

Master of Science in

Management of Healthcare and Life Science (MaHeLS)

II Edition

Academic Year 2024-2025

MASTER

*Master
Specialistico
Accreditato*
ASFOR



UNIVERSITÀ
CATTOLICA
del Sacro Cuore



ALTEMS
ALTA SCUOLA DI ECONOMIA
E MANAGEMENT DEI SISTEMI SANITARI



Why Università Cattolica del Sacro Cuore?

The Post Graduate School of Health Economics and Management (ALTEMS), which hosts this international Master, is among the leading Schools in healthcare management in Italy and in Europe. Developing healthcare management skills

in Italy is a particularly stimulating experience due to the peculiar features of the Italian National Healthcare System, which provides high quality services while guaranteeing universal coverage to its entire population.

Why a MSc in Management of Healthcare and Life Sciences?

The environment in which healthcare organizations are currently operating is increasingly characterized by turbulence and complexity. Many healthcare systems around the world are urged to change due to new epidemiological trends, to economic crises, and to the effects of the COVID-19 pandemic. Moreover, to meet the needs of aging, multi-pathological and chronic patients, yet pursuing the unquestionable need of remaining sustainable, healthcare systems must necessarily accelerate the so called "digital revolution". This

is key to provide health services in effective ways in appropriate settings (including patients' homes). Public health systems and the life sciences industry are today a single ecosystem that need new managerial profiles to ensure sustainability and development. Consequently, healthcare managers need a multi-faceted set of new skills to address these challenges successfully. Developing them in an international program sharpens the ability to learn from different experiences and to contextualize or adapt successful strategies to one's own reality.

Main goals

With this Master participants will be able to:

- ▲ improve their managerial competencies in the healthcare management field;
- ▲ develop state of the art knowledge of current trends in health care systems and hospital governance;
- ▲ understand the role of all the stakeholders of the healthcare system (including patients and citizens, different providers of care, life sciences industry), as well as how they may evolve in the future;
- ▲ learn how to drive technological innovation effectively;
- ▲ learn more about best practices and emerging trends in different countries around the world;
- ▲ develop practical skills by implementing theoretical knowledge in concrete case studies and real-life simulations;
- ▲ develop research skills to finance and carry out research or to use it effectively in decision-making processes;
- ▲ build a strong international network with colleagues from other countries.

Who should attend?

The Master is addressed to professionals currently working in the healthcare sector and aiming at reaching middle or top management positions. The Master is open to professionals with different backgrounds, working in healthcare organizations, hospitals, governmental institutions,

bio-tech industries, pharma industries or in any setting directly or indirectly involved to the provision of health services. Attendees must be in possession of an Italian or international university graduate degree.



Topics and Teaching Methods

The Master is structured around five modules, following a flexible approach:

- ▲ **Understanding Healthcare Systems (Pre-course):** This module is entirely online and asynchronous. It will provide students with the essential background to understand international healthcare systems, their main actors, their main models, and challenges. It will describe epidemiological trends and their impacts on public health. It will present funding and research opportunities in the healthcare management field and foster awareness on technological innovation in this sector.
- ▲ **Healthcare Management:** This is the core, intensive (10-day) module of the Master course and is held entirely in presence in the campus of the Catholic University in Rome. It is articulated into four broad sections, covering the main domains of healthcare management: Strategic management in healthcare and information communication systems; Organizational design and health networks; Human resource management; Operations management. Lectures, carried out by academic staff, will be integrated with practical interventions by professionals within the sector. In this module, visits to various Italian hospitals or other setting of interest will be carried out.
- ▲ **Managerial accounting, control systems and leadership:** This module is entirely synchronous and online. It is articulated into

three sections, with lectures held across the afternoons (CET) of three distinct weeks. It will cover topics related to General accounting systems and their evolutions, Performance management and Key performance indicators, as well as fostering innovative leadership styles in the sector.

- ▲ **Focus groups:** This module is entirely synchronous and online, carried out into two afternoons (CET) per week, across three distinct weeks. In each week a “hot topic” will be discussed by a lecturer: Sustainability in healthcare; Digital Ecosystems and new frontiers in ICT; New professional roles and workforce planning. In each week, the first afternoon is dedicated to a lecture and the second to discussion sessions with individual or small-group presentations concerning a topic of interest.
- ▲ **Translating theory into practice:** This one-week module is in presence in an Italian city or town. It will be dedicated to the understanding of the local problems in healthcare planning and management. It will involve multiple local stakeholders (e.g., local administration, management, policy makers). Students will be divided into small groups and will develop a practical strategic plan to address the problems discussed. This project work will be presented by students on the last day of the module.

All lectures are run in English.

Duration

One year, part – time

Faculty and contact details

Director:

Prof. Stefano Villa, Full Professor in Operations Management in the Catholic University in Rome

Scientific Coordinator:

Dr. Irene Gabutti, Adjunct Professor in Organizational Theory in the Catholic University in Rome and Researcher in ALTEMS; E-mail: irene.gabutti@unicatt.it; Ph. +39 06 3015 8717

Dr. Daniele Rosario Dimonte, Grant specialist at Fondazione Policlinico A. Gemelli

Faculty is composed of international university professors and professionals of institutional governmental bodies and companies.

Textbook

Driving Hospitals Towards Performance: Practical Managerial Guidance to Reach the "Perfect Symphony", Nova Science Publishers, Irene Gabutti, PhD (Author). Series: Health Care in Transition DOI: <https://doi.org/10.52305/DLSN5885>



Admission Criteria

Admissions are subject to an assessment of CVs and an in-

dividual oral self-presentation session.

Fees and Application

The fee of the Master is 10.000 €. Participants must arrange for their own travel and housing. Applications must be

submitted through the application form available on this website.

Final Assessment

Students will be assessed according to the following criteria:

▲ 20% of final grade: overall participation

▲ 30% of final grade: presentation in module 4

▲ 50% of final grade: presentation in module 5



Programme

MODULE 1. UNDERSTANDING HEALTHCARE SYSTEMS (Pre-course)

- ▲ Healthcare Systems: an international overview
- ▲ Providers of care: Primary, secondary, and tertiary healthcare settings
- ▲ Epidemiological Trends and new frontiers in managing chronic conditions
- ▲ Financing healthcare services: the challenge of value-based healthcare
- ▲ Introduction to Health Technology Assessment (HTA)
- ▲ Big data, Artificial Intelligence and machine learning
- ▲ Getting funded: Horizon Europe and other international grants

MODULE 2. HEALTHCARE MANAGEMENT

- ▲ Emerging strategies to face global challenges
- ▲ The post-pandemic scenario in healthcare
- ▲ Information Management Systems in healthcare
- ▲ Digital ecosystems in healthcare
- ▲ Trends in organizational design of international healthcare systems
- ▲ Hospital organizational design
- ▲ The Revolution of Telemedicine and new frontiers in the provision of care
- ▲ Health workforce planning: opportunities and threats
- ▲ Managing human resources through innovative approaches

- ▲ People, performance, Potential matrix and Talent Management
- ▲ The competency model approach
- ▲ Operations management
- ▲ Social event(s)

MODULE 3. MANAGERIAL ACCOUNTING, CONTROL SYSTEMS AND LEADERSHIP

- ▲ Managerial accounting and performance management systems
- ▲ Dimensions of Hospital Performance
- ▲ Integrated Evaluation Systems and Strategies
- ▲ Developing leadership competencies and soft skills
- ▲ Conflict management
- ▲ Emergency management

MODULE 4. FOCUS GROUPS

- ▲ Focus group 1: Designing sustainable healthcare systems
- ▲ Focus group 2: Digital Ecosystems and new frontiers in ICT
- ▲ Focus group 3: New professional roles and workforce planning

MODULE 5 TRANSLATING THEORY INTO PRACTICE

- ▲ Presentation of local challenges
- ▲ Seminars and Laboratories
- ▲ Question and answer session with local authorities and stakeholders
- ▲ Project work
- ▲ Social event(s)



Director:

Prof. Stefano Villa
Università Cattolica del Sacro Cuore

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Informazioni

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