**COMPUTER USAGE AND CALCULATION IN ANALYTICAL CHEMISTRY**

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| 1. **WEEK** | Analytical model designs depending on temperature, pressure, pH, wavelength, absorbance, fluorescence and chromatographic capacity factor. |
| 1. **WEEK** | Regression analysis |
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| 1. **WEEK** | Writing and using algorithms for calibrations. |
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| 1. **WEEK** | Calculation of selectivity and sensitivity in calibrations |
| 1. **WEEK** | Transformation methods of analytical signals. |
| 1. **WEEK** | **Mid-Term** |
| 1. **WEEK** | Application of computer programs regarding analytical methods and calculations. |
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| 1. **WEEK** | Basic mathematical calculations. |
| 1. **WEEK** | Purity calculations. |
| 1. **WEEK** | Analytical laboratory devices and their calibrations |
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