FOR WHOM?
The course is intended for anybody involved in concentration, including process and product developers, technologists and plant operational staff. Speakers from NIZO, academia and industry will guide you through the topics from scientific understanding to its practical implications.

WHY COME TO THIS COURSE?
• Improve or refresh your understanding of evaporation and membrane concentration technology
• Gain new insights into strategies to optimize your evaporator
• Get updated on the latest scientific and technological developments for product-process optimization
• Expand your network of scientists and industry experts in the field of evaporation and membrane concentration

THIS COURSE WILL BE LED BY:
DR KEVIN VAN KOERTEN, EXPERT PROCESSING AND PETER HEUSINKVELD, BUSINESS DEVELOPMENT MANAGER AT NIZO
MEMBRANE CONCENTRATION & EVAPORATION:
FROM THEORY TO PRACTICE

Tuesday January 21st

8.30  Coffee and reception
9.00  Opening: Introduction to the course
      Dr. Kevin van Koerten and Peter Heusinkveld, NIZO
9.15  Membrane concentration: Theory
      Dr. Peter de Jong, NIZO
10.15 Coffee/tea break
10.45 Membrane concentration: Theory
      Dr. Peter de Jong, NIZO
11.45 Cleaning of membranes
      Dolf v.d. Berg, CIPADIN
12.30 Membrane screening from scratch to final design
      Durieta Allersma BSc, NIZO
13.15 Lunch
14.00 Membrane concentration as alternative for evaporation
      Markus Kyburz MSc, Dow
14.45 Microbial fouling
      Dr. Marjon Wells-Bennik, NIZO
15.15 Hands-on case study: Membrane concentration
      Dr. Kevin van Koerten, NIZO
16.15 Coffee/tea break
16.45 Hands-on case study: Membrane concentration
      Dr. Kevin van Koerten, NIZO
18.00 Course dinner

Wednesday January 22nd

8.30  Coffee and reception
8.55  Welcome and introduction to day 2
      Dr. Kevin van Koerten and Dr. Luanga Nchari, NIZO
9.00  Evaporation: Theory
      Dr. Kevin van Koerten & Dr. Luanga Nchari, NIZO
10.30 Coffee/tea break
10.45 Practical case study from industrial practice
      Dr. Martijn Fox, FrieslandCampina
11.30 Evaporation: Theory
      Dr. Kevin van Koerten & Dr. Luanga Nchari, NIZO
12.30 Tour of pilot plant and lab facilities
13.15 Lunch
14.15 100% electric falling film evaporators
      Gerard Pasma, Tetrapak
15.00 Hands-on case study: Evaporator optimization
      Dr. Kevin van Koerten, NIZO
15.30 Coffee/tea break
16.00 Hands-on case study: Evaporator optimization
      Dr. Kevin van Koerten, NIZO
17.00 Wrap up

COURSE FEE:
Package 1: € 1850,- excl. VAT
Package 2: € 1990,- excl. VAT, incl 1 night hotel stay, incl breakfast and taxi
Package 3: € 2130,- excl. VAT, incl 2 nights hotel stay, incl breakfast and taxi
Register for the course on Spray drying as well, and receive a € 500,- discount

FOR REGISTRATION FORM SURF TO
www.nizo.com/events-courses/
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