



**Umm Al-Qura University**  
**Applied Medical Sciences College**  
**Laboratory Medicine Program**



**Course Overview**

<b>Course code :</b>	1701464-1
<b>Course title:</b>	<b>Community medicine</b>
<b>Level/semester:</b>	4 <sup>th</sup> Year (Second term)
<b>Credit hours:</b>	<b>Lecture hours:</b> One hour
<b>Language:</b>	English
<b>Course Description:</b>	<p>By the end of the class, students are to be acquainted with the following knowledge:</p> <ul style="list-style-type: none"> <li>-We should know the environment -Air and ventilation-Major climate changes-pollution- Enhanced Greenhouse Effect.</li> <li>- Water Sanitation, Diseases transmitted by water-Steps of large scales water purification-Water Quality.</li> <li>- Food Sanitation -Milk Sanitation -Meat Sanitation.</li> <li>- Refuse Disposal-Sewage Disposal-Hospital Waste.</li> <li>- Health hazards among hospital workers.</li> <li>- Environmental Physical Hazards.</li> <li>- Some Chemical and Biological Hazards.</li> </ul>
<b>Aims and Goals/Skills of the course:</b>	<p>At the end of this course ,the student should be able to :</p> <ul style="list-style-type: none"> <li>● Identify the nature, health effects and sources of environmental risks.</li> <li>● Acquire knowledge about major air pollutants, allergens, carcinogens, chemicals poisons, and various physical factors which may cause health hazards.</li> <li>● Possess epidemiological knowledge about main parasitic infestation of medical importance predisposed by various environmental factors and study of various vectors responsible for transmission of their causative agents.</li> <li>● Learn about the global importance of certain zoonotic diseases, their impact on human health, economy, socioeconomic status, and control of zoonotic diseases.</li> <li>● Define health related activities relevant to prevention and control of these risks.</li> <li>● Explain method of water purification system.</li> <li>● Acquire knowledge about health hazards among hospital workers.</li> </ul>
<b>Content of the Course:</b>	<b>subject</b>

	<p>-We should know the environment, Air and ventilation, Air and ventilation, Air pollution.</p> <ul style="list-style-type: none"> <li>- Water sanitation.</li> <li>- Food sanitation, Milk sanitation, Meat sanitation.</li> <li>- Refuse disposal, Sewage disposal.</li> <li>- Hospital waste.</li> <li>- Health hazards among hospital workers.</li> <li>- Environmental physical hazards.</li> <li>- Some chemical hazards.</li> <li>- Hospital acquired infection (Nosocomial infection).</li> </ul>	
<p><b>Examination:</b></p>	<ul style="list-style-type: none"> <li>• Periodical Exams (Quizzes) ..... 20%</li> <li>• Assignment and activity..... 20%</li> <li>• Final written exam ..... 60%</li> </ul>	