

Double Master Degree Programme:
Master of Science in Operational Research and Business Statistics
(Hong Kong Baptist University)
Master of Science in Business Analytics1
(University of Kent)

Programme Intended Learning Outcomes (PILOs)

The programme aims to develop operational research and business statistics practitioners and provide expertise in the effective management of business analytics. By the end of the programme, the students should be able to:

1. explain the fundamental principles of operational research and business statistics in general;
2. analyze practical operational research and business statistics problems scientifically and apply suitable methods and software packages to solve the problems;
3. communicate scientific knowledge and findings in oral and written form effectively and professionally; and
4. evaluate the impact and the diverse applications of operational research and business statistics in modern business.

Alignment of PILOs to the HKBU Graduate Attributes

HKBU has identified six Graduate Attributes for Taught Postgraduate Graduates. On graduation, HKBU Taught Postgraduate graduates should have:

1. Knowledge
Mastery of knowledge of their academic specialty or profession that is in-depth, advanced and up-to-date and be able to apply the knowledge to their profession or disciplines.
2. Creativity
The ability to evaluate and apply knowledge to make critical and independent judgement, and provide creative and innovative solutions to problems.
3. Skills
The ability to apply appropriate theories, methodologies and techniques for professional or disciplinary advancement in their fields.
4. Learning
An on-going interest and capability in continuous learning for the purpose of tackling the complexities in their professional field or discipline through inquiry and critical reflection.
5. Communication
The ability to synthesize and articulate ideas clearly, coherently, and in a logical way, with fluent communication skills.
6. Citizenship
A sense of upholding professional ethics and social responsibility consistent with their roles as local and global citizens.

Graduate Attributes – PILOs Mapping Matrix

PILOs/ HKBU Graduate Attributes (GAs)	GA1	GA2	GA3	GA4	GA5	GA6	<i>No. of GAs addressed by this PILO</i>
PILO1	✓		✓	✓			3
PILO2		✓	✓	✓			3
PILO3				✓	✓		2
PILO4		✓	✓			✓	3
<i>No. of PILOs addressing this GA</i>	1	2	3	3	1	1	

Course Mapping of Programme Intended Learning Outcomes

	Core Courses										Elective Courses										Dissertation		
	ORBS7010	ORBS7030	ORBS7040	ORBS7070	ORBS7080	ORBS7120	ORBS7250	ORBS7260	ORBS7290	ORBS7020	ORBS7090	ORBS7110	ORBS7130	ORBS7140	ORBS7160	ORBS7200	ORBS7210	ORBS7220	ORBS7280	ORBS7300	ORBS7231	ORBS7232	
PILO1	✓			✓	✓		✓	✓	✓	✓	✓	✓			✓				✓				
PILO2	✓	✓	✓		✓	✓	✓	✓					✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
PILO3									✓	✓							✓				✓	✓	
PILO4		✓	✓	✓		✓		✓				✓	✓		✓	✓	✓	✓	✓	✓			