UCLouvain

# wfarm2512

*2020*

# NEW DRUG DELIVERY SYSTEMS

Due to the COVID-19 crisis, the information below is subject to change, in particular that concerning the teaching mode (presential, distance or in a comodal or hybrid format).

| 3 credits | 22.5 h | Q2 |
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| Teacher(s) | Des Rieux Anne ;Préat Véronique (coordinator) ;Vanbever Rita ; |
| Language : | French |
| Place of the course | Bruxelles Woluwe |
| Main themes | The new drug delivery systems addressed during the classes include transdermal and transmucosal drug delivery, nanocarriers (liposomes, nanoparticles), drug delivery in tissue engineering, the solubilisation of poorly soluble drugs. |
| Aims | 1 By the end of the course, the students should be able to design of new drug delivery systems for drugs with low oral bioavailability.<br>- - - -<br>*The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".* |
| Evaluation methods | **Due to the COVID-19 crisis, the information in this section is particularly likely to change.**<br>The students will be mainly evaluated on the basis of the oral presentation or the poster they will have prepared during the seminars. They will also be evaluated during their participation in the course. |
| Teaching methods | **Due to the COVID-19 crisis, the information in this section is particularly likely to change.**<br>interactive lecture courses and research papers on advanced drug delivery |
| Content | Interactive lecture courses during which the concepts on advanced drug delivery systems are illustrated by examples.<br>During the seminars, the students will prepare an oral presentation or a poster on a novel drug delivery system under devleopment based on a research paper or a patent. |
| Inline resources | Courses will be available on Moodle. |
| Other infos | Prerequisite: pharmaceutics pharmacokinetics<br>Evaluation: oral presentation or poster of a research paper or patent on novel advanced drug delivery systems. |
| Faculty or entity in charge | FARM |

## Programmes containing this learning unit (UE)

| Program title | Acronym | Credits | Prerequisite | Aims |
|---|---|---|---|---|
| Master [120] in Pharmacy | FARM2M | 3 | | |