Course Specifications

Valid as from the academic year 2019-2020

Pharmacoeconomics (J000443)

Due to Covid 19, the education and evaluation methods may vary from the information displayed in the schedules and course details. Any changes will be communicated on Ufora.

Course size (nominal values; actual values may depend on programme)

<table>
<thead>
<tr>
<th>Credits</th>
<th>Study time</th>
<th>Contact hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.0</td>
<td>90 h</td>
<td>15.0 h</td>
</tr>
</tbody>
</table>

Course offerings and teaching methods in academic year 2019-2020

<table>
<thead>
<tr>
<th>A (semester 2)</th>
<th>Dutch</th>
<th>UGent</th>
<th>lecture</th>
<th>11.25 h</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>lecture: response</td>
<td>1.25 h</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>lecture: plenary</td>
<td>2.5 h</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>exercises</td>
<td></td>
</tr>
</tbody>
</table>

Lecturers in academic year 2019-2020

Claus, Barbara

FW02 lecturer-in-charge

Offered in the following programmes in 2019-2020

<table>
<thead>
<tr>
<th>Master of Science in Teaching in Health Sciences (main subject Pharmaceutical Sciences)</th>
<th>3</th>
<th>A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Science in Pharmaceutical Care</td>
<td>3</td>
<td>A</td>
</tr>
</tbody>
</table>

Teaching languages

Dutch

Keywords

social security, reimbursement system, cost-effectiveness, cost-utility, quality of life, ICER, sensitivity analysis, budget impact

Position of the course

In this course the pharmaco-economic evaluation of drugs, a technique to evaluate the added value of drugs, is described. The basic elements of economic evaluation are explained. The pharmaco-economic analysis is discussed within the framework of social security and health care/drug reimbursement systems. This course is related to other courses such as pharmaco-epidemiology, pharmacovigilance and pharmaceutical care. Relevant examples to illustrate these relationships are provided.

Contents

Social security and health care insurance, the organization of health care and drug policies are presented. The important efforts needed to maintain accessibility, equity and affordability of the Belgian system are discussed. The different techniques to perform an evaluation, the methodological aspects, lexicon and definitions, cost calculations, utility and quality of life measurement and modeling techniques are provided and illustrated. A set of guidelines is provided in order to interprete pharmaco-economic studies. Methods for real world continuous evaluation of drugs are presented by means of practical exercises.

Initial competences

Having successfully completed courses “Pharmacotherapy” and “Pharmaco-epidemiology” or having acquired the corresponding competences through other learning pathways.

Final competences

1 to understand the structure and procedures of the social security system, in particularly the health care insurance

(Approved)
2 to have insight in the management of health care expenses, particularly for drugs in the reimbursement system
3 to have knowledge of the pharmaco-economic analyzing techniques and lexicon
4 to evaluate the methodologic consistency of a pharmaco-economic study
5 to understand the bridge between pharmaceutical care and health economics, otherwise said, to be able to illustrate the influence of pharmaceutical care on drug efficiency.

Conditions for credit contract
Access to this course unit via a credit contract is determined after successful competences assessment

Conditions for exam contract
Access to this course unit via an exam contract is unrestricted

Teaching methods
Lecture, lecture: plenary exercises, lecture: response lecture

Extra information on the teaching methods
For a specific part of the lecture, an interactive voting system will be used

Learning materials and price
Manual and presentations can be downloaded from the @learning platform Minerva, free of charge

References
2. Richtlijnen voor economische evaluaties en budget impact analyses: tweede editie KCE reports 183A

Course content-related study coaching
Students have different possibilities to ask questions, both individually and in group: before or after the classes, on appointment.
Small numbers of questions can be answered via e-mail. For larger numbers the student should make a personal appointment.

Evaluation methods
end-of-term evaluation

Examination methods in case of periodic evaluation during the first examination period
Written examination with open questions, written examination with multiple choice questions

Examination methods in case of periodic evaluation during the second examination period
Written examination with open questions, written examination with multiple choice questions

Examination methods in case of permanent evaluation

Possibilities of retake in case of permanent evaluation
not applicable

Extra information on the examination methods
Written examination
Multiple - choice for the evaluation of definitions and methodology (quotation: the official 'standard setting' UGent)
Open-end questions to assess the insight of the student in different pharmaco-economic problems

Calculation of the examination mark