

COE Intensive Course on Advanced Water Treatment Technologies 2007 (July 2 – August 31, 2007)

Instructors: Prof. Gary L. Amy, UNESCO-IHE, Institute for Water Education, the Netherlands
Prof. Hallvard Odegaard, Norwegian University of Science & Technology,
Norway
Prof. Markus Boller, EAWAG, Swiss Federal Institute for Aquatic Research,
Switzerland

Course Program

Classroom C401

Prof. Gary Amy gives

Advanced Drinking Water Treatment :

1. July 2 (Mon) 14:00-16:00 Introduction: Advanced Drinking Water Treatment
2. July 3 (Tue) 10:00-12:00 River Bank Filtration
3. July 4 (Wed) 10:00-12:00 Ozone and Advanced Oxidation
4. July 5 (Thu) 10:00-12:00 UV Disinfection
5. July 10 (Tue) 10:00-12:00 Activated Carbon Adsorption
6. July 11 (Wed) 10:00-12:00 Biofiltration and Biological Activated Carbon
7. July 12 (Thu) 10:00-12:00 Ion Exchange and Metal Oxide Adsorption
8. July 13 (Fri) 10:00-12:00 Disinfection By-Products : Formation and Control
9. July 17 (Tue) 13:00-15:00 Membranes : Overview
10. July 18 (Wed) 10:00-12:00 Membranes : Low Pressure
11. July 19 (Thu) 10:00-12:00 Membrane : High Pressure
12. July 20 (Fri) 10:00-12:00 Membrane-Based Desalination

Prof. Hallvard Odegaard gives

13. August 30 (Thu) 10:30-12:00 The Moving Bed Bioreactor Technology
-process design and applications
14. August 30 (Thu) 13:00-14:30 Three strategies for the use of membrane filtration in
NOM-removal

Prof. Markus Boller gives

15. August 31 (Fri) 10:00-12:00 Characterization of Aqueous Particles (1)
16. August 31 (Fri) 14:00-16:00 Characterization of Aqueous Particles (2)

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