

Infrared and Raman Spectroscopy

14 January 2017, 10:00-17:00

HAN, Laan van Scheut 2, Nijmegen

Content

This one-day course focuses on the basic principles of infrared and Raman spectroscopy and how to interpret data for IR and Raman analysis.

Target audience

The course is taught in the framework of the Analytical Sciences Talent Program (ASTP) for top talents in vocational education (HLO/Universities of Applied Sciences) in the second year of their program (ASTP-1). Therefore, the course is well fit for employees at that level.

Topics

- Introduction to spectroscopy (general)
- Properties of light
- Electronic absorption and emission (fluorescence)
- Infrared spectroscopy (including Attenuated Total Reflection spectroscopy)
- Interpretation of Infrared spectra
- Raman spectroscopy (including Resonance Raman spectroscopy)
- Recent Raman developments

Lecturer

Dr. Freek Ariese

Associate Professor at the LaserLab of VU University Amsterdam



Freek Ariese studied chemistry at the University of Amsterdam and obtained his PhD at VU University Amsterdam in 1993 for his research on fluorescence spectroscopy under cryogenic conditions (Shpol'skii spectroscopy). After his PhD Ariese worked at Iowa State University (USA) and after his return to the Netherlands at the Institute for Environmental Studies (IVM-VU). Since 1999 Ariese has worked at VU LaserLab on fluorescence and Raman spectroscopy, including Raman microscopy and time-resolved Raman methods. He teaches various spectroscopic courses at the bachelor, master and PhD level, and is

involved in the management of the LaserLab VU. He has recently become part-time visiting professor at the Indian Institute of Science in Bangalore, where he is working - of course - on Raman spectroscopy.

At the end of the course

You will have gained knowledge of the basics of Infrared and Raman Spectroscopy, its applications and recent developments.

Course duration and time investment

Course duration:	1 day from 10:00 till 17:00
Company time:	0 hours (as this course is on a Saturday)
Participant's investment:	1 day + optional self-study

Extra Information

This course is part of the Saturday's program of ASTP and is taught every year.

Course fees:

- €800 (ex. BTW/VAT) per day
- COAST members pay a reduced fee of €400 per day (ex. BTW/VAT) or use a wildcard
- ASTP / MSc+ students: Free

Special fees can be offered to PhD students and companies registering for three or more persons.

For up-to-date information about the course program visit our website at www.ti-coast.com/L3.

Please contact us for more information.

Registration

To register fill out, sign and email the form attached to lifelonglearning@ti-coast.com.

Registration Form

Infrared and Raman Spectroscopy
14 January 2017, 10:00-17:00
HAN, Laan van Scheut 2, Nijmegen

Name	
Organization	
Address	
Billing address (if different from above)	
Educational background	
Email address	
Phone number	

Payment

- I will pay the full course fee of €800 per day (ex. BTW/VAT)
- I qualify for 50% discount, because my employer is a COAST participant, and will pay €400 per day (ex. BTW/VAT)
- I am a PhD student and will pay €400 per day (ex. BTW/VAT)
- I am a PhD student from a group participating in COAST and will pay €200 (ex. BTW/VAT) per day
- I have received a wildcard from: Therefore, I will follow this course for free (note: this person must receive a copy of your registration mail, to indicate approval)

Date:

Place:

Signature:

To register, please email the duly signed registration form to lifelonglearning@ti-coast.com