THE UNIVERSITY OF HONG KONG

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

Faculty of Social Sciences

Programme title: (Second) Major in Geospatial Data Science

Applicable student cohort(s): 2025/26 cohort 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 Pursuit of academic/ professional excellence, critical intellectual inquiry and life-long learning	**UEA2** Tackling novel situations and ill-defined problems	**UEA3** Critical self-reflection, greater understanding of others, and upholding personal and professional ethics	**UEA4** Intercultural communication, and global citizenship	**UEA5** Communication and collaboration	**UEA6** Leadership and advocacy for the improvement of the human condition
PLO1: Identify and describe new forms of data and transformational advances in spatial data capture, analytical techniques, geospatial applications, and visualization to understand human behaviors and present research outcomes		√			√	

in aesthetically captivating ways						
PLO2: Carry out state-of-the-art spatial data analytic techniques combined with an in-depth understanding of diverse environmental and social issues (by means of field/laboratory/individual- and team-based learning, research projects, presentations and capstone experiences as relevant)	√	√		√		
PLO3: Critically dissect the ethical issues surrounding big data, spatial data, and the increasing use of algorithms in policymaking and governance applications and decisions			√			√
PLO4: To gain in-depth knowledge of how big data and spatial data can be applied to solve real world problems		√		√		√
PLO5: To understand the advantages and limitations of using big data and spatial data approaches			√			√
PLO6: To gain the academic foundation and requisite industry skills necessary to pursue professional certifications in GIS and related fields.	√		√		√	√

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