

Lecture Notes On Instrumental Methods Of Analysis

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lecture 1 introduction to instrumental analysis
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(Instrumental Analysis) Analytical Chemistry II
Before coming to class, fill in pgs 1-2 in the class notes chromatography class notes Check out the info for the column we will be using in class: Agilent Eclipse C18 Powerpoint- Chromatography. 3-28 Mass Spectrometry Reading: Skoog n' Holler Chapter 11, 20 Powerpoint- Mass spec. 4-4 Separations Instrumentation

Lectures | Instrumental Analysis
The advantages of instrumental methods over classical methods include: 1. The ability to perform trace analysis, as we have mentioned. 2. Generally, large numbers of samples may be analyzed very quickly. 3. Many instrumental methods can be automated. 4. Most instrumental methods are multi-channel techniques (we will discuss these shortly). 5.

Classification of Analytical Techniques
Instrumentation:Sources emitting radiation characteristic of element of interest (hollow - cathode lamp), flame or electrically heated furnace, monochromator, detector (photomultiplier) and recorder. The following is the simplified outline of the instrumentation: Fig. 2.

INSTRUMENTAL CHEMICAL ANALYSIS: BASIC PRINCIPLES AND ...
CHM 311 Instrumental Analysis. Welcome to the course website for fall 2017.

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Introduction to the Modern Instrumental Methods of Analysis; Atomic Structure: Physical Properties of Electromagnetic Radiation; Interaction of Matter with Radiation: Molecular spectroscopy. Ultraviolet and Visible Spectrophotometry -1 i. Theoretical Aspects: Ultraviolet and Visible Spectrophotometry -2 ii. Theoretical Aspects

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advantages of instrumental methods over classical methods
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