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| **PROGRAMME OF COURSES****2020/21** |  |
| **Complete name of the course:**Basics of Pharmacoeconomics (practice) |  |
| **Name of the Programme:**Pharmacy Basic Education |  |
| **Abbreviated name of the course:** |  |
| **English name of the course:**Basics of Pharmacoeconomics (practice) |  |
| **Neptun-Code:**GYETEBFOG1A |  |
| **Type of registration:**obligatory |  |
| **Institute: Center for Health Technology Assessment** |  |
| **Name of the tutor/lecturer**: Assoc. Prof. András Inotai**E-Mail:**inotai.andras@semmelweis-univ.hu | **Academic degree**: PhD, DrHabil |
| **Further tutors:**Prof. Zoltán KalóAssoc. Prof. Balázs NagyZsuzsanna Petykó | **Academic degree:**PhD, DrHabilPhD, DrHabilPhD candidate |
| **Number of classes / week: 1x45 min (2x45 mins bi-weekly)** | **Credit points: 1** |
| **Course principles:**Practice-oriented teaching of basic health- and pharmacoeconomic knowledge for pharmacy students to enable them interpreting and determining the cost-effectiveness of pharmaceuticals, and understanding the principles of pharmaceutical pricing and reimbursement. |
| **Brief course summary:**See semester program |  |
| ***Course data*** |  |
| Recommended semester of completing the course | Lecture(contact hrs/ week) | Practice(contact hrs/ week) | Seminar(contact hrs/week) | Individual lecture | Total number of contact hours/semester | Semester | Consultation |  |
| from 7th semester | 0 | 14 | 0 | 0 | 14 | I (Autumn) | 7 |  |
| ***Semester program*** |  |
| **I. Lecture topics/week**no lecture applicable |  |
| **II. Practice topics/week**

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| Class | Topic | Lecturer |
| Week 190 min | Health care market and market failuresElements of health care systemFinancing health care | Zoltán Kaló |
| Week 390 min | Pharmacoeconomics, Health Technology Assessment, Classification of economic evaluations | Zoltán Kaló |
| Week 590 min | Steps of health economic evaluation I - Evidence synthesis, health outcome measurement (quality of life, utility, quality adjusted life years) | Zsuzsanna Petykó, András Inotai |
| Week 790 min | Steps of health economic evaluation II – Measuring costs, decision rule (threshold, multicriteria decision analysis) | Balázs Nagy |
| Week 990 min | Health economic modelling (classification, applicability) | Balázs Nagy |
| Week 1190 min | Pricing of original and generic medicines | András Inotai |
| Week 1390 min | Pharmaceutical reimbursement system, cost control techniques | András Inotai |
| EvaluationWeek 14 | Test type exam |  |

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| ***Course requirements*** |  |
| **Order of consultations:**90 mins bi-weekly (contact hours) |  |
| **Prerequisites:**Pharmacology and Toxicology I.Statistics for PharmacistsBasics of Economics |  |
| **Semester acceptation conditions: (***successful course attendance, mid-term tests, absence, etc*.):1 absence is permitted |  |
| **Knowledge testing during the semester:**NA |  |
| **Requirements of the signature at the end of the semester:**successful test (classroom exam, at week 14) |  |
| **Individual activity of the student during the semester *(****protocol, etc*.) NA |  |
| **Performance control in the examination period**(*final, semi-final***):**practical course mark |  |
| **Performance control in the examination period (***written, oral, written and oral***)**classroom exam of the entire semester curricula at week 14, opportunity for correction: week 1 of exam period |  |
| **Prescribed external practice:**NA |  |
| **List of teaching materials: (List of textbooks, hand-outs, scripts, etc.)**slide deck, compulsory and recommended reading materials |  |
| **List of course materials:**NA, personal laptop (with Excel) is recommedned for interactive health economic modeling |  |
| **Scientific, course related researches, publications/essays:**N/A |  |
| **The course description was prepared by:** András Inotai |  |