

Basic Pump Fundamentals (Pumps 101)

April 24 & 25, 2024

Location: Turbomachinery Laboratory

Conference Room # 163

1485 George Bush Drive West College Station, TX

<https://drive.google.com/open?id=1cLBI4pRibjwNBucUy5ILVyTovHs3NecG&usp=sharing>

SYLLABUS

Wednesday 4/24

7:30 – 8:00	<i>Continental Breakfast (Provided by TL)</i>
8:00 – 10:00	Introduction to Pumps
10:00 – 10:15	<i>Break</i>
10:15 – 12:00	Physical Properties of Fluids (PPT1)
12:00 – 1:00	<i>Lunch Break (Provided by TL)</i>
1:00 – 2:00	PD Pumps Basic Fundamentals (PPT2)
2:00 – 3:00	PD Pump Construction Fundamentals (PPT2)
3:00 – 3:15	<i>Break</i>
3:15 – 5:00	PD Pump Performance Curves and NPSH (PP3)
6:00 – 8:00	<i>Group Dinner/Networking Social (Provided by TL)</i>

Thursday 4/25

7:30 – 8:00	<i>Continental Breakfast (Provided by TL)</i>
8:00 – 10:00	Centrifugal Pump Basic Fundamentals (PPT4)
10:00 – 10:15	<i>Break</i>
10:15 – 12:00	Centrifugal Pump Construction Fundamentals (PPT5)
12:00 – 1:00	<i>Lunch Break (Provided by TL)</i>
1:00 – 3:00	Intro to Pump Affinity Laws (PPT6) a
3:00 – 3:15	<i>Break</i>
3:15 – 5:00	Intro to Pump Affinity Laws (PPT6) b