

(Textile Engineering Department)

Undergraduate

Course Title: **Analytical Chemistry Lab**

Prerequisite: Analytical Chemistry

Number of Credits: 1

Lecturer: Mrs. Mahmoudi

Course Topics:

- General safety laboratory
 - Determination of weak acid dissociation constant by pH evaluation
 - Acid-Base conductometric titration
 - Oxidation and reduction titration
 - Weak acid- base titration
 - Determination of hardness of water by EDTA
 - Determination of chlorine concentration by iodometric method
 - Iodine extraction by liquid-liquid extraction method
 - Sedimentation Titration (Gravimetric methods)
 - Preparation of buffer solutions
 - Spectrophotometry
 - Acid-Base titration
 - Determination of N2 by Kjedahl method
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Reading Resources:

- Fundamental of analytical chemistry by Skoog