

# PROGRAMME STRUCTURE

MASTER OF SCIENCE IN STATISTICS SESSION 2021/2022 (42 CREDITS)		
1. COMPULSORY COURSES (26 CREDITS)		
COURSE CODE	COURSE NAME	CREDITS
SQB7001	Research Methodology for Statistics	3
SQB7002	Research Project for Statistics	10
SQB7003	Statistical Inference	4
SQB7004	Probability Theory	4
SQB7005	Statistical Laboratory	2
SQB7006	Statistical Consultancy and Data Analysis	3
2. ELECTIVE COURSES (16 CREDITS)		
COURSE CODE	COURSE NAME	CREDITS
SQB7007	Multivariate Analysis	4
SQB7008	Stochastic Models	4
SQB7009	Bayesian Statistics	4
SQB7010	Decision Statistics	4
SQB7011	Generalized Linear Models	4
SQB7012	Experimental Design and Quality Engineering	4
SQB7013	Statistical Time Series	4
SQB7014	Risk Theory	4
SQB7015	Stochastic Processes in Finance	4
SQB7016	Computer Intensive Methods	4
SQB7017	Robust Statistics	4
SQB7018	Statistical Methods in Bioinformatics	4
SQB7019	Data Mining	4
SQB7020	Survival Data Analysis	4
SQB7021	Epidemiology Modelling	4

## RESEARCH PROJECT FOR STATISTICS

1. Students must secure the agreement to supervise from an academic staff of the programme before registering for this course.
2. Students need to register for research project (5 credits hours per semester) online for two consecutive semesters.
3. Students need to fill in the project registration form (can be downloaded from ISM website) and submit the form to Mdm. Fatin Amirah Binti Nordin (Office, ISM; fatinamirah@um.edu.my).
4. Students must keep a record of meeting (with supervisor's signature) which will be submitted together with the notice of submission at the end of the project.
5. Students will present their progress report (15 minutes) at the end of phase I (P1) of the project. Subsequently, they will give a 30-minute presentation at the end of phase 2 (P2), and submit a written report for evaluation. The final submission consists of 2 hard-bound copies.
6. Students must complete the project in two semesters only. Otherwise, they will be awarded grade F, and will be required to the research project again.