

Course Title	Clinical and biopharmaceutical analysis	
Course Code	BC5116	
Course type	elective	
Academic Year	2016/ 2017	
Coordinator	Prof. Tarek M Mohamed	
Other Staff	Dr. ThoriaKhalifa	
Semester	Semester Two	
Level	Level one	
Pre-Requisite	BC3204	
Course Delivery	Lecture	14 x 2h lectures
	credit	2h
Parent Department	Chemistry Department	

Contents

	Clinical biopharmaceutical analysis (1 hour/week)
Lecture 1	Types of drugs
Lecture 2	Selection of pharmaceutical compounds
Lecture 3	Preparation od drug for analysis
Lecture 4,5	Immuno techniques
Lecture 6	High performace liquid chromatography
Lecture 7,8	Application of capillary electrophoresis in pharmaceutical industry
Lecture 9	Mid term
Lecture 10	Manufacture operation
Lecture 11	Plant design
Lecture 12	Biochemical mechanisms of toxicity
Lecture 13	Statistical consideration of pharmaceutical process
Lecture 14	Assessment