Graduate Studies Form for Modules attached to Structured PhD

Title	Epidemiology
Credits (ECTS)	2.5
Module Places	20
Course Instance	
Module Code:	
Please indicate if generic (GS) or specialised module	Specialised
Elective Places	n/a

Indicative Module Descriptor:

Why do some people get heart disease and others do not? Why do some smokers develop lung cancer and others do not? How does AIDS spread through a population?

The occurrence of any particular health problem is not distributed equally within a population. Disease does not occur at random, it has causal and preventive factors that can be identified through comparing differences and similarities of populations (or subgroups of individuals within a population) in different places or at different times.

Epidemiology studies the occurrence of health and disease in populations with the use of scientific and standardised methods. A population could be a relatively small group of people, for instance when studying children with asthma within schools, or as big as the world population, as may be the case with an influenza epidemic.

This module will introduce some methods used in epidemiological research and discusses outcomes coming from such studies.

Indicative Learning Outcomes:

On successful completion of this module, students should be able to:
- Explain what epidemiology is
- Have an understanding of methods used to measure health and disease
- Have an understanding of sources of error and bias
- Have an understanding of principles of causality
- Read and understand general epidemiological papers.

Workload: *(specify or delete as appropriate)*

Class Contact	Lectures: 6 x 1 hour (online)
Workshop (other forms of educational activity)	Online Activities
Specified Assignment(s)	Presentation preparation Online Learning

Autonomous Student Learning *(please specify)*	Self-directed readings, pre- and post-lecture Contribution to online activities			

Assessment(s) *(choose from below or add your own)*				
	Type	% of marks	Timing	
Assignments Reports Oral Presentation		**80%** **20%**		
Result	Pass / Fail			