

<b>Course Title/Code:</b>	<b>HKU - Pasteur Cell Biology Course (MMPH6175)</b>
<b>Department:</b>	HKU-Pasteur Research Pole
<b>Objectives:</b>	The principal objective of the HKU-Pasteur Cell Biology course is to train a small, selected number of international students at the Master/MPhil and early PhD level in an interactive classroom setting. The course is intended to be a platform of excellence in which students can meet and closely interact with worldwide top-level scientists to discuss, exchange ideas and establish valuable contacts in the perspective of strengthening a regional network of outstanding cell biologists. Students will be able to understand the importance of basic research and of a broad interdisciplinary approach to improve human health. We also expect to provide orientations and mentoring to help students in their future career.
<b>Content:</b>	The Cell Biology course is an intensive laboratory and lecture course that will be divided into two weekly modules, each focusing on a cutting-edge aspect of cell biology. It is composed of lectures given by leading scientists, and practical workshops organized together with local and/or invited teams which are supervised by junior faculty members. The main topic of the course varies every year and is chosen in concentration by the course directors to emphasize new experimental approaches. The development of the Core Imaging Platform at HKU will introduce students to advanced techniques for the dynamic visualization of cells in health and disease.
<b>Prerequisite:</b>	None
<b>Duration:</b>	2 weeks; 5-6 days/week; 30 contact hours/week
<b>Course Unit:</b>	2
<b>Coursework/Examination ratio:</b>	80% / 20%
<b>Examination method:</b>	<p><b>The students' performance will be evaluated according to the following criteria:</b></p> <ol style="list-style-type: none"> <li>1. Participation in the course and interaction with the speakers;</li> <li>2. Oral presentation of the results of the practical session or of the workshops/round tables (10 min) followed by a Q&amp;A session (10 min);</li> <li>3. Oral summary (20 min presentation, with slides) of one of the lectures given during the course followed by a Q&amp;A session (10 min). Lectures are assigned through a draw the day before the exam.</li> </ol>
<b>Learning outcomes:</b>	<p>On completion of the course student will be able to:</p> <ol style="list-style-type: none"> <li>1. Describe the key aspects of the molecular and functional organization of cells;</li> <li>2. Demonstrate knowledge of the molecular events associated with cell division or cell-pathogen interactions;</li> <li>3. Explain the current challenges in this research area;</li> <li>4. Identify key knowledge gaps and formulate relevant scientific questions;</li> <li>5. Develop skills in oral communication;</li> </ol>

6. Develop skills in group work.

**Remarks:**

Also offered to RPg from other Faculties at HKU