



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Metabolic Diseases

2021-4-H4102D029-H4102D092M

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#### Aims

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#### Contents

Diabetes (Type 1 and Type 2 diabete). Dyslipidemias. Gout. Obesity and underweight

#### Detailed program

DIABETES AND METABOLIC DISEASES Type 2 Diabetes Mellitus, Type 1 Diabetes Mellitus, Gestational diabetes, Complications of Diabetes Mellitus, hypoglycaemia, control of energy metabolis, obesity, gout, dyslipidemias, Gastrointestinal Hormones

*Upon active participation in this course you will be able to:*

- Describe and differentiate pathophysiology of type 1 diabetes, type 2 diabetes, and diabetic complications
- Outline the history and prevalence of type 1 diabetes, type 2 diabetes, and diabetic complications
- Outline diagnostic criteria, biomarkers, and current clinical goals for type 1 and type 2 diabetes therapy
- Present pharmacological principles and mode of action of major drugs used for the treatment of diabetes and its complications
- Identify and describe the features of diabetic renal disease

- Identify the role of obesity in human health
- Identify the role of dyslipidemias on cardiovascular disease

## **Prerequisites**

Propaedeutic skills

## **Teaching form**

- Frontal lectures
- Clinical case description and analysis

In the event of pandemic emergency period, the lectures and clinical case/problem discussions will be held remotely by synchronous online videoconference or recorded video lectures available on demand

All course activities will be held in English language

## **Textbook and teaching resource**

- Harrison's Principles of Internal Medicine 20th Edition 2018, McGraw-Hill
- Greenspan's Basic and Clinical Endocrinology, Tenth Edition 2017, McGraw-Hill

## **Semester**

Second semester

## **Assessment method**

- Multiple choice test comprising 30 questions with only one correct answer (among 4/5) aimed at evaluating global comprehension of course program. Each correct answer is scored 1.
- Oral examination on the topics covered during the lectures, discussion on clinical problem solving and clinical case analysis
- All assessments will be done in English language

## **Office hours**

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