

# PROGRAMME STRUCTURE

<b>MASTER OF SCIENCE IN STATISTICS SESSION 2022/2023 (42 CREDITS)</b>		
<b>1. COMPULSORY COURSES (27 CREDITS)</b>		
<b>COURSE CODE</b>	<b>COURSE NAME</b>	<b>CREDITS</b>
SQB7022	Research Methodology for Statistics	3
SQB7023	Research Project in Statistics	10
SQB7024	Statistical Inference	4
SQB7025	Probability Theory	4
SQB7026	Programming in Statistics	3
SQB7027	Statistical Consultancy and Data Analysis	3
<b>2. ELECTIVE COURSES (15 CREDITS)</b>		
<b>COURSE CODE</b>	<b>COURSE NAME</b>	<b>CREDITS</b>
SQB7028	Multivariate Analysis	3
SQB7029	Stochastic Models	3
SQB7030	Bayesian Statistics	3
SQB7031	Generalized Linear Models	3
SQB7032	Experimental Design and Quality Engineering	3
SQB7033	Statistical Time Series	3
SQB7034	Computer Intensive Methods	3
SQB7035	Robust Statistics	3
SQB7036	Data Mining	3
SQB7037	Survival Data Analysis	3

## **RESEARCH PROJECT IN 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.