

The selected topics included in the Orientation Lecture for the Students

#	Course Name	Code	Topics	Targeted PLOs						Faculty Member	
				K1	S1	S2	S3	S4	V1		V2
1	221CHET	Separation Process	<div>➤ Introduction to Separations</div> <div>➤ Flash Distillation</div> <div>➤ Column Distillation</div> <div>➤ Internal Balances</div> <div>➤ Multicomponent Distillation</div> <div>➤ Batch Distillation</div> <div>➤ Liquid-liquid Extraction</div> <div>➤ Mass Transfer Analysis</div> <div>Membrane Separations</div>	√	√	√		√	√	√	Dr. Santhi Raju Pilli
2	231CHET	Environmental Pollution	<div>➤ Introduction to basic of chemical analysis, terminologies, units, notations, instruments, and uses. Illustrate the objectives of the course for the students.</div> <div>➤ Classification of chemical analysis</div> <div>➤ Quantitation in Instrumental Analysis</div> <div>➤ The Standard Addition Method</div> <div>➤ Infrared Spec</div> <div>➤ UV spec</div> <div>➤ HNMR Spec</div>	√	√	√		√	√	√	Dr. Mohammad Ehtisham Khan

#	Course Name	Code	Topics	Targeted PLOs						Faculty Member	
				K1	S1	S2	S3	S4	V1		V2
3	222CHET	Chemical Engineering Thermodynamics	<p>➤ Introduction to Petroleum: Origin and occurrence, composition, classification and physico-chemical properties</p> <p>➤ Separation Processes: Distillation of Crude Oil, Distillation of Light Ends Units</p> <p>➤ Thermal and Catalytic Conversion Processes, Hydrotreating,</p> <p>➤ Natural Gas Processing</p> <p>➤ Discovering and drilling Processes and oil production, Oil and gas reserves in Saudi Arabia</p> <p>Function of Saudi Aramco processing & distribution facilities</p>	√	√	√		√	√		Dr. Wahid Ali
4	223CHET	Process Heat Transfer	<p>➤ Definitions And Fundamental Concepts:</p> <ul style="list-style-type: none">- Introduction to heat transfer.- Modes and Laws of Heat transfer. <p>➤ Introduction to Heat Exchangers:</p> <ul style="list-style-type: none">- Heat Transfer Equipment. Dimensionless Numbers.- Heat exchangers and their types. Flow types and LMTD calculation.- Application of Heat exchangers.	√	√	√		√	√	√	Dr. Wahid Ali

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