1. **M.Sc. in Pharmaceutical Sciences (Pharmaceutics):** Advanced physical pharmacy	0901701	3 hours	-	3 hours	This course aims to provide the students with advanced knowledge in physical pharmacy that forms the basis for the formulation and development of stable pharmaceutical products. Targeted physical pharmacy areas include rheology, polymer science and stability and considerations in pharmaceutical raw materials and finished products.
Controlled Drug Delivery	0901703	3 hours	-	3 hours	The main objective of the course is to introduce the student to the basic fundamentals of controlled drug delivery including the advantages, factors affecting the design of successful controlled drug delivery systems and methods of characterizing these systems.
Advanced biopharmaceutics & pharmacokinetics	0901706	3 hours	-	3 hours	This course includes a study of the physicochemical, physiological, pathological, and pharmaceutical factors affecting the absorption, distribution, and elimination of drugs from the body. A review of basic pharmacokinetic principles and elaboration on model assignment and non-linear pharmacokinetics of drugs will be presented. The course will also include detailed discussion of interpretation of plasma drug concentrations, protein binding and its effect on the disposition of drugs, and principles of therapeutic drug monitoring.

Principles of membrane transport	0901705	3 hours	-	3 hours	Drug permeation through biological membranes is a crucial step in drug delivery to the site of action by nearly any route of administration. The aim of the course is to develop and enrich the student's knowledge in the area of transport across biological and non-biological membranes. The course also aims to enable the student acquire skills to plan and interpret a range of relevant research methodologies and techniques.
Product development	0901704	3 hours	-	3 hours	The course aims at developing and enriching the student's knowledge in the area of product development. In addition, it aims at providing scientific basis for research in the area of developing safe, effective, stable and pharmaceutically acceptable drug products, utilizing technical, physicochemical and biomedical information.
Seminar	0901702	-	3 hours	3 hours	The course aims to help students develop necessary kills enabling them to use up-to-date tools in retrieving information from proper sources of scientific information such as reputable data bases, to access relevant articles and criticize them, to prepare a referenced scientific report, and finally to present it orally to an audience of the teaching staff and colleagues

					in the department and respond to their inquiries.