Department of Mathematics

Sample Study Plan for Major in Quantitative Finance (SEP in year 3 sem 1 or year 3 sem 2)

(For students matriculated in AY2021/2022 or after)

College of Humanities and Sciences

Year 1		Year 2		Year 3		Year 4	
Sem 1	**Sem 2**	**Sem 1**	**Sem 2**	**Sem 1**	**Sem 2**	**Sem 1**	**Sem 2**
HSA1000 Asian Interconnections HSH1000 The Human Condition HSI1000 How Science Works, Why Science Works HSS1000 Understanding Social Complexity		Scientific Inquiry II	Artificial Intelligence	UE1	UE6	Interdisciplinary I	Communities and Engagement
		Digital Literacy (CS1010S)	MA2213 Numerical Analysis I	UE2	UE7	QF4102 Financial Modelling and Computation	QF4104 Project in Quantitative Finance and Fintech
Data Literacy DTK1234 Design Thinking		Writing (SP1541)	QF3103 Advanced Mathematics in Quantitative Finance	UE3	UE8	QF4103 Mathematical Models of Financial Derivatives	Interdisciplinary II
MA2002 Calculus	MA2001 Linear Algebra I	MA2104 Multivariable Calculus	QF2103 Computing for Quantitative Finance	UE4	UE9	One of the following modules: QF4205, DSE4211, DSE4212	UE11
QF1100 Introduction to Quantitative Finance	MA2116/ST2131 Probability	QF2104 Fundamentals of Quantitative Finance	QF3101 Investment Instrument and Risk Management	UE5	UE10	ST3131 Regression Analysis	UE12

Note: 1. Recommended semester for SEP is year 3 semester 1 or year 3 semester 2.

2. To find out how HSA1000, HSH1000, HSI1000, HSS1000 are pre-allocated, click here.

3. Students have to complete all CHS Common Curriculum courses in their first two years except for the following 3 courses:
   - Communities and Engagement course – can be taken from Years 2 to 4
   - Two Interdisciplinary courses – can be taken in Years 3 and 4

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