

**PROGRAM VLAG International Advanced Course**  
**Reaction Kinetics in Food Science, 10<sup>th</sup> Edition**  
**June 11-16, 2018**

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**Monday 11 June**

8.30-9.00	Registration	
9.00-10.30	Introduction to the Course; Models and Modelling	Tiny van Boekel
10.30-10.45	Coffee/tea break	
10.45-12.30	Reaction Kinetics: general principles	Bronek Wedzicha
12.30-13.30	Lunch	
13.30-15.15	Statistics and Kinetics 1	Tiny van Boekel
15.15-15.30	Coffee/tea break	
15.30-17.00	Computer exercises	

**Tuesday 12 June**

8.30-9.30	Statistics and Kinetics 2	Tiny van Boekel
9.30-10.15	Modelling a complex reaction: Maillard reaction	Bronek Wedzicha
10.15-10.30	Coffee/tea break	
10.30-11.15	Modelling a complex reaction: Maillard reaction	Bronek Wedzicha
11.15-11.30	Coffee/tea break	
11.30-12.30	Modelling a complex reaction: Maillard reaction	Bronek Wedzicha
12.30-13.30	Lunch	
13.30-14.15	Multiresponse modelling	Tiny van Boekel
14.15-15.15	Food: a complex reaction medium	Bronek Wedzicha
15.15-15.30	Coffee/tea break	
15.30-17.00	Computer exercises	

**Wednesday 13 June**

8.30-10.00	Kinetics of microbial growth part 1	Heidy den Besten
10.00-10.15	Coffee break	/Marcel Zwietering
10.15-11.15	Kinetics of microbial growth part 2	
11.15-12.30	Computer exercises microbial growth	
12.30-13.30	Lunch	
13.30-14.30	Kinetics of microbial inactivation	Tiny van Boekel
14.30-15.15	Enzyme Kinetics and enzyme inactivation	Tiny van Boekel
15.15-15.30	Coffee break	
15.30-17.00	Computer exercises	
19.00-22.00h	Dinner	

**Thursday 14 June**

8.30-9.30	Kinetics of shelf life modelling	Tiny van Boekel
9.30-17.00h	Introduction to Athena Visual Studio	Michael Caracotsios
(10-10.15 break,	Kinetic Modelling using Athena	
12.30-13.30 lunch	Parameter estimation using Athena	
(15.15-15.30 break)		

**Friday 15 June**

8.30-17.00h	Continuation of Kinetic Modelling and parameter estimation using Athena	Michael Caracotsios
(10-10.15 break,		
12.30-13.30 lunch		
(15.15-15.30 break)		

**Saturday 16 June**

8.30-12.30h	Continuation of Kinetic Modelling and parameter estimation using Athena	Michael
10-10.15 break	Concluding remarks and evaluation	Caracotsios/Tiny van
12.00 lunch	Closing at noon	Boekel