Department of Mathematics

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

(For students matriculated in AY2021/2022 or after)

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	UE3	Interdisciplinary I	Interdisciplinary II	QF4104 Project in Quantitative Finance and Fintech
		Digital Literacy (CS1010S)	Communities and Engagement	UE4	UE8	QF4102 Financial Modelling and Computation	UE9
Data Literacy DTK1234 Design Thinking		Writing (SP1541)	UE2	UE5	QF3103 Advanced Mathematics in Quantitative Finance	One of the following modules: QF4205, DSE4211, DSE4212	UE10
UE1	MA2001 Linear Algebra I	MA2104 Multivariable Calculus	MA2213 Numerical Analysis I	UE6	QF2103 Computing for Quantitative Finance	QF4103 Mathematical Models of Financial Derivatives	UE11
QF1100 Introduction to Quantitative Finance	MA2002 Calculus	MA2116/ST2131 Probability	QF2104 Fundamentals of Quantitative Finance	UE7	QF3101 Investment Instrument and Risk Management	ST3131 Regression Analysis	UE12

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

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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