

NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

NPTEL Video Course - Chemical Engineering - NOC:Trace and Ultra-trace Analysis of Metals using Atomic Absorption Spectrometry

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Co-ordinating Institute - IISc - Bangalore

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

- Lecture 1 - Course Introduction
- Lecture 2 - Atomic structure - I
- Lecture 3 - Atomic structure - II
- Lecture 4 - Electronic arrangement in the Elements - I
- Lecture 5 - Electronic arrangement in the Elements - II
- Lecture 6 - Interaction of EM radiation with matter - I
- Lecture 7 - Interaction of EM radiation with matter - II
- Lecture 8 - Interaction of EM radiation with matter - III
- Lecture 9 - Interaction of EM radiation with matter - IV
- Lecture 10 - Theoretical basis of AAS - I
- Lecture 11 - Theoretical basis of AAS - II
- Lecture 12 - Theoretical basis of AAS - III
- Lecture 13 - Theoretical basis of AAS - IV
- Lecture 14 - Instrumentation in AAS - I
- Lecture 15 - Instrumentation in AAS - I (Continued...) Radiation Sources
- Lecture 16 - Instrumentation in AAS Radiation Sources
- Lecture 17 - Instrumentation in AAS - III
- Lecture 18 - Instrumentation in AAS - IV
- Lecture 19 - Instrumentation in AAS - V
- Lecture 20 - Instrumentation in AAS - VI
- Lecture 21 - Instrumentation in AAS - VII
- Lecture 22 - Interferences in AAS
- Lecture 23 - Background correction on flame AAS - I
- Lecture 24 - Interferences in AAS - II
- Lecture 25 - Interferences in AAS - III
- Lecture 26 - Hydride Generation AAS - I
- Lecture 27 - Hydride Generation AAS and Cold Vapour Hg AAS
- Lecture 28 - Cold vapor Hg AAS Flame Emission
- Lecture 29 - Mercury cold vapour technique, FAES and Electrothermal AAS

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- Lecture 30 - Electrothermal AAS - II
- Lecture 31 - GF AAS Interferences - I
- Lecture 32 - GF AAS Interferences - II
- Lecture 33 - Interference in ETAAS GF AAS
- Lecture 34 - Individual Elements AAS
- Lecture 35 - Methods, Nomenclature and techniques
- Lecture 36 - Technology and Applications - I
- Lecture 37 - Technology and Applications - II
- Lecture 38 - Conclusions