Pharmacoeconomics

**Title:** Pharmacoeconomics

**Course number:** 557 PHCL

**Semester:** Tenth Semester (Fifth year).

**Duration:** 2 + 0 Units (2 contact hours) per week.

**Aims:** To provide general knowledge on strategies, measures, and applications of pharmacoeconomics in daily pharmacy practice.

**Objectives:** Upon successful completion of the course the student should be able to demonstrate the principles and tools of pharmacoeconomics and outcomes, assessment and be able to perform all perspective analysis.

**Contents:** Principles for evaluating and conducting pharmacoeconomics studies, strategies for integrating pharmacoeconomics measurements and drug therapy, algorithms into the health care path, pharmacoeconomics and outcomes assessment. Cost-effectiveness analysis, cost-minimization analysis, cost-benefit analysis, burden-of-illness analysis, cost utility analysis, decision analysis and verification of quality and efficiency in the services.

**Minimum course requirements:** 30 (2 x 15) Unit lectures (30 contact hours) per level.

**Evaluation methods:**

- Quizzes 15%
- Mid term examination 25%
- Final examination (theoretical) 60%

**Text Books (latest edition):**
1- Principles of Pharmacoeconomics, Bootman Townsend McGhan.

2- Pharmacoeconomics, Tom Wallery, Haycox Angela Boland.

**Recommended books (latest edition):**

1- Pharmacoeconomics in Perspectives, Bonk.

2- Pharmacoeconomics, Tom Walley Angela Boland and Alan Haycox, Churchill Livingstone.

3- Introduction to Applied Pharmacoeconomics, F. Randy Vogenberg, McGraw-Hill/Appleton & Lange.

4- Pharmacoeconomics: From Principles to Practice, Eric Souetre.