

Syllabus of the Interdisciplinary modules 1 & 2

Module #	Module title	Coordinator	Contents	ECTS	Teaching Week/year
201	Interdisciplinary module 1 "Global health"	Philippe GUERIN	<p>Interdisciplinary module 1 "Global health"</p> <p>The aim of this 5 day module is to fulfil the following objectives:</p> <ol style="list-style-type: none"> 1. To provide knowledge of measures of health and burden of diseases in populations focusing on infectious diseases and nutrition; 2. To improve understanding of how health care resources may contribute to economic growth; 3. To introduce concepts of assessment of alternative policies for improving the efficiency of resource allocation in the health sector; 4. To understand the limitations of economic evaluation in the health sector; 5. To learn about critical barriers to coordinated action in global health, e.g. intellectual property rights; trade-offs between bilateral and multilateral aid for development; incentives for research & development of drugs and medical commodities that meet the needs of the world's population; and safety issues related to migration and epidemics; <p>Learning objectives: at the end of the module, the students should be able to:</p> <ol style="list-style-type: none"> 1. Describe the different actors operating in global health and identify their strengths and weaknesses; 2. To clarify complex emergencies and describe responses in such contexts; 3. To incorporate ethical issues related to global health, e.g. guidance to conduct research, human right aspect, gender disparity 4. To read & assess critically and journal articles on costs and benefits of health care interventions <p>Course structure</p> <p>Group work, including simple practical exercises and discussion of key publications from the literature will be organized.</p>	3	41, 2011
207	Interdisciplinary module 2 "Emerging diseases"	A. FLAHAULT	<p>Interdisciplinary module 2 "Emerging diseases"</p> <p>The main objective of this course is to provide students with the methods and main concepts of the major disciplines involved in the process of surveillance, identification of signals, monitoring and control of emerging or re-emerging diseases, possibly leading to outbreaks or epidemics.</p> <p>This implies an interdisciplinary approach through development of cases studies and specific teaching on the contribution of epidemiology, virology, immunology, social and behavioural sciences, entomology, clinical research and animal health, to the knowledge and intervention. A focus will be made on vector-borne diseases as chikungunya fever in the Indian ocean and Ross River virus (RRV) in Australia.</p> <p>Specific concepts in public health epidemiology and ecology will be examined and discussed so that students develop an appreciation of symptom nature and severity, as well as issues of case definition and diagnosis.</p> <p>Finally, analytical studies of these diseases as risks will be dealt with examining models of disease ecology and epidemiology, as well as issues of study design for elucidating such diseases risks.</p>	3	24, 2012