

**SHAHID VIRPATNI LAXMI MAHAVIDYALAYA, TITAVE****Department of Analytical Chemistry****Knowledge Bank****M.Sc. Analytical Chemistry****Semester: IV M.Sc. II Year**

<b>Sr No.</b>	<b>Name of the Course</b>	<b>Subject Teacher Name</b>	<b>Link</b>
1	Advanced Analytical Techniques	Miss. Pooja. P. Patil	<b>Advanced Electro-analytical methods</b>
			<b>Amperometric Titrations: Principle, Instrumentation, Titration curves.</b>
			<a href="https://www.youtube.com/watch?v=lrdeauk2QUI">https://www.youtube.com/watch?v=lrdeauk2QUI</a>
			<b>Methods: Differential Pulsed polarography</b>
			<a href="https://www.youtube.com/watch?v=diNvTUoYfmo">https://www.youtube.com/watch?v=diNvTUoYfmo</a>
			<b>Square Wave Polarography</b>
			<a href="https://www.youtube.com/watch?v=ApCsJ53FpE0">https://www.youtube.com/watch?v=ApCsJ53FpE0</a>
			<b>Cyclic voltammetry.</b>
			<a href="https://www.youtube.com/watch?v=ZjH4I8uL0nY">https://www.youtube.com/watch?v=ZjH4I8uL0nY</a>
			TGA :- Principles, Instrumentation, Application
			<a href="https://www.youtube.com/watch?v=5YXXz6c1QwQ">https://www.youtube.com/watch?v=5YXXz6c1QwQ</a>
			DTA :- Principles, Instrumentation, Application
			<a href="https://www.youtube.com/watch?v=cn1lsnDvPe8">https://www.youtube.com/watch?v=cn1lsnDvPe8</a>
			DSC :- Principles, Instrumentation, Application
			<a href="https://www.youtube.com/watch?v=q52bE4fBTJI">https://www.youtube.com/watch?v=q52bE4fBTJI</a>
			Isotope dilution method
			<a href="https://www.youtube.com/watch?v=U7VyXTZoJXQ&amp;list=PLAFyoFAPvecBXCrh9qZ6J84hjEoiRitKZ">https://www.youtube.com/watch?v=U7VyXTZoJXQ&amp;list=PLAFyoFAPvecBXCrh9qZ6J84hjEoiRitKZ</a>
Auger electron spectroscopy			
<a href="https://www.youtube.com/watch?v=jKd4VgHh_2M">https://www.youtube.com/watch?v=jKd4VgHh_2M</a>			
Scanning Electron Microscopy			
<a href="https://www.youtube.com/watch?v=m0JanFyf87w">https://www.youtube.com/watch?v=m0JanFyf87w</a>			
d) Computers in Analytical chemistry: Computer terminology, Components of computer, Computer software-Scientific packages, Applications of computers-Passive and Active, Computers networks, Lab Information Management System (LIMS).			
<a href="https://www.youtube.com/watch?v=bpMFdDfnhrM&amp;list=PLDjIJRH6sIC5hTX_A-xgsvS48m2pZ_Aqg">https://www.youtube.com/watch?v=bpMFdDfnhrM&amp;list=PLDjIJRH6sIC5hTX_A-xgsvS48m2pZ_Aqg</a>			
Green Analytical Methods			
<a href="https://www.youtube.com/watch?v=EvoN6vmiCfI&amp;list=PLKSeO-scpOo33zdDN0i2uw1Xh3zh_UfGO">https://www.youtube.com/watch?v=EvoN6vmiCfI&amp;list=PLKSeO-scpOo33zdDN0i2uw1Xh3zh_UfGO</a>			