KOENIG SOLUTIONS · COURSE OUTLINE

Special Topics in Xist Short Course

6 Hours	4	13	SC203
DURATION	MODULES	TOPICS	COURSE CODE

COURSE OVERVIEW

This short course moves beyond the fundamentals of thermal design to focus on specific design challenges associated with a range of service types. Presented as a series of case studies, each topic is introduced by the instructor before participants delve into Xist to work on solutions which are ultimately discussed amongst the group. The knowledge attained from this short course will allow you to tackle related design challenges in your future work. Case studies include: Viscous shellside coolers; Feed-effluent exchangers; Kettle reboilers; Falling film evaporators.

WHO THIS COURSE IS FOR

- Experienced Xist users who troubleshoot cases and evaluate shell-and-tube exchanger performance

COURSE SYLLABUS

4 Modules, 13 Topics

01

Shellside Viscous Cooler

TOPICS

- Xist stream analysis
- MTD Delta correction factor
- Design guidelines

02

Feed-Effluent Heat Exchangers

TOPICS

- Role and applications
- Common characteristics
- Design concerns

03

Vibration Analysis in Kettle Reboilers

TOPICS

- Kettle operation
- HTRI recirculation boiling model (CBM)
- Vapor blanketing
- Xist tube vibration analysis for kettles

04

Falling Film Evaporator

TOPICS

- Breakdown mechanisms
- Heat transfer methods and specification in Xist
- New features in Xist

DELIVERY NOTE

How It Is Delivered

- This course will make use of the following HTRI software: Xchanger Suite components Xist and Xvib. All training materials are based on the current software version.
- Course credits: 6 hours (PDH/CEU)

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

Learn the Way That Suits You

- Classroom Training
- Live Online Classes (ILO)
- Fly-Me-A-Trainer (FMAT)
- Flexi (Self-Paced)
- 1-on-1 Training

Ready to Get Started?

Talk to a learning advisor about schedules, group training and customised delivery.

Visit koenig-solutions.com | **info@koenig-solutions.com**