


The version you're consulting is not final. This course description may change. The final version will be published on 1st June.

2.00 credits

15.0 h

Q1

Language :	English > French-friendly
Place of the course	Bruxelles Woluwe
Prerequisites	The student should know the cell cycle and its regulation, the mechanisms of apoptosis, histology and general pathology, and immunology. He/she should also have notions in digestive physiology, general and organic chemistry, molecular genetics and epidemiology.
Main themes	<p>Oncogenic effects of toxic factors, nutriments and living organisms will be developed, with focus on some frequent or well understood examples of neoplastic transformation.</p> <p>Toxic factors and drugs : oncogenic effects of tobacco, alcohol, asbest fibres, aristolochic acid, endocrine agents and some chemical products will be presented among others.</p> <p>Food link to cancer : the course will envisage cancer induced by some nutriments, cooking or storing methods, relationship between food culture and types of cancer, and the possible role of gut microbiota on cancer.</p> <p>Viruses and other germs : cancer secondary to infection by Papovaviruses and Herpes viruses will be extensively developed. Cancers linked to hepatitis virus and Helicobacter pylori will be briefly presented.</p>
Learning outcomes	<p><b>At the end of this learning unit, the student is able to :</b></p> <p>1 The student should understand how foreign factors may alter the mechanisms regulating cell proliferation and differentiation and induce neoplastic transformation.</p>
Evaluation methods	Individual written examination with open questions on each general topic of the course.
Teaching methods	Lecture
Content	<p>The course comprises 8 lectures with slides available before each presentation:</p> <p>An introductory lecture, two lectures on toxic factors, two on the link between food and cancer, two on the role of micro-organisms in the genesis of some cancers, and one on age and pre-malignant conditions as a cancer risk factor.</p>
Bibliography	A copy of the slides presented during the lectures are available on Moodle
Faculty or entity in charge	FASB

<b>Programmes containing this learning unit (UE)</b>				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [120] in Biomedicine	<a href="#">SBIM2M</a>	2		
Master [60] in Biomedicine	<a href="#">SBIM2M1</a>	2		