



Icahn
School of
Medicine at
Mount
Sinai

COURSE INFORMATION SHEET

Title of Course: Hematology Pathophysiology

Academic Year: 2017-2018

Duration of Course: 4 weeks

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Mission Statement of Course:

To enhance knowledge and teach skills to contribute to the development of medical students into competent, responsible, caring physicians.

Goals of Course:

To teach students the normal physiology of blood and the pathophysiologic mechanisms leading to hematologic disorders, through a combination of lectures, small groups and case-based learning sessions.

Objectives of Course:

By the end of this course, a student will be able to:

- Explain the normal physiology of blood
- Identify the presence of a hematologic disorder from the history, physical examination and laboratory data
- Describe the pathophysiologic mechanisms that lead to the clinical manifestations of hematologic disorders



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- Formulate a differential diagnosis and plan a diagnostic evaluation
- Describe general therapeutic approaches to the management of hematologic illnesses
- Identify characteristic abnormalities of red blood cells, white blood cells and platelets by examining blood smears