



The University of Hong Kong

Department of Chemistry

CHEM2003/2410: Introductory Instrumental Chemical Analysis/ Analytical Techniques for Pharmacy Students

SEMESTER	Spring 2013
MEETING TIME	Monday 12:30 am – 14:20 pm
LOCATION	T3
COORDINATOR/ INSTRUCTOR	Dr. Xiang David LI (Coordinator) 8N-12 Kadoorie Biological Science Building The University of Hong Kong Office Phone: 2299-0777 Email: xiangli@hku.hk Dr. Jinyao TANG 8N-20 Kadoorie Biological Science Building The University of Hong Kong Office Phone: 2299-0369 Email: jinyao@hku.hk
TUTORS	Tangpo Yang (tpyang@hku.hk) and Xin Li (lxpontifex@gmail.com)
OFFICE HOURS	Dr. Xiang David LI: 3:00PM – 4:00 PM Tuesday by appointment . Dr. Jinyao TANG: 3:00 PM-4:00 PM Tuesday
TEXTBOOK	D.A. Skoog, F.J. Holler, S.R. Crouch, Principle of instrumental analysis (Thomson, 6 th ed.) D.A. Skoog, D.M. West, F.J. Holler, S.R. Crouch, Fundamentals of Analytical Chemistry (Thomson, 8 th ed.)
COURSE OBJECTIVES	<ul style="list-style-type: none">• To understand the principles and applications of spectroscopic techniques, including Infrared (IR) spectroscopy, Ultraviolet-Visible (UV/Vis) spectroscopy, Atomic spectroscopy, Molecular Fluorescence spectroscopy, Mass Spectrometry (MS), and separation methods, including Gas Chromatography (GC) and High Performance Liquid Chromatography (HPLC).• To learn experimental skills in chemical and instrumental analysis (for Lab sessions).
TEACHING METHODOLOGY	<ul style="list-style-type: none">• Lectures• Mid-term test• Final exam

**COURSE
COMMUNICATIONS**

- The coordinator will not reply your emails unless they are sent from your HKU email account (@hkusua.hku.hk). Also, emails need to have a greeting and a signature (i.e., your name).
- Course-related communications such as syllabus, lecture notes, announcements, assignments, grade/score notifications and other documentation will be available for students on **Moodle** (1. Login your HKU Portal at <https://hkuportal.hku.hk>; 2. Select My eLearning tab; 3. clicking "Moodle" link under the section "Course accessible in Moodle")

**ADMINISTRATIVE
POLICIES**

- **Attendance and participation:**
University policy requires that students attend classes on a regular basis. Students are advised to take the attendance issue very seriously. Students are expected to actively participate in the class and to participate in discussions. Questions are welcome for discussion as long as the question fits in the scope of discussion.
- **Midterm Test:**
There are **no re-does or make-ups** for midterm tests missed.
- Inappropriate in-class behavior (including but not limited to: cell phones usage, eating, reading unrelated material, excessive talking with your neighbors etc.) will result in a one-time warning, there will not be a second warning and for each subsequent event you will be asked to leave the class immediately without discussion.

STUDENT EFFORT AND OVERALL EVALUATION

Grading

Grades will be given for each assignment/project with 100 maximum points for the following items.

Final exam	75%
Mid-term test	10%
Lab	15%

Total	100%
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