

1. MODULE SCHEDULE AND CONTENT

1.1 Module Schedule

The module schedule is listed as below.

Date	Modules	Speakers
Feb 4 – Feb 7 (4 days)	Module 4	Jim Yu; Chunfa Wu
Feb 10 – Feb 14 (5 days)	Module 1	Kavitha Raghavendra
Feb 17 – Feb 18 (2 days)	Module 2	Yungta Onggara
Feb 19 – Feb 21 (3 days)	Module 3	Chia Hong Kiat; Mageshwaran Yadhavaraj
Feb 24 – Feb 27 (4 days)	Module 5	Kevin Mullen

1.2 Module Content

The module content is listed below.

MODULE 1	Offshore Oil and Gas Processing
SPEAKER	Kavitha Raghavendra, INTECSEA Singapore
DURATION	5 Days
TENTATIVE CONTENT	<p>Topic 1: Introduction to Upstream Industry</p> <p>Topic 2: Facilities Orientation</p> <p>Topic 3: Oil Field Process Selection and Separation</p> <p>Topic 4: Treating Oil</p> <p>Topic 5: Treating Produced Water</p> <p>Topic 6: Hydrates</p> <p>Topic 7: Gas Dehydration and Processing</p> <p>Topic 8: Pumps and Compressors</p> <p>Topic 9: Design for Piping and Relief Systems</p>

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	Topic 10: Design for Safety Topic 11: Lessons from Piper Alpha
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MODULE 2	Offshore Jacket and Structure
SPEAKER	Yungta Onggara, WORLEYPARSONS Bangkok
DURATION	2 Day
TENTATIVE CONTENT	<p>Topic 1: General Introduction to Fixed Offshore Structure (incl. Weight Control)</p> <p>Topic 2: Topsides Design</p> <p>Topic 3: Jacket Design</p> <p>Topic 4: Offshore Pile Foundation Design</p> <p>Topic 5: Tubular Joint Design</p> <p>Topic 6: Design Office Example (Using Computer Model)</p> <p>The coverage is for intermediate level and is based on API RP2A 21st Ed.</p>

MODULE 3	Offshore Pipeline
SPEAKER	Chia Hong Kiat, Mageshwaran Yadhavaraj, INTECSEA Singapore
DURATION	3 Days
TENTATIVE CONTENT	<p>Topic 1: Introduction to Offshore Pipeline</p> <p>Topic 2: Flow Assurance</p> <p>Topic 3: Pipeline Route Selection</p> <p>Topic 4: Pipeline Mechanical Design</p> <p>Topic 5: Materials Technology</p> <p>Topic 6: Offshore Pipeline Installation and tie-in Methods</p>

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MODULE 4	Floating Production Systems
SPEAKER	Jim Yu, Wu Chunfa, INTECSEA Houston
DURATION	4 Days
TENTATIVE CONTENT	<p>Topic 1: Floating Production System General Considerations</p> <p>Topic 2: Environmental Conditions</p> <p>Topic 3: Vessel Stability</p> <p>Topic 4: Vessel Sizing</p> <p>Topic 5: Global Performance</p> <p>Topic 7: Moorings</p> <p>Topic 8: TLP Tendons</p> <p>Topic 9: Riser Systems</p>

MODULE 5	Subsea Systems
SPEAKER	Kevin Mullen, INTECSEA Perth
DURATION	4 Days
TENTATIVE CONTENT	<p>Topic 1: Background and History</p> <p>Topic 2: Field Development</p> <p>Topic 2: Subsea Trees</p> <p>Topic 3: Subsea Controls</p> <p>Topic 4: Manifold and Tie-In System</p> <p>Topic 5: Processing and Future Development</p> <p>Topic 6: Lessons Learned</p>

1.3 Lecturer Information

NAME	INFORMATION
Jim Yu	Manager – Tendon & Riser, Houston
Chunfa Wu	Vice President – Floating Production System, Houston
Kavitha Raghavendra	Manager – Process & Flow Assurance, Singapore
Yungta Onggara	Senior Engineer, Bangkok
Chia Hong Kiat	Engineering Manager, Singapore
Mageshwaran Yadhavaraj	Material Specialist, Singapore
Kevin Mullen	Executive Engineer, Perth Adj. Professor, University of Western Australia