

### **1. Methodology of economic modelling in health care (1)**

Students are familiarised with applying basic economic evaluation techniques for health care decision analysis. Economic models related to common reimbursement questions are developed in MS Excel spreadsheets. Students are studying to design, develop and interpret economic models, including methods to handle uncertainty in decisions.

Main themes:

- decision tree model (payer perspective);
  - decision tree model (employer perspective);
  - discounting (decision tree model);
  - Markov models (acute vs. chronic care - inflammatory disease; oncology, dialysis);
  - conditional reimbursement (Markov model);
  - model validation;
  - budget impact model;
  - modelling techniques;
  - process of model development;
- deterministic sensitivity analysis.