**بعض الكتب والمراجع**

Analytical Instrumentation Handbook

undergraduate instrumental analysis ,sexth edetion by tames W.ROBINOS,EILEEN M.SKELLY FRAME

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| Weeks # | Labe subjects |
| Week 1 | spectrophotometer |
| Week2 | Double beam spectrophotometer |
| Week3 | atomic absorption spectroscopy |
| Week4 | Mid 1 exam |
| Week5 | Turbidimetery& nephlpmetery |
| Week 6 | Osmometry |
| Week 7 | Mid 2 exam |
| Week 8 | Fluorometer |

Principles of Instrumental Analysis by  douglas A. Skoog F.james -2007

Assessment methods:

* 25 marks for practical;
* 20% for first midterm exam
* 20% for second midterm exam
* 8%for home works: each student should prepare presentation for on of these subjects
* 40% for final exam