

Instrumental Analysis II

Lecture-Nr.: 53760

Type: practical course

Duration: Thursday, 12.00 a.m. – 18.00 p.m. (winter)

Method of Assessment: oral examination

ECTS Credit Points: 6

Topics:

Study groups and exercises constitute an integrated course package. The course provides theoretical and practical knowledge of a wide variety of analytical techniques, including chemical, chemical-physical and physical analytics. The students shall become acquainted with the possibilities and limitations of different analytical methods. Practical exercises using several analytical methods, such as UV/Vis-spectroscopy, IR-spectroscopy, fluorescence spectroscopy, refractometry, NMR-spektroskopie, polarimetry, HPLC and thin layer chromatography will be performed by the students. This also comprises preparation of analytical samples and interpretation of spectra and chromatograms. The students have to fix the experiments performed in brief, clearly, and unambiguously written reports. The reports shall reflect the real performance of the procedure and not be a copy of references. The correctness of the reports has to be confirmed by the responsible course teachers

Contact Information:

Prof. Dr. Siavosh Mahboobi

Department of Pharmaceutical and Medicinal Chemistry I

Phone +49 941 943-4824

E-mail Siavosh.Mahboobi@ur.de