

## IND-03 Treatment of industrial and hazardous wastes

Objective:	The short course aims to (i) inform senior technical and business managers on the latest technology development in industrial and hazardous wastes including technical issues; (ii) illustrate industrial application through case studies; and (iii) promote dialogue and exchange experiences with R&D researchers, government officials, plant managers and operators
Contents:	<p>The course is primarily concerned with the development of comprehensive treatment technologies for industrial and hazardous wastes. It covers several topics in treatment technologies including sources, definition, legislation, treatment technologies and evaluation methods. Major technical issues to illustrate current industrial application through case studies will be discussed. The programme covers</p> <ul style="list-style-type: none"><li>• Overview of industrial and hazardous wastes: Characteristics, origin, transport, fate, potential impacts</li><li>• Overview of regulation</li><li>• Overview of management strategies; monitoring and documentation</li><li>• Overview of disposal options</li><li>• Treatment technologies</li><li>• Case studies illustrating major technical issues and current industrial applications</li></ul>
Who should attend:	Professional practitioners with a relevant background or otherwise with an interest in industrial and hazardous wastes: Researchers, managers, environmental engineers from private and government bodies
Courseware:	Selected slides and background documents as handouts and/or electronic files
Certification:	Attendance certificate (subject to 80 percent attendance)
Duration:	3 lessons (2 hours each)
Schedule:	(Please enquire)
Costs:	<p>\$ 400 per participant (inclusive of GST)</p> <p><i>A discount of 20 percent applies to 3 or more participants from the same organization in the same course</i></p>
Instructor:	Darren Sun, Associate Professor of the School of Civil & Environmental Engineering, NTU. Dr. Sun has authored or co-authored more than 100 scientific publications and has conducted short courses and seminars in Australia, Canada, China, Malaysia, Mexico, Myanmar, France, Singapore, Taiwan, UAE, and USA. His current research focuses on water treatment and reclamation using membrane technologies and converting hazardous and industrial wastes into value-added products
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