

<b>Name of the Course &amp; Code:</b>		<b>MODERN PHARMACEUTICAL ANALYTICAL TECHNIQUES LAB - 21S01105</b>			
<b>Programme :</b>	M.Pharmacy	<b>Department :</b>	Pharmaceutics		
<b>Semester :</b>	I	<b>Internal Exam :</b>	40 Marks	<b>External Exam:</b>	60 Marks

**Course Outcomes:**

- C031105.1 Analysis of pharmacopoeial compounds by spectroscopic technique.
- C031105.2 Perform to select suitable analytical techniques for the qualitative and quantitative evaluation of drugs
- C031105.3 Apply the theoretical knowledge of instruments for effective practical handling and use.
- C031105.4 Estimate the compounds by various chromatographic compounds.
- C031105.5 Evaluate structure of organic compounds using suitable spectroscopic tools.

<b>Name of the Course &amp; Code:</b>		<b>MODERN PHARMACEUTICS – I LAB - 21S03204</b>			
<b>Programme :</b>	M.Pharmacy	<b>Department :</b>	Pharmaceutics		
<b>Semester :</b>	I	<b>Internal Exam :</b>	40 Marks	<b>External Exam:</b>	60 Marks

**Course Outcomes:**

- C031106.1 Understand the importance of preformulation studies and gain knowledge on analytical techniques for estimation of pharmaceutical active ingredients and their formulations.
- C031106.2 To study the effect of excipients on dissolution of tablets.
- C031106.3 Application of Pharmacokinetic models to determine similarity factors.
- C031106.4 Determine the rate constants by acid and alkaline hydrolysis.
- C031106.5 Prepare and evaluate the tablets by different excipients and compare with marketed products.

<b>Name of the Course &amp; Code:</b>		<b>MODERN PHARMACEUTICS – II LAB - 21S03205</b>			
<b>Programme :</b>	M.Pharmacy	<b>Department :</b>	Pharmaceutics		
<b>Semester :</b>	II	<b>Internal Exam :</b>	40 Marks	<b>External Exam:</b>	60 Marks

**Course Outcomes:**

- C031205.1 Recall about the solid, liquid and semi-solid dosageforms.
- C031205.2 To prepare and evaluate the creams and lotions.
- C031205.3 To prepare and evaluate the various types of tablets.
- C031205.4 To study the effect of surfactant on drug releasestudies.
- C031205.5 Apply the sophisticated analytical technique in evaluating the drug release studies of tablets and creams.

<b>Name of the Course &amp; Code:</b>		<b>ADVANCED DRUG DELIVERY SYSTEMS LAB - 21S03206</b>			
<b>Programme :</b>	M.Pharmacy	<b>Department :</b>	Pharmaceutics		
<b>Semester :</b>	II	<b>Internal Exam :</b>	40 Marks	<b>External Exam:</b>	60 Marks

**Course Outcomes:**

- C031206.1 Acquire knowledge in carrying out the diffusionstudies of various dosage forms.
- C031206.2 To prepare and evaluate the microspheres.
- C031206.3 Dissolution studies of sustained release products inmarket.
- C031206.4 Formulate and evaluate novel drug delivery systems.
- C031206.5 Apply the sophisticated analytical technique inevaluating the in-vitro studies of novel drug deliveriesystems.