



Icahn
School of
Medicine at
Mount
Sinai

COURSE INFORMATION SHEET

Title of Course: Pulmonary Pathophysiology

Academic Year: 2018-2019

Duration of Course: 3 weeks

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Mission Statement of Course:

Students will experience the whole spectrum of pulmonary disease, ranging from gross and microscopic pathology to clinical presentations and treatment, all while establishing a firm understanding of the pathophysiologic principles in pulmonary medicine.

Goals of Course:

Through the use of coordinated lectures, small group sessions and pathology laboratory sessions, students will understand the pathogenesis, clinical presentation and treatment of major pulmonary diseases.

Objectives of Course:

1. Describe the physiology of the normal pulmonary system.
2. Describe the pathophysiology, pathology, and clinical presentation of pulmonary diseases.
3. Discuss the invasive and non-invasive treatment of pulmonary diseases.



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4. Describe the major classes of medications utilized in the management of pulmonary diseases; name specific drugs within each class; discuss the primary mechanism of action and identify both common and life threatening side effects.
5. Analyze clinical cases in small groups with respect to pathophysiologic mechanisms.