

### Courses for M.Phil/PhD

<b>Course #</b>	<b>Course Title</b>	<b>Cr.Hrs</b>
<b>Pharm.50 1</b>	Mathematics for Pharmacists	2
<b>Pharm.50 2</b>	Statistics for Pharmacists	2
<b>Pharm.50 2</b>	Statistics for Pharmacist, Lab Work	1
<b>Pharm.50 3</b>	Computer for Pharmacists	2
<b>Pharm.50 4</b>	Research Methodology	3
<b>Pharm.50 5</b>	Bio- Products	3
<b>Pharm.50 6</b>	Plant Taxonomy	3
<b>Pharm.70 1</b>	Pharmaceutical Dosage Form	3
<b>Pharm.70 1</b>	Pharmaceutical Dosage Forms Lab Work	1
<b>Pharm.70 2</b>	Pharmaceutical Dispensing	3
<b>Pharm.70 2</b>	Pharmaceutical Dispensing Lab Work	1
<b>Pharm.70 3</b>	Validation of Quality Assurance	3
<b>Pharm.70 4</b>	Validation of Production	3
<b>Pharm.70 5</b>	Validation of Policies	2
<b>Pharm.70 6</b>	Packaging Materials	3
<b>Pharm.70 7</b>	Pharmaceutical Excipients( Binders, Diluents, Preservatives, Glidants, and Colorants)	3
<b>Pharm.70 8</b>	Pharmacy and Therapeutics	3

<b>Pharm.70 9</b>	Quality Control of Finished Dosage Forms	3
<b>Pharm.70 9</b>	Quality Control of Finished Dosage Forms Lab Work	1
<b>Pharm.71 0</b>	Metabolic Pathway I	3
<b>Pharm.71 1</b>	Metabolic Pathway II	3
<b>Pharm.71 2</b>	Electro Chemistry in Pharmacy	3
<b>Pharm.71 3</b>	Clinical Disorders and Their Management-I	3
<b>Pharm.71 4</b>	Hormones, Autacoids and Their Antagonists	3
<b>Pharm.71 5</b>	Physiology of Cardiovascular/Genito-urinal and Digestive Systems	3
<b>Pharm.71 6</b>	Physiology of Nervous System	3
<b>Pharm.71 7</b>	Pharmacology of Nervous System	3
<b>Pharm.71 8</b>	Advance Pharmacology	3
<b>Pharm.71 9</b>	Natural Products I	3
<b>Pharm.71 9</b>	Natural Products I Lab Work	1
<b>Pharm.72 0</b>	Pharmacognosy of Alkaloidal and Glycosidal drugs	3
<b>Pharm.72 1</b>	Advance Pharmacognosy	3
<b>Pharm.72 2</b>	Small Laboratory Project Work	1
<b>Pharm.72 3</b>	Seminar	1
<b>Pharm.72 4</b>	Special Topic in Experimental Pharmacology	3
<b>Pharm.80 1</b>	Kinetic principles and Stability Testing	3
<b>Pharm.80 1</b>	Kinetic principles and Stability Testing Lab Work	1

<b>Pharm.80 2</b>	Drug Stability	3
<b>Pharm.80 3</b>	Formulation of Injections	3
<b>Pharm.80 4</b>	Spectrophotometric Methods of Pharmaceutical Analysis	3
<b>Pharm.80 5</b>	Mass Spectrometry	3
<b>Pharm.80 6</b>	Advance Instrumental Techniques	3
<b>Pharm.80 7</b>	Drug Metabolism	3
<b>Pharm.80 8</b>	Synthetic Chemistry-I	3
<b>Pharm.80 9</b>	Biopolymers	3
<b>Pharm.81 0</b>	Clinical Disorders and Their Management-II	3
<b>Pharm.81 1</b>	Antibiotic & Chemotherapeutic agents	3
<b>Pharm.81 2</b>	Pharmacology of Cardiovascular/Genito-urinal and Digestive Systems	3
<b>Pharm.81 3</b>	The Drug Therapy of Disease-I	3
<b>Pharm.81 4</b>	Natural Products-II	3
<b>Pharm.81 5</b>	Phyto Chemistry	3
<b>Pharm.81 6</b>	Neurotransmitters systems and Drug dependence mechanisms	3
<b>Pharm.81 7</b>	Tablets (Solid dosage form)	3
<b>Pharm.81 8</b>	Smart or Intelligent Hydrogels	3
<b>Pharm.81 9</b>	Polymers in Control Drug Delivery	3
<b>Pharm.82 0</b>	Carbohydrate Chemistry	3
<b>Pharm.82 1</b>	Morphology and Histology of Crud Drugs	3

<b>Pharm.82 1</b>	Morphology and Histology of Crud Drugs Lab work	1
<b>Pharm.82 2</b>	Medicinal And Poisonous Plants of Pakistan	3
<b>Pharm.82 2</b>	Medicinal And Poisonous Plants of Pakistan Lab work	1
<b>Pharm.82 3</b>	Special Topics in Pharmacognosy.	3
<b>Pharm.82 4</b>	Special Topics in Experimental Pharmacology	3
<b>Pharm.82 5</b>	Advance Pharmacokinetics and Pharmacodynamics	3
<b>Pharm.82 6</b>	Design And Development of Radio Pharmaceuticals	3
<b>Pharm.82 7</b>	Advance Organic Chemistry	3
<b>Pharm.82 8</b>	Special Topics in Pharmaceutical Chemistry	3
<b>Pharm.82 9</b>	Spectrofluorimetric methods for Pharmaceutical analysis	3
<b>Pharm.83 0</b>	Pharmacology of anticonvulsant drugs	3