

Course Title/Code: **Therapeutic Strategies for the Management of Cardiac and Respiratory Diseases (MMPH6128)**

Department: Pharmacology & Pharmacy

Objective: To outline the pathophysiology of the cardiac and respiratory systems and to discuss with students the current and potential therapeutic strategies for the management of cardiac and respiratory diseases

Content: Topics include:

- Lectures on general physiology and functions of the cardiac and respiratory systems
- Discussion on pathologies of cardiac and respiratory systems
- Presentations on current therapeutic approaches for several cardiac and respiratory diseases
- Literature review on research and development of new treatments for heart and lung diseases

Learning Outcomes: On completion of the module, the students are expected to:

- describe the regulatory systems of the heart and the lungs
- identify the risk factors for heart and lung diseases, and to discuss the therapeutic strategies
- explain the mechanisms of actions of current and prospective drugs and to assess their benefits and risks
- critically analyse the clinical evidence and assess the claims released by the pharmaceutical industries

Prerequisite: Students with biomedical background preferred

Duration: 1 semester; 2 hours/week; 24 contact hours

Continuous assessment/ examination ratio: 30% / 70%

Examination method/ duration: Written examination / 2 hours

Remarks: Also offered to RPg from other Faculties at HKU