

CCOPS

March 16-19, 2026

Location: Turbomachinery Laboratory

1485 George Bush Drive College Station Room 163

College Station, TX

SYLLABUS

Monday

8:00 – 10:00	Intro to Centrifugal Compressors	1 Sorokes
10:00 – 10:15	Break	
10:15 – 12:00	Aerodynamic Performance	2 Sorokes
12:00 – 1:00	Lunch Break	
1:00 – 3:00	Aerodynamics Performance cont.	3 Sorokes
3:00 – 3:15	Break	
3:15 – 5:00	Aerodynamics Performance conclusion	4 Sorokes

Tuesday

8:00 – 10:00	Project Considerations and Compressor Selection	5 Sandberg
10:00 – 10:15	Break	
10:15 – 12:00	Compressor Drivers and Performance Characteristics	6 Sandberg
12:00 – 1:00	Lunch Break	
1:00 – 3:00	Compressor System Arrangement and Operating Characteristics	7 Sandberg
3:00 – 3:15	Break	
3:15 – 5:00	Compressor Layout, Testing and Installation	8 Sandberg

Wednesday

8:00 – 10:00	Rotordynamics	9 Moore
10:00 – 10:15	Break	
10:15 – 12:00	Seals	10 Moore
12:00 – 1:00	Lunch Break	
1:00 – 3:00	Impeller Stress and Modal Analysis	11 Moore
3:00 – 5:00	Guided tour of South West Research Institute (SWRI) plant	

Thursday

8:00 – 10:00	Understanding surge Control methods, pages 1-23	12 Jumonville
10:00 – 10:15	Break	
10:15 – 12:00	Surge Control Methods, pages 24-50	13 Jumonville
12:00 – 1:00	Lunch Break	
1:00 – 3:00	Tuning demo and Magnetic Bearings, pages 51-71	14 Jumonville