

## *Clinimetrics : the science of measurement in medicine*

Clinicians and those involved in research in health sciences are frequently called upon to measure objective but also subjective states such as attitudes, feelings, quality of life, educational achievement and aptitude in their patients. In this course we will focus on how scales and other measurement instruments can be developed to measure health outcomes.

The course covers measurement theories, methods and criteria for evaluating and selecting instruments. It provides methods to assess measurement properties, such as reliability, validity and responsiveness and to interpret the results.

Investment: 20h of seminars /lectures + 15h of preparation and assessment

Didactical method: the course complies with « blended learning » principles and combines e-learning with a series of face-to-face seminars.

Students are expected to fulfil a series of assignments in order to be prepared for each seminar. Moreover each participant will have to work on an individual assignment that will result in a presentation and a paper as a part of the final assessment.

Assessment: No formal exam will be organised. However a continuous evaluation, focusing the way student fulfilled the assignments before each seminar will be present; A final assessment will concern the evaluation of the paper presented by each participant during a closing seminar.