

Polymer Analysis

11 February 2017, 10:00 - 17:00

HAN, Laan van Scheut 2, Nijmegen

Content

During this day you will receive information on analytical chemistry at DSM, topics will focus on material sciences and NMR spectroscopy.

During this workshop we will treat two cases in which an analytical strategy needs to be developed by each group. Case A is dealing with the complete analysis of polyamides and case B is about a small heterocyclic drug compound named Remeron. Each case is, by definition, divided into three parts: sample preparation (1), separation (2) and detection/ structural identification (3). Each group has to answer the questions, which are given in their part.

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 final year of their program (ASTP-3). Therefore, the course is well fit for employees at that level.

Topics

- Background information DSM
- DSM in Geleen
- DSM Resolve
- Analytical chemistry @ DSM (focusing on material Sciences)
- NMR spectroscopy
- Case studies

Lecturers

Ard Kolkman

Scientist liquid state NMR, DSM Resolve Geleen.

Ard obtained his BSc in chemistry from Saxion Hogescholen in 2007. In 2012 he received his PhD in Chemistry from the Radboud University Nijmegen at the department of Biophysical Chemistry. His research focused on the binding of drug compounds to P450BM3 enzymes by means of mainly NMR, UV and resonance RAMAN spectroscopy. Since 2012 he works as a scientist liquid state NMR at DSM Resolve in Geleen.

At the end of the course

You will have gained understanding of the basics of Polymer Analysis, and knowledge of key 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

Polymer Analysis
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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