



Dipartimento di Scienze e Tecnologie

ACADEMIC YEAR 2017/2018

**MASTER'S DEGREE in BIOLOGY (RAN)
CLASS of BIOCHEMISTRY OF NUTRITION AND METABOLIC DISEASES**

TEACHER: Prof. FRANCESCO PAOLO MANCINI

- Chemical nature and general classification of nutrients.
- Metabolism of carbohydrates: biochemistry of digestion, absorption and utilization of dietary carbohydrates.
- Metabolism of proteins: biochemistry of digestion, absorption, and utilization of dietary proteins.
- Metabolism of lipids: biochemistry of digestion, absorption, and utilization of dietary lipids - Metabolism of lipoproteins.
- Metabolism of cholesterol.
- Metabolism of lipoproteins.
- Vitamins.
- Biochemical mechanisms involved in the pathogenesis of metabolic diseases: hypertension, obesity, diabetes.
- The Mediterranean diet and protection from metabolic and chronic-degenerative diseases.