

**Module : 211 Chronic disease epidemiology**

Program as per 4 September 2020

Monday 9 november	Tuesday 10 november	Thursday 12 november	Friday 13 november
Room	Room	Room	Room
<p><b>Introduction</b> of the module Dr O Grimaud Professor EHESP</p> <p>Epidemiological transition</p> <p>A Desesquelles Institut National des Etudes Démographiques</p>	<p><b>Diseases registries</b> Principles and applications to the domain of <b>end stage renal failure</b></p> <p>Dr C Couchoud National coordination of ESRF registry Agence de Biomédecine</p>	<p><b>Epidemiology of Cancer</b> with specific focus on prevention and screening</p> <p>Dr Catherine Sauvaget Senior scientist IARC</p>	<p><b>Neurodegenerative diseases</b> Patients cohorts (EDMUS)</p> <p>E Leray Professor EHESP</p>
<p><b>Cardiovascular diseases</b></p> <p>Dr O Grimaud</p>	<p><b>Mental health</b></p> <p>Dr V Kovess</p>	<p>Epidemiology of cancer (suite)</p>	<p><b>Pharmacoepidemiology</b> and NCD</p> <p>E Leray Professor EHESP</p>

<b>Module : 211</b>	<b>Chronic disease epidemiology</b>
<b>UE coordinator</b>	<b>Olivier Grimaud</b>
<b>Dates</b>	9 <sup>th</sup> to 13 <sup>th</sup> November 2020
<b>Credits/ECTS</b>	3
<b>Duration</b>	Number of days: 4 Number of hours : 24
<b>UE description</b>	This minor will concentrate on the contribution of epidemiology for studying the growing burden of chronic diseases (CD) and present the specific concepts and methods which apply to this field of research and practice. The course will address trends and impact of CD including the process of epidemiological transition. The course principle relies on using specific CDs to illustrate key concepts (e.g. natural history of disease, risk factors, screening) and key methods/tools (e.g. disease registry, measurements of severity and of impact). Cardiovascular diseases, cancer and neurodegenerative diseases will be addressed during the course. However, the aim is not to cover the all spectrum of CDs but rather to provide students with an epidemiological framework that can be applied to all specific diseases. The program includes: lecture and interactive discussion with CDs epidemiological experts; group work for the construction of a "summary brief" on a specific CD.
<b>Prerequisites.</b>	Prior coursework in Epidemiology and Statistics is strongly encouraged
<b>Course learning objectives::</b>	<b>Learning objectives</b> at the end of the module, the students should be able to <ol style="list-style-type: none"> <li>1. Discuss the key concepts of chronic diseases and identify their natural history and related risk factors</li> <li>2. Apply epidemiologic tools and methodologies for chronic diseases, such as cancers and CVD</li> <li>3. Design a summary epidemiological brief regarding a specific CD.</li> <li>4. Critically assess and interpret the findings of chronic disease epidemiology papers</li> </ol>
<b>Course requirement</b>	
<b>Grading and assessment</b>	Group assignment along the program (30%) and an individual examination (multiple choice and short questions) at the conclusion of the course (70%).
<b>Location</b>	George Sand EHESP Campus in Paris