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| List of Topics | No. of  Weeks | Contact Hours |
| 1- Qualitative and Quantitative Analysis. | 1.5 | 3 |
| .  2- Study of solutions. | 1 | 2 |
| 3- Concentrations Definitions. | 2 | 4 |
| Equilibrium. |  |  |
| 4- Acid Base, Precipitation, Complex Formation, Oxidimetric, Equilibrium. | 7 | 12 |
| 5- Solubility Product Ksp | 1.5 | 3 |
| 6- Calculations. | 2 | 4 |

List of topics (251 chem.)

Reference: الكيمياء التحليلية (أ.د. سعد الطمرة)

**Exames:**

First exam: 24/ 4 الاثنين Time 11 - 12 10 marks

Second exam:الاثنين 30/5 Time 11-12 10 marks

Quizes + home works 10 marks

Practical: 30 marks

Total: 60 marks