


2.00 credits

15.0 h + 15.0 h

Q1

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| Teacher(s) | Lambert Didier ; |
| Language : | French > English-friendly |
| Place of the course | Bruxelles Woluwe |
| Prerequisites | <i>The prerequisite(s) for this Teaching Unit (Unité d'enseignement – UE) for the programmes/courses that offer this Teaching Unit are specified at the end of this sheet.</i> |
| Main themes | <ul style="list-style-type: none"> • importance of natural products in therapeutics, critical appraisal of their advantages, limits, and risks • pharmaceutical forms of drugs based on natural products • introduction to complementary medicines based on natural products (aromatherapy, homeopathy) • legislation on the use of plants and other natural products in human medicine in Europe <p><u>practical courses : to be defined by the new teacher</u></p> |
| Learning outcomes | <p>At the end of this learning unit, the student is able to :</p> <p>1 To know the main types of active natural molecules, their chemical and pharmacological properties, as well as the pharmaceutical forms used for these natural products</p> <p>To critically apprehend the general principles of complementary medicines based on natural products, and the conditions of use and dispensing of natural products</p> |
| Evaluation methods | <p>Evaluation: Students will be evaluated for the theoretic part by a written exam, except in particular cases (evaluating memory but also logical and critical thinking as well as integration of data) comprising a practical problem</p> <p>A continuous evaluation will be organised for the practical part, on the basis of a report written by the students and a written test</p> <p>On a total of 20, the theoretical part will count for 17 and the practical one for 3. Students who succeeded the practical part but who did not obtain enough points in the theoretical part, could be exempted of the practical part but the note will not be reported for the next year, in this case, the theoretical part counts for 20.</p> |
| Teaching methods | ex cathedra courses if sanitary situation allows it |
| Content | <ul style="list-style-type: none"> - Generalities on uses, advantages and drawbacks of phytotherapy, differences with homeopathy and aromatherapy, risks of plant uses - Phytochemistry: <ul style="list-style-type: none"> - Physico-chemical and pharmacological properties of the main classes of natural active compounds, - Laws for plant use, quality control of plant and plant extracts, particular analytical methods and resolution of problems (case studies) - - Practical part: Chemical analysis of a drug according to the European Pharmacopea |
| Inline resources | European Pharmacopea and HMPC and ESCOP monographs |
| Bibliography | <p>Pharmacognosie : phytochimie, plantes médicinales</p> <p>Bruneton, Jean (créateur)#; Poupon, Erwan (contributeur - collaborateur)</p> <ul style="list-style-type: none"> • Paris : Lavoisier Tec & Doc, 2016 xv, 1487 pages • 5e édition |
| Other infos | Participation to the practical training is mandatory except special sanitary measures |
| Faculty or entity in charge | FARM |

| Programmes containing this learning unit (UE) | | | | |
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| Program title | Acronym | Credits | Prerequisite | Learning outcomes |
| Minor in Medication Sciences | MINFARM | 3 | |  |