UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

# COURSE SYLLABUS

## Hematology

**1920-3-H4102D020-H4102D069M**

### Aims

HEMATOLOGY I

1. Understanding the anatomy, normal physiology and hierarchical organization of the normal bone marrow and hematopoietic system

2. Understanding the clinical behaviour of chronic myeloproliferative disorders

3. Understanding the clinical behaviour of acute myeloid leukemias disorders

4. Understanding the clinical behaviour of myelodysplastic syndromes

5. Understanding the clinical behaviour of lymphomas, multiple myeloma and other plasma cell dyscrasias

HEMATOLOGY II

1. Understanding the molecular tools for a modern diagnosis of hematologic malignancies

2. Understanding the molecular basis of chronic myeloproliferative disorders

3. Understanding the molecular basis of acute myeloid leukemias

4. Understanding the molecular basis of myelodysplastic syndromes

5. Understanding the molecular basis of lymphomas, multiple myeloma and other plasma cell dyscrasias

## Contents

HEMATOLOGY I

1. Master genes regulating normal hematopoiesis. Morphology and immunology of hematopoietic progenitor cells. Morphology of mature peripheral blood cells

2. Natural history, diagnosis and treatment of chronic myeloproliferative disorders

3. Natural history, diagnosis and treatment of acute myeloid leukemias disorders

4. Natural history, diagnosis and treatment of myelodysplastic syndromes

5. Natural history, diagnosis and treatment of lymphomas, multiple myeloma and other plasma cell dyscrasias

## Detailed program

HEMATOLOGY I

1. Master genes regulating normal hematopoiesis. Morphology and immunology of hematopoietic progenitor cells. Morphology of mature peripheral blood cells

2. Natural history, diagnosis and treatment of chronic myeloproliferative disorders

3. Natural history, diagnosis and treatment of acute myeloid leukemias disorders

4. Natural history, diagnosis and treatment of myelodysplastic syndromes

5. Natural history, diagnosis and treatment of lymphomas, multiple myeloma and other plasma cell dyscrasias

## Prerequisites

preparatory courses for Vertical Tracks

## Teaching form

LESSONS AND SMALL GROUP ACTIVITIES

## Textbook and teaching resource

TO BE DEFINED

## Semester

SECOND TERM

## Assessment method

EXAM INTEGRATED

## Office hours

APPOINTMENT BY EMAIL