

Subject Code	COMP5702
Subject Title	Financial Technologies
Credit Value	3
Level	5
Pre-requisite / Co-requisite/ Exclusion	Nil
Objectives	The objective of this subject is to introduce students the evolution of financial technologies and how it is changing the landscape for banking and other financial services. Students will learn more about new companies and software with innovative financial applications in securities, bonds, foreign exchange, retail lending and SME lending.
Intended Learning Outcomes	<p>Upon completion of the subject, students will be able to:</p> <ol style="list-style-type: none"> Understand how the impact of technologies and regulations is on financial services and the drivers behind this; and Understand the major security threats to FinTech and the countermeasures to mitigate the corresponding attacks; and Understand the key financial, economic and technological issues and challenges in FinTech; and Analyze and develop new business strategies in the FinTech space and assess their impact on the future of financial services.
Subject Synopsis/ Indicative Syllabus	<ul style="list-style-type: none"> • Overview of FinTech and creative disruption • Cybersecurity • Payment and infrastructure • Virtual currencies and alternative finance • Operation and risk management • Customer interface and user experience • Regulatory challenges • New markets and opportunities
Teaching/Learning Methodology	A mix of lectures and workshop sessions is used to deliver the various topics in this subject. Lectures are conducted to initiate students with the concepts and techniques of FinTech. Workshops will include case studies of how FinTech is shaping the financial services in Hong Kong, China and internationally will be discussed. Guest speakers of senior positions in enterprises will be invited for sharing their works in FinTech also.

	Relevant online materials will be developed for students to enable blended learning and flipped classroom arrangement under a SPOC (small private online class) set up is considered when appropriate.						
Assessment Methods in Alignment with Intended Learning Outcomes	Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed (Please tick as appropriate)				
			a	b	c	d	
	1. Class exercises, assignments and term projects	60	√	√	√	√	
	2. Examination	40	√	√	√	√	
	Total	100 %					
Student Study Effort Expected	Class contact:						
	▪ Lectures/workshops						30 Hrs.
	Other student study effort:						
	▪ Self-study						60 Hrs.
	Total student study effort						90 Hrs.
Reading List and References	<p>Paul Schulte (2015) <i>The Next Revolution in our Credit-Driven Economy: The Advent of Financial Technology</i>, Kindle Edition, Wiley.</p> <p>Tolga Tavlas (2015) <i>Digital Banking Tips: Practical Ideas for Disruptors!</i> Kindle Edition, Amazon Digital Services, Inc.</p> <p>Paul Odame and Gloria Jubi (2015) <i>IT Financial Management: Corporate Financing, IT Value Realization Budgeting & Planning, ITIL Capacity Management</i>, Kindle Edition, FRENIQ BOOKS.</p> <p>Kevin C. Taylor (2014) <i>FinTech Law: A Guide to Technology Law in the Financial Services Industry</i>, Bloomberg BNA.</p> <p>Ayesha Khanna (2007) <i>Straight Through Processing for Financial Services: The Complete Guide (Complete Technology Guides for Financial Services)</i>, 1st Edition, Academic Press.</p> <p>Roy S. Freedman (2006) <i>Introduction to Financial Technology (Complete Technology Guides for Financial Services)</i>, Kindle Edition, Academic Press. 2006)</p> <p>M. Bishop (2005) <i>Introduction to Computer Security</i>, Addison Wesley.</p>						