College of Pharmacy
Department of Pharmaceutical Chemistry
Title of the course: ***Inorganic Pharmaceutical Chemistry*** Course number: **311**

Level: 3rd Class, 1st Semester
Credit hours: **Theory 2 hours Laboratory 1 hour**
Reference text: ***1. Inorganic Medicinal and Pharmaceutical Chemistry by Block, Roche Soine and Wilson, latest edition***
2. Wilson and Gisvold; Textbook of Organic medicinal and Pharmaceutical chemistry; Delgado JN, Remers WA, (eds); latest edition

Objectives: To present a review of the principles of inorganic chemistry that applied to medicinal and /or pharmaceutical chemistry. It includes understanding atomic and molecular structures, and explanation of atomic structures and the relationship with binding forces and complexation. It also describes inorganic products used as pharmaceutical preparations or diagnostic tools.

No	Lecture title
1	Atomic and molecular structure/ Complexation.
2	Essential and trace ions: Iron, copper, sulfur, iodine.
3	Non essential ions: Fluoride, bromide, lithium, gold, silver and mercury.
4	Gastrointestinal agents: Acidifying agents.
5	Antacids.
6	Protective adsorbents.
7	Topical agents.
8	Dental agents.
9	Radiopharmaceutical preparations.
10	Radio opaque and contrast media.

hours
6
3
2
1
2
1
2
1
6
6