

<b>Course Title:</b>	<b>Recent Advances in Biomedical Technology (MMPH6149)</b>
<b>Department:</b>	School of Biomedical Sciences
<b>Course co-ordinator:</b>	Dr C.H. Yu
<b>Objective:</b>	The objective of this course is to strengthen the analysis, communication and debate skills in complex contemporary topics of biomedical research.
<b>Content:</b>	<p>Four research topics will be selected. The topics may include advanced microscopy, cell adhesion, host pathogen interactions, chemical proteomics, cellular reprogramming, bioinformatics, cancer omics and other biomedical topics. In each topic, one lecture and two presentations of related journal papers will be covered.</p> <p>Week 1: Introduction and arrangement of student presentations  Week 2: Lecture of research topic #1  Week 3: Lecture of research topic #2  Week 4: Lecture of research topic #3  Week 5: Lecture of research topic #4  Week 6: Journal club of research topic #1.1  Week 7: Journal club of research topic #1.2  Week 8: Journal club of research topic #2.1  Week 9: Journal club of research topic #2.2  Week 10: Journal club of research topic #3.1  Week 11: Journal club of research topic #3.2  Week 12: Journal club of research topic #4.1  Week 13: Journal club of research topic #4.2</p>
<b>Learning Outcomes:</b>	<p>Upon completion of the course, students should be able to:</p> <ul style="list-style-type: none"> <li>• Analyze and review the biomedical literature relating to recent advances in biomedical technology.</li> <li>• Report and debate contentious issues surrounding recent advances in biomedical technology.</li> <li>• Critique and evaluate the advantages and disadvantages of particular approaches related to advances in biomedical technology.</li> </ul>
<b>Prerequisite:</b>	None
<b>Duration:</b>	Offer in the second semester. Two hours every week.
<b>Continuous assessment/ Examination ration:</b>	<p><b>Continuous assessment:</b></p> <p>30%, Group presentation</p> <p>20%, Group discussion contributions</p>

**Examination:**

50%, Final term paper

**Examination method/  
duration** Final term paper/ take home paper

**Remarks:** Also offered to RPg from other Faculties at HKU.