Course Description:
This course will cover advanced topics on the biochemical basis of human
diseases, molecular medicine and structure based drug design.

Prerequisite:
LIFS 4760 or equivalent

Intended Learning Outcomes:
At the end of this course, students are expected to:
• Gain knowledge about the molecular mechanism underling certain human
diseases.
• Learn how to apply knowledge from modern biomedical sciences to evaluate
  current treatments and envision potential future treatments.

2017/18 Spring Semester
Date/Time: Fri 10:30AM - 01:20PM
Venue: Rm 5562
Course coordinator: Prof. Kai Liu, kailiu@ust.hk  x7277, office@5445

Feb 23 Mental Disorder Prof. Kai Liu
Mar 02 Drugs and the Brain Prof. Jun Xia
Mar 09 Traditional Chinese medicine in the treatment of chronic diseases Prof. Karl Tsim
Mar 16 Hippo signaling in cancer Prof. Yan Yan
Mar 23 Disease modeling and drug screening using zebrafish model system Prof. Zilong Wen
Apr 06 Student presentation Prof. Kai Liu
Apr 13 Student presentation Prof. Jun Xia
Apr 20 Student presentation Prof. Karl Tsim
Apr 27 Student presentation Prof. Yan Yan
May 4 Student presentation Prof. Zilong Wen

[May 29 written reports due]

Assessment Scheme:
One topic will be assigned to each student. Each student will give one 30 minute
oral presentation (40%) on an assigned topic/paper and five 1~2 pages written
critical reviews on assigned papers, one per topic (50%). Attendance will be
checked (10%).