

## Summer 2010 Schedule

### **PUMP 101 BASIC PUMP FUNDAMENTALS**

24 - 25 June 2010 - College Station, TX

**Cost: US \$699/person**

#### **2 Day Agenda:**

Pump Fundamentals Review  
Seal Chamber Environment  
Bearing Frame Environment  
Pump System Condition Maintenance and Control  
Why Do Pumps Fail?



Visit <http://readcenter.tamu.edu> for registration and additional information.

### **PUMP 102 ADVANCED PUMP FUNDAMENTALS I**

20 - 22 July 2010 - College Station, TX

**Cost: US \$899/person**

#### **3 Day Agenda**

##### **I day:**

Introduction  
Centrifugal Pump Basic  
Fundamentals  
Centrifugal Pump  
Construction Fundamentals  
Bearing and Bearing  
Reliability  
Pump Performance Curves

##### **II day:**

System Curves  
Changing Pump Conditions  
Pump Affinity Laws  
Parallel and Series Pump  
Operations  
Fixed and Variable Speed  
Operations  
PD Pumps Basic  
Fundamentals  
PD Pump Construction  
Fundamentals  
PD Pump Performance  
Curves

##### **III day:**

Best Practices and  
Maintenance Checks  
Why do pumps fail?  
Troubleshooting Pumps  
Final Exam and Course  
Critique

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## Summer 2010 Schedule

### **PUMP 201 ADVANCED PUMP FUNDAMENTALS II**

10 - 12 August 2010 - College Station, TX

Cost: US \$899/person

#### **3 Day Agenda\*:**

##### **I day:**

Introduction

Pump Fundamentals Review

##### **II day:**

Reliability Based Seminars

Seal Chamber Environment

Bearing Frame Environment

Monitoring & Control

ITT PumpSmart

ITT ProSmart

##### **III day:**

Why do Pumps Fail?

Reliability Based Value Proposition

Final Exam and Course Critique



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\*Note: This session, Pump 201, is co-taught by industry professionals and is topic specific. Please know agenda subject to change.

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