

Teacher(s)	Laokri Samia ;
Language :	English
Place of the course	Bruxelles Woluwe
Main themes	Basic knowledge of the interdisciplinary skills that will shape the future of medicine; Understanding the respective roles of the different stakeholders in healthcare; Unique opportunities to interact with experts and colleagues from a wide range of disciplines and environments.
Aims	<p>The students get an insight into the main strategies and tools for the prevention and treatment of disease states;</p> <p>The students get an insight into the main types and principles of healthcare systems worldwide;</p> <p>The students understand the basic principles of healthcare economics and management;</p> <p>The students get an insight into the multiple steps and key principles in the development of health technologies;</p> <p>1 The students get an insight into the basics of data and knowledge generation in healthcare;</p> <p>The students get an insight into the new innovation models and career opportunities in healthcare;</p> <p>The students understand the need for interdisciplinarity and convergence of medicine, life sciences and physical sciences, engineering and management, from basic research to patient-centric care, including (pre)clinical research, development of medicines and medical devices, healthcare organization, management and economics</p> <p>-----</p> <p><i>The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".</i></p>
Evaluation methods	<p>Method(s) of assessment *</p> <p>5 ECTS: continuous evaluation via quiz + oral exam</p> <p>Certificate in Translational Medicine: continuous evaluation via quiz + Case study (group work, mini-dissertation max. 10 pg)</p> <p>Construction of the mark (including the weighting of the various partial marks) *</p> <p>Continuous evaluation via quiz: 35% of total score</p> <p>+</p> <p>Oral exam (5 ECTS): 65%</p> <p>or</p> <p>Case Study (10 ECTS): 65%</p> <p>Assessment language *</p> <p>English</p>
Teaching methods	<p>5 sessions + 3 workshops: The changing healthcare landscape (interdisciplinary, (interfaculty), interuniversity, international program) with experts</p> <p>Teaching method and learning activities *</p> <p>College - Interactive discussions with experts ' Case study workshops to stimulate interaction between students coming from different disciplines.</p> <p>Essential course materials * No</p> <p>Other course materials</p> <p>Slides and pre-reading materials provided by the guest speakers and the Institute for Interdisciplinary Innovation in healthcare (I3h), pc</p> <p>References, bibliography and recommended reading *</p> <p>Recommended articles are provided via the e-platform to the students</p>
Content	<p>Session 1: Challenges in healthcare</p> <ul style="list-style-type: none"> <li>- Setting the scene of translational medicine</li> <li>- The healthcare landscape</li> </ul> <p>Session 2: The value of healthcare</p> <ul style="list-style-type: none"> <li>- Health as a public good</li> <li>- Defining and measuring value in healthcare</li> </ul> <p>Session 3: Health on a global scale</p>

	<ul style="list-style-type: none"><li>- Harnessing information and communication technologies in healthcare</li><li>- Global challenges in healthcare</li></ul> <p>Session 4: Digital age in healthcare</p> <ul style="list-style-type: none"><li>- Harnessing disruptive technologies in healthcare</li><li>- Handling data, materials and knowhow in healthcare</li></ul> <p>Session 5: Entrepreneurship and healthcare</p> <ul style="list-style-type: none"><li>- Entrepreneurship, business and management in healthcare (1&amp;2)</li></ul>
Faculty or entity in charge	FSP

<b>Programmes containing this learning unit (UE)</b>				
Program title	Acronym	Credits	Prerequisite	Aims
Master de spécialisation en méthodologie de la santé publique - Specialized master in public health methodology	MPHM2MC	5		