**Ankara Üniversitesi**

**Kütüphane ve Dokümantasyon Daire Başkanlığı**

**Açık Ders Malzemeleri**

Çalışma Planı (Weekly Course Flow)

| **Weeks** | **Topics** |
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| 1.Week | Errors in Chemical Analysis |
| 2. Week | Systematic Errors and Random Errors in Analysis |
| 3. Week | The concept of Accuracy and Precision |
| 4. Week | Systematic errors, detection and elimination of systematic error sources |
| 5. Week | Random error sources |
| 6. Week | Statistical Evaluation of Random Errors |
| 7. Week | Standard deviation of calculated results |
| 8. Week | Significant figures |
| 9. Week | Processing and Evaluation of Statistical Data, Confidence Intervals |
| 10. Week | Hypothesis testing, comparison of averages |
| 11. Week | Comparison of Precision, Analysis of Variance (ANOVA) |
| 12. Week | Determination of Rough Errors, Q-test |
| 13. Week | Sampling, Standardization and Calibration |
| 14. Week | Calibration, Sensitivity, Detection Limit, Control Cards, Validation |