LIFS 3510 Junior Research project I

Course Outline

1. Instructors

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<tr>
<th>Instructors</th>
<th>Office</th>
<th>Extension</th>
<th>E-mail address</th>
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</thead>
<tbody>
<tr>
<td>Prof. Robert Z. Qi (RZQ)</td>
<td>Room 5458</td>
<td>X7273</td>
<td><a href="mailto:qirz@ust.hk">qirz@ust.hk</a></td>
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<tr>
<td>(Course Co-ordinator for</td>
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<td>course approval)</td>
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<tr>
<td>Various LIFS faculty</td>
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2. Course Intended Learning outcomes

On successful completion of this course, students are expected to be able to:
1. Exercise independent judgment to critically review the literature relating to a specific project.
2. Design and plan an experimental approach to test a specific hypothesis, to carry out research and to organize research tasks to meet a deadline.
3. Implement the planned experimental procedures under the guidance of senior laboratory personnel.
4. Communicate in a clear and organized manner an evaluation of a project, scientific interpretation of the data and conclusions reached.
5. Apply experience and technical ability to undertake future research on unfamiliar topics.

3. Meeting Time and Venue

**Laboratory:**
- Date/Time: TBA
- Venue: TBA

4. Course Description

- Credit points: 2
- Pre-requisite: LIFS 2040 and LIFS 2240
- Exclusion: NIL
- Grading: P or F
- Brief information/synopsis:

The objective of the course is to increase awareness of preparation in research and learn how to synthesize a research proposal. Together with the supervisor each student will identify a research question, do a literature review, familiarize themselves theoretically with technical aspects of the project and write a short proposal. Approval of a faculty supervisor is required for students to enroll in the course. Graded P or F.