

New Course Structure for Master of Biostatistics, 2016-

Table 1: Uni Melb Master of Biostatistics (150 point degree)

Core	Core	Capstone	Electives
Six core subjects (5 face-to-face, 1 online; 2 existing subjects, 4 new subjects)		Required for Masters Degree (Two pathways available: 25 points research project or 12.5 point research project plus elective subject Survival Analysis (meets capstone requirement)	Choose 4 electives from 13 existing subjects
Year 1, Semester 1	Year 1, Semester 2	Year 2, Semester 1	
POPH90148 Probability & Distribution Theory (BCA partner, online subject)	MAST90102 Linear Regression (UoM – MSPGH, on campus) (new subject, replacing BCA’s LMR, POPH90120)	POPH90151 Biostatistics Research Project – D (25 pt, 1 semester) (UoM – MSPGH, on campus) Or POPH90125 Biostatistics Research Project – L (2×12.5 pt, 2 semesters) (UoM – MSPGH, on campus)	POPH90122 Survival Analysis (BCA partner – online subject) † Available as an elective for students doing 25 point research project.
MAST90101 Introduction to Statistical Computing (UoM – MSPGH, on campus) (new subject, replacing BCA’s DMC, POPH90018)	MAST90099 Categorical Data: Models and Methods (UoM – MSPGH, on campus) (new subject, replacing BCA’s CDA, POPH90121)	POPH90125 Biostatistics Research Project – S (12.5 pt) (UoM – MSPGH, on campus) and POPH90122 Survival Analysis (12.5 pt) (BCA – online subject; capstone selective)	POPH90117 Health Indicators and Health Surveys (BCA partner – online subject)
POPH90014 Epidemiology 1 (UoM – MSPGH, on campus)	<i>Elective</i>	<i>Elective</i>	POPH90123 Longitudinal and Correlated Data (BCA – online subject)
MAST90100 Inference Methods in Biostatistics (UoM –MSPGH, on campus) (new subject, replacing BCA’s PSI, POPH90017)	<i>Elective</i>	<i>Elective</i>	POPH90119 Design of Randomised Controlled Trials (BCA partner – online subject)
			POPH90118 Clinical Biostatistics (BCA partner – online subject)
			POPH90139 Bayesian Statistical Methods (BCA – online subject)
			POPH90124 Bioinformatics (BCA – online subject)
			MAST90027

			The Practice of Statistics (UoM - School of Mathematics and Statistics)
			MAST90083 Computational Statistics and Data Mining (UoM - School of Mathematics and Statistics)
			POPH90242 Epidemiology 2 (UoM - MSPGH)
			COMP90041 Programming and Software Development (UoM - Melbourne School of Engineering)
			INF090002 Database Systems & Information Modelling (UoM - Melbourne School of Engineering)
			ISYS90069 eHealth and Biomedical Informatics Systems (UoM - Melbourne School of Engineering)

MSPGH – Melbourne School of Population and Global Health; BCA – Biostatistics Collaboration of Australia; BCA partner – delivered by one of the BCA partner institutions instead of UoM.