

Ankara Üniversitesi
Kütüphane ve Dokümantasyon Daire Başkanlığı
Açık Ders Malzemeleri
Schedule

| Weeks | Weekly Topics |
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| 1st week | <ul style="list-style-type: none">• INTRODUCTION OF COURSE SCHEDULE• GENERAL INFORMATION ABOUT LABORATORY RULES AND LABORATORY SAFETY• INTRODUCTION OF MACHINE-EQUIPMENT AND MATERIALS TO BE USED FOR THE COURSE |
| 2nd week | <ul style="list-style-type: none">• BIOCHEMICAL SOLUTIONS• Preparation of solutions• % solutions, molar solutions, normal solutions, osmolar solutions, isotonic solutions, molal solutions, ppm solutions |
| 3rd week | <ul style="list-style-type: none">• PREPARING SOLUTIONS BASED ON DILUTION CALCULATIONS• PREPARING SOLUTIONS ACCORDING TO THE AMOUNT OF SOLUTE |
| 4th week | <ul style="list-style-type: none">• ASSAYS FOR PREPARATION OF BIOCHEMICAL SOLUTIONS• Reporting observations and results |
| 5th week | <ul style="list-style-type: none">• ACID, BASE AND BUFFER SOLUTIONS |
| 6th week | <ul style="list-style-type: none">• ASSAYS FOR PREPARATION OF ACID, BASE, AND BUFFER SOLUTIONS• Reporting observations and results |
| 7th week | <ul style="list-style-type: none">• TITRATION |
| 8th week | <ul style="list-style-type: none">• ASSAYS FOR ACID, BASE, AND AMINO ACID TITRATIONS• Reporting observations and results |
| 9th week | <ul style="list-style-type: none">• QUALITATIVE ANALYSIS OF AMINO ACIDS AND PROTEINS• Explanation of qualitative observation principles• Ninhydrin assay, xanthoprotein assay, qualitative biuret assay• Reporting observations and results |
| 10th week | <ul style="list-style-type: none">• MID-TERM EXAM |

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| 11th week | <ul style="list-style-type: none"> • QUALITATIVE ANALYSIS OF CARBOHYDRATES • Explanation of qualitative observation principles • Effects of acids on carbohydrates; Molisch experiment application • Effects of alkalis on carbohydrates; Moore experiment application • Reporting observations and results |
| 12th week | <ul style="list-style-type: none"> • REDUCTION OF CARBOHYDRATES; PICRIC ACID EXPERIMENT, QUALITATIVE BENEDICT TEST • Reporting observations and results |
| 13th week | <ul style="list-style-type: none"> • QUALITATIVE ANALYSIS OF LIPIDS • Explanation of qualitative observation principles • Salkowski test, dichromate test • Reporting observations and results |
| 14th week | <ul style="list-style-type: none"> • Repetition of the subjects discussed during the semester. Answering and discussing questions from students. • Final Exam |