



3.00 credits

22.5 h

Q1

|                             |  |
|-----------------------------|--|
| Teacher(s)                  | Bindels Laure ;Muccioli Giulio (coordinator) ;   |
| Language :                  | French   |
| Place of the course         | Bruxelles Woluwe   |
| Prerequisites               | WFARM2117  |
| Main themes                 | Within the framework of this EU, teachers will cover the essential concepts for the analysis of biotechnology drugs.   |
| Learning outcomes           |  |
| Evaluation methods          | The evaluation will consist of a personal integration work presented orally.   |
| Teaching methods            | The teachers will approach the key concepts by using concrete examples. A part of the course will give the students the opportunity to approach the issue of the analysis of biotechnological drugs through more personal (bibliographical) research.  |
| Content                     | <p>Like chemically synthesized drugs, biotechnology-derived drugs require quality control before they can be marketed.</p> <p>In this course, the teachers will address the following concepts:</p> <ul style="list-style-type: none"> <li>• How to determine, depending on the nature of the substance (e.g. peptide, enzyme, vaccine, antibody, etc.), the structure and concentration of a biotechnology drug.</li> <li>• How to evaluate the activity of a biotechnology drug in the context of quality control.</li> <li>• What factors can affect the stability of these drugs and how to study this stability.</li> </ul> |
| Bibliography                | La pharmacopée européenne offre de nombreux exemples d'analyse de médicaments issus des biotechnologies.   |
| Faculty or entity in charge | FASB   |

| <b>Programmes containing this learning unit (UE)</b> |                        |         |              |   |
|--|------------------------|---------|--------------|---|
| Program title  | Acronym                | Credits | Prerequisite | Learning outcomes   |
| Master [120] in Pharmacy                             | <a href="#">FARM2M</a> | 3       |              |  |
| Master [120] in Biomedicine                          | <a href="#">SBIM2M</a> | 4       |              |  |