

Quantitative Analysis

Lecture-Nr.: 51731

Type: practical course

Duration: 10 hours per week (summer)

Method of Assessment: written examination (on lab course and corresponding lecture)

ECTS Credit Points: 10

Topics:

The lab course comprises different titrimetric/volumetric methods for the quantitative determination of acids, bases, cations and anions according to monographs of the European Pharmacopoeia. Nine analyses have to be performed: acid/base titration, redox, compleximetric, argentometric and iodometric titration.

Literature:

1. European Pharmacopeia / Europäisches Arzneibuch
2. Harris. Quantitative Chemical Analysis: Freeman and Company, Houndmills.
3. Skoog and West's Fundamentals of Analytical Chemistry. Cengage Learning (Emea), Hampshire.
4. Jander; Jahr: Maßanalyse. de Gruyter, Berlin.
5. Practical instructions provided as course material.

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