Leveraging Distance Learning

Jeffrey Laube
Assistant Professor of
Process Technology

Outcomes

- PTEC-teachers who are teaching, or are planning on teaching, online Process Technology courses via distance or via a blended will be able to avoid common online course mistakes.

aim of this workshop

- show examples of my distance delivered courses
- Technologies
- Rules to follow

aim of this workshop

- show examples of my distance delivered courses
  - Introduction to Process Technology
  - Process Technology I: Equipment
  - Process Troubleshooting

aim of this workshop

- Technologies
  - Blackboard (random quizzes/test questions)
  - Screencast-O-Matic w/You Tube
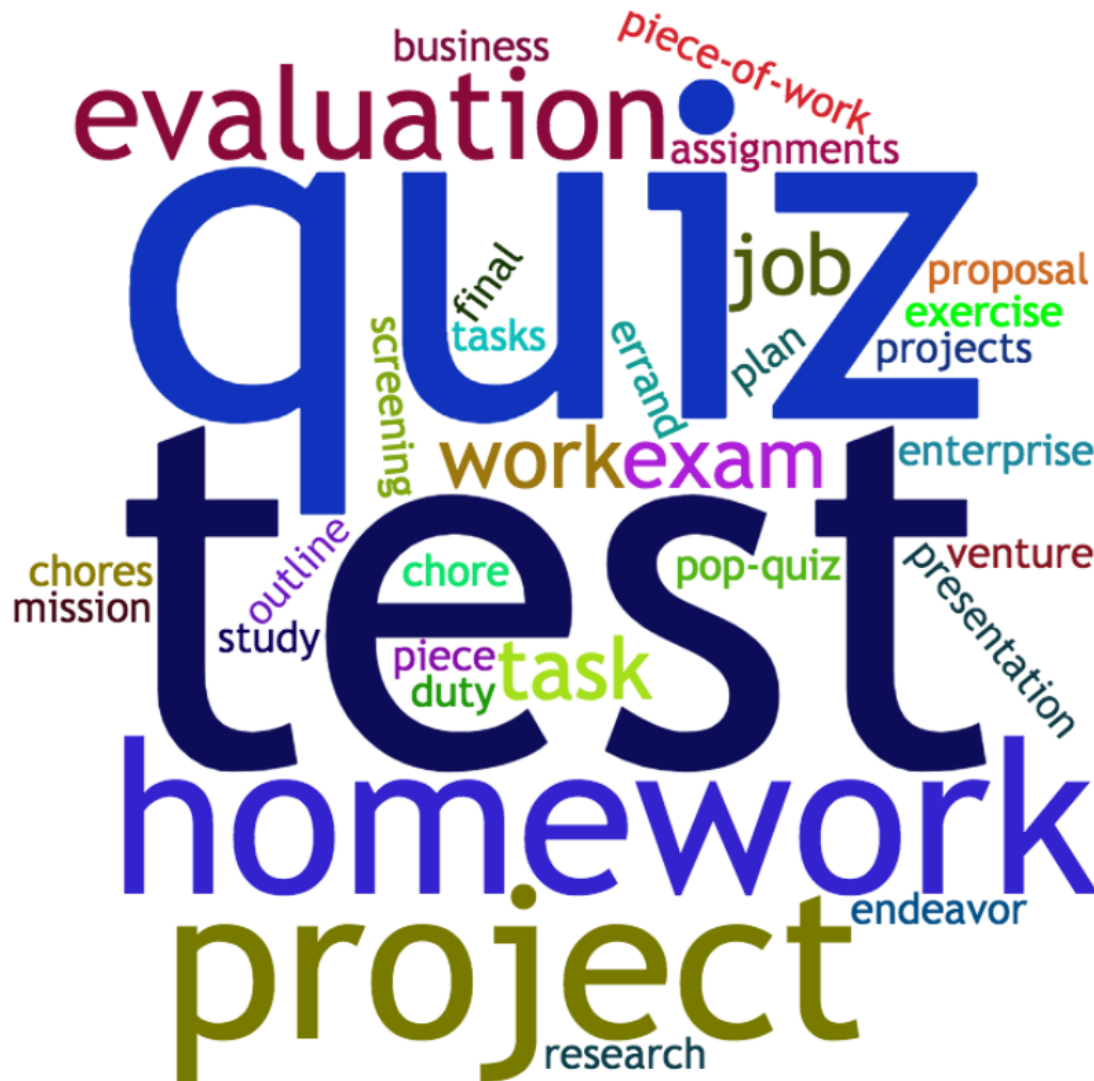 - Collaborate
  - Recorded lecture videos
  - Course Materials

Student Comment

"The Troubleshooting class … very organized and sets up his online classes in a way that allows the student to access information while incorporating essential concepts…"

Setting up a course

- Use the same word

Online Course Rules

- Good
  - Flexible
  - 100% ready-day one!
  - Access to entire course
  - Consistent wording
  - Consistent due dates
  - Clear expectations
  - Consistent location
  - Links have value
  - Grading prompt

- Not So Good
  - Not Flexible
  - Not ready
  - Limited access
  - Wording changes
  - Due dates change
  - Expectations unclear
  - Locations change
  - Links to nothing
  - Erratic grading

On-Line or Blended Course "Quality Matters" Checklist

- Course Overview and Introduction
- Learning Objectives (Competencies)
- Assessment and Measurement
- Instructional Materials
- Course Activities and Learner Interaction
- Course Technology
- Learner Support
- Accessibility and Usability

Jeffrey Laube 1

UAA **Courses**

(Course is unavailable to students) > Announcements

Edit Mode is: **ON** ?

+ 📁 🔄 ↑↓

201503_PRT_A130_IWB_ 🏠
77223

Announcements
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COURSE MANAGEMENT

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Announcements

Create Announcement ↑↓

New announcements appear below this line ---

No Announcements found.

PRT A101 IWB 201803 (CRN 75444) Introduction to Process Technology

Start Here

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Key Terms

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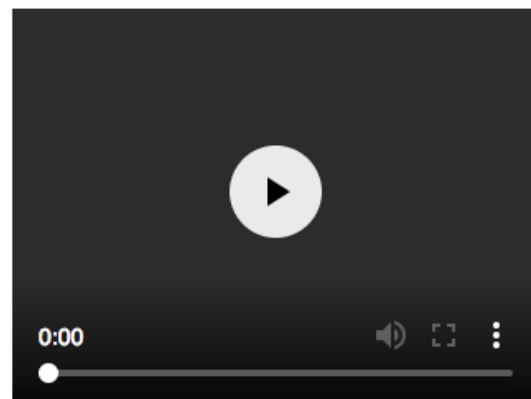
PRT A101 Introduction to Process Technology

Course

Announcements

PLAY THIS VIDEO -- Welcome to PRT A101 Introduction to Process Technology

Posted on: Friday, July 20, 2018 2:00:00 AM AKDT

Hello students, If you do not see the video below, and you are using Chrome, click on 'Load Anyway' in the yellow bar at the top of the screen. Click on **this link** to watch the video if it doesn't show. In some browsers it may be easier to watch if you click "view in You Tube".

0:00

Posted by: Jeffrey Laube
Posted to: PRT A101 IWB 201803 (CRN 75444) Introduction to Process Technology

PRT-A101 is OPEN!

Posted on: Thursday, July 19, 2018 12:30:00 AM AKDT

PRT-A101 Introduction to Process Technology class is now open. Order your textbook. You are encouraged to get started on the course. Everything can be done early. I strongly recommend you do not wait for due dates to motivate your progress in this course.

Welcome letter PRT 101 WEB class.docx

Posted by: Jeffrey Laube
Posted to: PRT A101 IWB 201803 (CRN 75444) Introduction to Process Technology

PRT A101 IWB 201803 (CRN 75444) Introduction to Process Technology

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Course Content

📁 **Module 1 - Chapters 1 & 2**

Take note that quizzes close (some at the same time). Quizzes and Tests can be done anytime before the closing (they do NOT have to be done ON the closing date). In each module, the items that you MUST do are listed on this Course Content main page in bold and have a check box ☐ in front of them. Also closing dates are displayed on this Course Content main page.

* Click on the blue 'Chapters 1 & 2' link above to watch lectures and take your quiz on:

CHAPTER 1 Process Technology: An Overview
CHAPTER 2 Mineral Extraction: Oil, Gas, and Mining Industry
ALSO be sure that you have:
☐ **Read the 'Start Here' (menu on the left)**
☐ **Submitted your Request A Proctor Site (found in Start Here) It may take a few days before this class shows in the list.**
☐ **Syllabus quiz** [In the Module 1- Chapter 1 & 2 link above:
☐ **Submitted Chapters 1 & 2 quiz**
☐ **Discussion Board - Introduction**
☐ **Submitted Consent/Release Form**

📁 **Module 2 - Chapters 3 & 4**

CHAPTER 3 Chemical and Pharmaceutical Industries
CHAPTER 4 Power Generation Industries
☐ **Chapters 3 & 4 quiz**

📁 **Module 3 - Chapters 5, 6, & Resume**

CHAPTER 5 Food and Beverage Industries
CHAPTER 6 Water Wastewater Treatment Industries
Cover Letter and Resume
☐ **Chapters 5, 6, & Resume quiz**
☐ **Submit Cover Letter and Resume Assignment**

📁 **Module 4 - Chapters 7, 8, & 9**

CHAPTER 7 Pulp and Paper Industry

Module 2 - Chapters 3 & 4

Reading Assignment

Reading Assignment

Introduction to Process Technology textbook

Chapter 3 & 4

Learning Objectives

Module 2 Lectures

Key Term Reminder

Some of the students have a Key Term assignment using terms from chapters covered in this week. Go to the Key Term section to see your assigned terms and due dates.

Discussion Board Reminder

Did you Introduce yourself in the Discussion Board? Have you responded to a classmate? There are grade points for each of these.

Module 2: Chapters 3 & 4

3 times

Module 2 Lectures

Lecture References

Attached Files:

- 3 Chemical Industries.ppt (14.97 MB)
- 3 Pharmaceutical.ppt (4.668 MB)
- 4 Power Generation.ppt (12.631 MB)

PRT-101 3 (part 1) Chemical Industry

PRT-101 3 (part 1) Chemical Industry.mp4

Introduction to Process Technology

Chemical and Pharmaceutical Industries

Chapter 3 (part 1)

Chemical Equipment Controllers and Operators Job Description

Chemical Plant and System Operators

PRT-101 3 (part 2) Pharmaceutical Industry

PRT-101 3 (part 2) Pharmaceutical Industry.mp4

PRT-101 3 (part 2) Pharmaceutical Industry

PRT-101 4 Power Generation

Ormat Technologies

Ormat Technologies is currently looking to put in a geothermal power generation at the base of Mount Spurr. This link shows how the system would work.

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Module 2 - Chapters 3 & 4

Reading Assignment

Reading Assignment

Introduction to Process Technology textbook

Chapter 3 & 4

Learning Objectives

Module 2 Lectures

Key Term Reminder

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Discussion Board Reminder

Did you Introduce yourself in the Discussion Board? Have you responded to a classmate? There are grade points for each of these.

Module 2: Chapters 3 & 4

3 times

Pools

Name △	Number of Questions	Date Last Edited
Ch 3.01 - Chemical Industry Overview	1	May 27, 2018 9:00 AM
Ch 3.1 Explain the growth and development of the chemical and pharmaceutical industries	14	May 27, 2018 9:00 AM
Ch 3.2 Provide and overview of the chemical industry sectors	5	May 27, 2018 8:55 AM
Ch 3.3 Identify the duties, responsibilities, an expectations of the process technician in the chemical and pharmaceutical industries	6	May 27, 2018 8:57 AM
Ch 3.39 - Pharmaceutical Industry Overview	8	May 27, 2018 8:44 AM
Ch 3.4 Explain the growth and development of the pharmaceutical industry	2	March 16, 2018 4:35 PM
Ch 3.5 Provide an overview of the drug manufacturing process	6	March 16, 2018 5:20 PM
Ch 3.6 Identify the duties, responsibilities and expectations of he process technician in the pharmaceutical industry	4	March 16, 2018 5:18 PM
Ch 4.0 - Power Generation Industry Overview	25	March 15, 2018 11:45 AM
Ch 4.1 Name the different sectors of the power generation industry	5	March 16, 2018 6:19 PM
Ch 4.2 Describe the growth and development of the power generation industry	10	March 16, 2018 6:21 PM
Ch 4.3 Describe the different processes and materials used for power generation	12	March 16, 2018 6:26 PM
Ch 4.4 Identify expectations for process technicians and future trends in the power generation industry	4	March 16, 2018 6:18 PM
Ch 5.0 - Food and Beverage Industry Overview	3	May 27, 2018 10:50 AM
Ch 5.01 Resume	16	March 15, 2018 11:52 AM
Ch 5.1 Explain the growth and development of the food and beverage manufacturing industry	9	May 27, 2018 10:45 AM

Navigation Sidebar

▼ PRT A101 IWB 201803 (CRN 75444) Introduction to Process Technology

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COURSE MANAGEMENT

Build Pool   Import Pool

| Create Question ⌄ | Reuse Question ⌄ | Upload Questions | | Question Settings | ⇅ |

Description	This is an open book, open notes, quiz that covers the material listed in this week's learning unit.
Instructions	This test can be taken up to three times. Only your highest score will go in the grade center. This test pulls random questions from a pool of questions. Even if you get a great score on the first attempt, you are encouraged to take this quiz three times so you may see more of the types of questions that are asked in this course. This will help with Test preparation.
Total Questions	20
Total Points	20

Select: **All** **None** | Select by Type: - Question Type -

[Delete] | Points [____] [Update] | [Hide Question Details]

☐ 1. 🖨 **Random Block**

Points per question: 1

Total Points: 1

Total Questions:	1
Number of Questions to display:	1
Source Pool:	Ch 3.01 - Chemical Industry Overview
Question Types:	All Pool Questions

▶ **Preview questions that match selected criteria**

☐ 2 - 5. 🖨 **Random Block**

Points per question: 1

Total Points: 4

Total Questions:	14
Number of Questions to display:	4
Source Pool:	Ch 3.1 Explain the growth and development of the chemical and pharmaceutical industries
Question Types:	All Pool Questions

▶ **Preview questions that match selected criteria**

Course Navigation (sidebar)

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COURSE MANAGEMENT

10. 🖨 Random Block

Points per question: 1

Total Points: 1

Total Questions:	6
Number of Questions to display:	1
Source Pool:	Ch 3.5 Provide an overview of the drug manufacturing process
Question Types:	All Pool Questions

▸ **Preview questions that match selected criteria**

11. 🖨 Random Block

Points per question: 1

Total Points: 1

Total Questions:	4
Number of Questions to display:	1
Source Pool:	Ch 3.6 Identify the duties, responsibilities and expectations of he process technician in the pharmaceutical industry
Question Types:	All Pool Questions

▸ **Preview questions that match selected criteria**

12 - 15. 🖨 Random Block

Points per question: 1

Total Points: 4

Total Questions:	25
Number of Questions to display:	4
Source Pool:	Ch 4.0 - Power Generation Industry Overview
Question Types:	All Pool Questions

▸ **Preview questions that match selected criteria**

16. 🖨 Random Block

Points per question: 1

Total Points: 1

Total Questions:	5
Number of Questions to display:	1
Source Pool:	Ch 4.1 Name the different sectors of the power generation industry
Question Types:	All Pool Questions

▸ **Preview questions that match selected criteria**
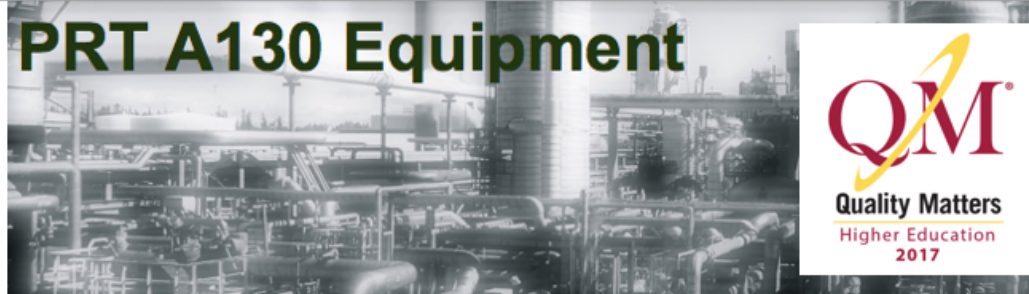
Course

Announcements

PLAY THIS VIDEO --> Welcome to PRT A130 Process Technology I: Equipment

Posted on: Friday, July 20, 2018 3:00:00 PM AKDT

Hello students, If you do not see the video below, and you are using Chrome, click on 'Load Anyway' in the yellow bar at the top of the screen. Click on this link to watch the video if it doesn't show. You may want to view it from You Tube (click in lower right corner).
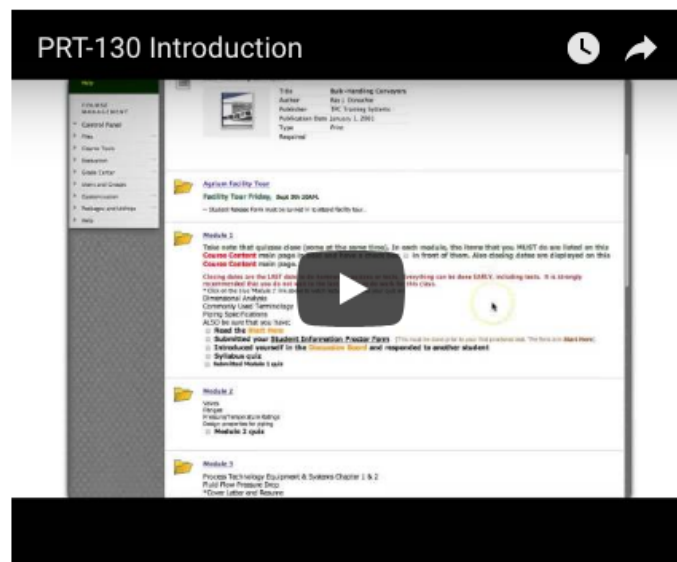
PRT-130 Introduction

PRT-A130 is OPEN!

Posted on: Saturday, July 21, 2018 8:00:00 AM AKDT

Course Content

📁 **Module 1**

Take note that quizzes close (some at the same time). In each module, the items that you MUST do are listed on this Course Content main page in bold and have a check box ☐ in front of them. Also closing dates are displayed on this Course Content main page.

Closing dates are the LAST date to do homework, quizzes or tests. Everything can be done EARLY, including tests. It is strongly recommended that you do not wait to the last minute to do work for this class.
* Click on the blue 'Module 1' link above to watch lectures and take your quiz on:
Dimensional Analysis
Commonly Used Terminology
Piping Specifications
To complete each module you must complete these check-box items:
☐ **Read the Start Here**
☐ **Submitted your Proctor Request Form** [This must be done prior to your first proctored test. The form is in **Start Here**]
☐ **Introduced yourself in the Discussion Board and responded to another student**
☐ **Syllabus quiz**
☐ **Submitted Module 1 quiz**
☐ **Submitted Consent/Release Forms**

📁 **Module 2**

Valves
Flanges
Pressure/Temperature Ratings
Design properties for piping

*Cover Letter and Resume

☐ **Module 2 quiz**
☐ **Resume Assignment**

📁 **Module 3**

Process Technology Equipment & Systems Chapter 1 & 2
Fluid Flow Pressure Drop
☐ **Module 3 quiz**
☐ **PRT-LAB Kit Assignments**

Navigation sidebar

PRT A130 IWB 201703 (CRN 75862) Process Technology I: Equipment 🏠

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Module 2

Reading Assignment

Reading Assignment

Piping Systems textbook

Chapters 8, 9, 10

📁 Learning Objectives

📁 Handouts

📁 Lecture

Presentation Assignment

In this course you will be required to give a 7 - 10 minute presentation to the class.   The presentation will be on some kind of process equipment of your choice. You are encouraged to pick something that is NOT covered in the class. If you choose a type of equipment that is covered in class, your presentation would need to cover details that are not covered in class. The presentation will be done on-line using Blackboard Collaborate.

To avoid duplication of topic you will need to submit your topic to the instructor for approval by posting your topic in the discussion board.
In the handout section of module 2, are the Project Presentation detailed instructions. Go to Module 13 for more details.

2 Quiz

This is an open book, open notes, quiz that covers the material listed in this module. You can take this test 3 times. Only your highest score will be recorded.

Lecture

📄 **Lecture References**

Attached Files: 📄 PRT-130 2 Math .docx (97.044 KB)
📄 PRT-130 2 Piping Systems Chp 8 - 10.ppt (3.013 MB)

🌐 **Globe Valve**

🌐 **Butterfly Valve**

🌐 **Plug Valve**

🌐 **Swing Check Valve**

🎞 **Valves & check valves #1**

Watch Media

🎞 **Valves #2**

Watch Media

🎞 **Flanges**

Course

Announcements

Welcome to PRT A250 Process Technology Troubleshooting

Posted on: Friday, July 20, 2018 6:54:00 AM AKDT

Welcome to **PRT A250 Troubleshooting**. Go to the **Start Here** and read through that area. Then look at the **Syllabus** (you may want to print a copy of the syllabus). Post your introduction in the **Discussion Board**. Finally, go to the **Course Content** area and begin the course work.

In the Course Content are you will find:

- Reading assignments
- Learning Objectives
- Handouts
- Learning Objectives
- Lecture references
- Video Lecture recordings
- Closing dates
- Quizzes
- Homework
- Tests

All work must be done by the closing date. Remember all work can be done **early**. Even testing can be done early. So plan ahead, and look at the entire semester, compare closing dates to your (work) schedule.
Welcome to class.

PRT-A250 Troubleshooting is OPEN!

Posted on: Friday, July 20, 2018 9:55:00 AM AKDT

PRT-A250 Process Troubleshooting class is now open. You are encouraged to get started. Look around. Once Modules are open, you can work on them. I strongly recommend you do not wait for due dates to motivate your progress in this course.

On-campus students can purchase the textbooks through the Kenai River Bookstore. Online students need to order their textbook online.

Course Content

Closing Dates

Take note that quizzes close (some at the same time). In each module, the items that you MUST do are listed on this **Course Content** main page in bold and have a check box ☐ in front of them. Also closing dates are displayed on this **Course Content** main page.

Module 1: Chapters 1, 2, & 3

* Click on the blue 'Module 1: Chapters 1, 2, & 3' link above to watch lectures and take your quiz on:
Introduction to Process Instrumentation & Troubleshooting
Process Symbols and Diagrams
Understanding Process Equipment
To complete each module you must complete these check-box items:
- ☐ **Read the Start Here**
- ☐ **(WEB Students ONLY) Submitted your Student Information Proctor Form** [This must be done prior to your first proctored test. The form is in **Start Here**]
- ☐ **Syllabus quiz**
- ☐ **Introduced yourself in the Discussion Board and responded to another student**
- ☐ **Submitted Module 1: Chapters 1, 2, & 3 quiz**
- ☐ **Submitted Consent/Release Forms**

Module 2: Chapters 4, 5, & 6

Introduction to Control Loops
Statistics, Quality Tools, and Troubleshooting Techniques
Control Charts
- ☐ **HW WK 2**
- ☐ **Submitted Module 2: Chapters 4, 5, & 6 quiz**

Module 3: Chapter 7

Introduction to SPM-600 Process
Introduction to Process Troubleshooting
Troubleshooting Process Applied to Simulator
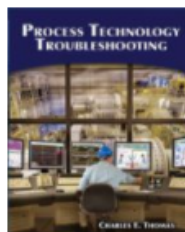- ☐ **HW WK 3**
- ☐ **Submitted Module 3: Chapter 7 quiz**

Edit Mode is: **ON**

Module 4: Chapter 8

Build Content ⌄   **Assessments** ⌄   **Tools** ⌄   **Partner Content** ⌄

Reading Assignment

Reading Assignment

Process Technology Troubleshooting

Chapter 8

Learning Objectives

Lecture

Handouts

Student Proctor Form

Only students taking this course ON-LINE need to fill this form out. This is how you pick your proctor site. Once this form has been submitted, you will contact your proctor site directly to schedule testing.

HW WK 4

Module 4 Quiz

3 times

Side Navigation:

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COURSE MANAGEMENT

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Lecture ⊙

| Build Content ▾ | Assessments ▾ | Tools ▾ | Partner Content ▾ |

Lecture References

Attached Files: 📄 4 Troubleshooting Chp 8.pptx ⊙ (1.255 MB)
📄 4 Troubleshooting Simtronics.pptx ⊙ (125.673 KB)

PRT-250 4 Pump Model

Watch Media

Simtronics In-Class Exercises

SPM 600 Unit Operations of Chemical Processing Exercises 3, 11, 12.
We will discuss the difference between a Pump failure -vs- a valve failure.

PRT-250 4 Simtronics Pumps

Watch Media

Learning Objects

PRT A250 IWB 201703 (CRN 75684) Process Troubleshooting 🏠

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COURSE MANAGEMENT

- ▾ Control Panel
- ▸ Content Collection →
- ▸ Course Tools
- ▸ Evaluation →
- ▸ Grade Center →

Preview Test: HW WK 4

▲ **Test Information**

Description

Instructions

Multiple Attempts Not allowed. This test can only be taken once.

Force Completion This test can be saved and resumed later.

⌄ Question Completion Status:

QUESTION 1　　　　　　　　　　　　　　　　　　　　　　　　5 points Save Answer

Run SPM- 600 Exercise 33 --- The problem is [▼　　　　　　] .

QUESTION 2　　　　　　　　　　　　　　　　　　　　　　　　5 points Save Answer

Were you able to make changes to the process to keep it running. Explain your answers.

Path: p　　　　　　　　　　　　　　　　　　　　　　　　　　　Words:0

QUESTION 3　　　　　　　　　　　　　　　　　　　　　　　　5 points Save Answer

Run SPM- 600 Exercise 45 --- The problem is [▼　　　　　　] .

QUESTION 4　　　　　　　　　　　　　　　　　　　　　　　　5 points Save Answer

Copy of Were you able to make changes to the process to keep it running. Explain your answers.

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Save All Answers　　Save and Submit

Course navigation (sidebar)

PRT A250 IWB 201703 (CRN 75884) Process Troubleshooting 🏠

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Grade Center →

Users and Groups

Customization →

Packages and Utilities →

Preview Test: HW WK 4

Test Information

Description

Instructions

Multiple Attempts Not allowed. This test can only be taken once.

Force Completion This test can be saved and resumed later.

Question Completion Status:

QUESTION 1

5 points   Save Answer

Run SPM- 600 Exercise 33 --- The problem

✓
P-201 is failing
HV-203 is failing
P-203 is failing
FIC-202 is failing
C7 supply problem
AIC-306 is failing
FIC-401 failed closed
HV-503 is failing
PIC-501 failed closed
P-301 failed
FIC-201 has failed closed
Both HV-401 & HV-402 failed
Thermoil Supply has stopped
P-302 failed
LIC-301 failed closed
FI-502 failed
PCV-501 has failed open
Power failure to all pumps
TIC-406 failed closed
Both HV 501 & HV 502 failed

QUESTION 2

5 points   Save Answer

Were you able to make changes to the proce   swers.

Paragraph   Arial

Mashups

Path: p   Words:0

QUESTION 3

5 points   Save Answer

Run SPM- 600 Exercise 45 --- The problem is _____ .

QUESTION 4

5 points   Save Answer

Copy of Were you able to make changes to the process to keep it running. Explain your answers.

Paragraph   Arial   3 (12pt)

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

```
 1  DESIGN
 2  COLD START
 3  POWER FAILURE - ALL PUMPS STOP
 4  FC201 FAULTY TRANSMITTER
 5  PUMP P-301 FAILS
 6  THERMOIL BLOCK VALVE V-401 RAMPS CLOSED
 7  PRESSURE TRANSMITTER PC501 FAILS LOW
 8  HI HEXANE
 9  HV201 FAILS CLOSED
10  HV201 CLOSES C6 PRESSURE GOES HIGH
11  HV401 FAILS CLOSED
12  P-201 FAILS
13  FC201 TRANSMITTER WIGS OUT
14  AC306 TRANSMITTER FAILE
15  P301 FAILS
16  E401 FAILS
17  C6 SUPPLY PRESSRE HIGH
18  P203 FAILS
19  C6 & C7 TEMP GOES HIGH
20  THERMOIL TEMPS GOES LOW
21  TC406 TRANSMITTER FAILS
22  TC406 TRANSMITTER FAILS
23  V501 FAILS CLOSED
24  PI502 FAILS LOW
25  HV203 FAILS
26  HV203 FAILS
27  HV203 CLOSES C7 PRESSURE INCREASES
28  HV501 FAILS CLOSED
29  HV401 FAILS CLOSED
30  P201 CAVITATES
31  P203 CAVITATES
32  P201 FAILS
33  P301 CAVITATES
34  P301 CAVITATES
35  P301 FAILS
36  HV201 FAILS CLOSED
37  P204 CAVITATES
```

Simtronics In-Class ExercisesSPM 600 Unit Operations of Chemical Processing Exercises 3, 11, 12. We will discuss the difference between a Pump failure -vs- a valve failure.

➕ ▭▭▭▭ 📁 🔄 ⇅

Pool Canvas: Simtronics Pump ▾

The Pool Canvas presents an inventory list of questions that can be managed and searched. You can use the check boxes to select any or all questions and then delete them or change their points, or edit questions individually. More Help

| Create Question ▾ | Find Questions | Upload Questions | | Question Settings |

Description	
Instructions	
Total Questions	20
Total Points	0
References	Click here to see a list of the tests that reference this pool in a random block.

Search current results: [   ] Go

Browse Criteria

View ▾   Reset to Default

▸ **Question types**

Criteria Summary

Question types All Pool Questions

Displaying 1 to 20 of 20 items

→ Delete | Points [   ] Update | Question Display ▾

☐	Question Text	Question Type	Default Points
☐ 🖼	Run SPM- 600 Exercise 32 --- The problem is [p].	Jumbled Sentence	-
☐ 🖼	Run SPM- 600 Exercise 15 --- The problem is [p].	Jumbled Sentence	-
☐ 🖼	Run SPM- 600 Exercise 35 --- The problem is [p].	Jumbled Sentence	0
☐ 🖼	Run SPM- 600 Exercise 34 --- The problem is [p].	Jumbled Sentence	0
☐ 🖼	Run SPM- 600 Exercise 33 --- The problem is [p].	Jumbled Sentence	0
☐ 🖼	Run SPM- 600 Exercise 40 --- The problem is [p].	Jumbled Sentence	0
☐ 🖼	Run SPM- 600 Exercise 46 --- The problem is [p].	Jumbled Sentence	0
☐ 🖼	Run SPM- 600 Exercise 18 --- The problem is [p].	Jumbled Sentence	-
☐ 🖼	Run SPM- 600 Exercise 41 --- The problem is [p].	Jumbled Sentence	0
☐ 🖼	Run SPM- 600 Exercise 42 --- The problem is [p].	Jumbled Sentence	0
☐ 🖼	Run SPM- 600 Exercise 31 --- The problem is [p].	Jumbled Sentence	0
☐ 🖼	Run SPM- 600 Exercise 30 --- The problem is [p].	Jumbled Sentence	-

Do Not Do

Do Not Do

Assignments > **Assignments Week 7**

Assignments Week 7

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**201301_CTE_A643_2D
1_31354**

- Announcements
- Syllabus
- Assignments
- Grades
- Email
- Help
- Course Evaluation
- Tools
- Faculty Help

My Groups

Carrollea and Jeff

discuss course design

- Course objectives
  - Unit objectives
    - Alignment with textbook
    - Alignment of the lectures
    - Assessment in Alignment
- Repetition with-in the course design
  - Within a course
  - Within a program

Course layout

- Repetition with expectations
- Repetition with dates
- Repetition with terms
- Repetition in design
- Repetition throughout all courses
  - Work with other instructors at your school

Instruction

- Recorded Lectures
  - Elive – Moodle – Blackboard Collaborate
  - Classroom video
    - Videographer
    - Lecture capture
  - Screen Capture
    - ScreencastOmatic (short-free: longer for fee)
    - Jing (short)
    - Camtasia (long)

Instruction

- Mini lectures
- Lecture materials
- Handouts
- Learning Objects

Assessments

- Homework
- Quizzes
- Testing

Hybrid vs Distance

- Class meets face to face at Kenai River Campus in Soldotna. This course is designed to accommodate students who may not be able to attend all the face-to-face lectures. Students have full access to all course materials in an online format. Students will need a computer, speakers or headphones and high-speed internet access to obtain the online course materials.

- Mobile mailed out labs
- Lab Intensive

Labs

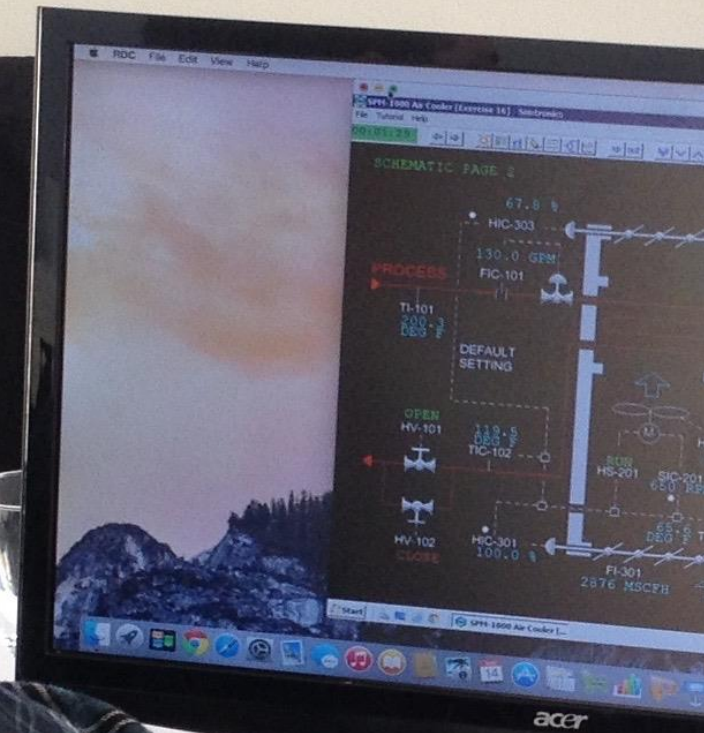# Lab Intensive

- Contact hours the same
- Twice a semester
  - F/S
  - 9A-7P
- One night rentals at dorms

pros

○ working-adults

○ shift-work

○ no-location

○ asynchronous

Questions

- Learning Journal
  - What is the one most important thing you learned in this session?
  - What are three things you will do differently as a result of this session?
  - Who else would benefit from what you learned today?
  - What do you want to tell them?
- Reminder:
  - sign-in sheet
  - evaluations