

Pharmaceutical Science I (薬学科学特論 I)

Lecturer: Hideji Tanaka (Professor, Tokushima University Graduate School, Department of Analytical Sciences)

Schedule: Tuesday 18:15 - 19:45

Lecture room: Professor's Room in Analytical Sciences Lab. (4F), Faculty of Pharmaceutical Sciences

Date		Subjects
1	Apr	16 Outline of this class
2		23 Introduction of analytical chemistry
3	May	7 Physical quantity and International System of Units
4		14 Significant figures and propagation of uncertainty
5		28 Introduction of automated analysis
6	Jun	4 Flow injection analysis
7		11 Sequential injection analysis and related techniques
8		18 Computer-based measurement and signal processing
9		25 Feedback-based flow ratiometry and its application to flow titration and the determination of distribution (partition) constant
10	Jul	2 Air-segmented feedback-based flow ratiometry
11		9 Discrete Fourier transform for flow analysis
12		16 Amplitude modulated multiplexed flow analysis for the analysis of multiple samples
13		23 Amplitude modulated multiplexed flow analysis for the determination of multiple analytes in a sample
14		30 Internal standard - amplitude modulated multiplexed flow analysis for higher robustness
15	Sep	3 General discussions