomic analyses) and relate it to the mission of conservation and sustainability.	√	√		√		
PLO5: Apply a fundamental knowledge of marine resource use based on trade routes, environmental economics and international law.	√					
PLO6: Apply independent thinking and integration of knowledge gained to conduct a small research project that has practical application to the development of ecological civilizations.	√	√				
PLO7: Assess the global market for marine resource production and trade in order to improve sustainability and ensure ecosystem services.			√			
PLO8: Formulate systematic and logical approaches to global marine resource trade tracking and regulation using modern approaches.			√			√
PLO9: Generate forward thinking solutions to marine ecosystem conservation and restoration with a focus on the conservation of biodiversity and ecosystem services			√			√

PLO10: Practice collaborative skills and interpersonal dynamics through case studies related to global issues, group projects and exercises.				√		
PLO11: Interpret industry/professional/research ethics and respect intellectual property rights.					√	√

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