<table>
<thead>
<tr>
<th>Subject Code</th>
<th>COMP5702</th>
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<tbody>
<tr>
<td>Subject Title</td>
<td>Financial Technologies</td>
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<tr>
<td>Credit Value</td>
<td>3</td>
</tr>
<tr>
<td>Level</td>
<td>5</td>
</tr>
<tr>
<td>Pre-requisite / Co-requisite/ Exclusion</td>
<td>Nil</td>
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**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**

Upon completion of the subject, students will be able to:

- a) Understand how the impact of technologies and regulations is on financial services and the drivers behind this; and
- b) Understand the major security threats to FinTech and the countermeasures to mitigate the corresponding attacks; and
- c) Understand the key financial, economic and technological issues and challenges in FinTech; and
- d) Analyze and develop new business strategies in the FinTech space and assess their impact on the future of financial services.

**Subject Synopsis/Indicative Syllabus**

- 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

<table>
<thead>
<tr>
<th>Specific assessment methods/tasks</th>
<th>% weighting</th>
<th>Intended subject learning outcomes to be assessed (Please tick as appropriate)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Class exercises, assignments and term projects</td>
<td>60</td>
<td>✓ ✓ ✓ ✓</td>
</tr>
<tr>
<td>2. Examination</td>
<td>40</td>
<td>✓ ✓ ✓ ✓</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
<td></td>
</tr>
</tbody>
</table>

### 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