

## Faculty of Medicine



### MCBL3120 Complements in Virology

[45h+45h exercises]

**Teacher(s):** Monique Bodéus, Patrick Goubau (coord.)  
**Language:** French  
**Level:** Third cycle

#### Aims

To give to the student a training in general virology and in medical virology

#### Main themes

##### General themes

In the first part of the course, fundamental notions of virology are thoroughly revised: virus definition, structure of viral particles and classification, study of the replication of different groups of viruses, critical evaluation of virological methods, viral therapeutics (immunisation, serotherapy, antivirals).

In the second part certain viruses, which are important in human pathology, are systematically reviewed.

#### Content and teaching methods

##### Contents and methods

##### Contents:

Structure, morphology, biochemistry of viruses and examples of cycles

Nucleic acid replication in different virus groups

Principles of prevention, of vaccination and of treatment

Viral diagnosis

Specific subjects: HIV, hepatitis viruses, herpesviridae, viruses and pregnancy, viruses and immune suppression

This list is not complete and may be modified according to opportunities in the different years. Our purpose is to review in depths a few viruses.

#### Other information (prerequisite, evaluation (assessment methods), course materials recommended readings, ...)

Prerequisite is to have followed a basic course in virology (microbiology in MED13, MCBL1330, virology in FARM22, FARM 2281, or microbiology part 2 in DENT 21, MCBL2117)

45 hours of practical exercises are only intended for pharmacists specialising in laboratory medicine.

Evaluation is by an oral examination