# How can you meaningfully selfassess your teaching in the midst of your busy schedule?

C.J. Riley, PhD, PE

Oregon Tech Commission on College Teaching Tech Talk
November 21, 2013

# Learning Objectives

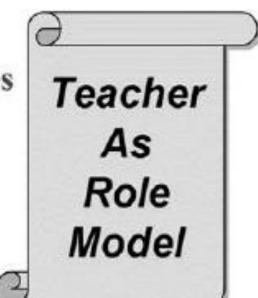
- Explain why self-assessment of teaching is beneficial
- Employ self-assessment of teaching as a means of continuous improvement
- Avoid that stale crusty old teacher thing that happens

### **A Model Instructional Strategy**

- ☐ Provide an orientation:
  - Why is this important?
  - How does it relate to prior knowledge?
- ☐ Provide learning objectives.
- □ Provide information.
- □ Stimulate critical thinking about the subject.
- □ Provide models.
- ☐ Provide opportunities to apply the knowledge:
  - ☐ In a familiar context.
  - □ In new and unfamiliar contexts.
- ☐ Assess the learners' performance and provide feedback.
- ☐ Provide opportunities for self-assessment.

# The "ExCEEd Model"

- ◆ Structured organization
  - > Based on learning objectives
  - > Appropriate to the subject matter
  - > Varied, to appeal to different learning styles
- **◆** Engaging presentation
  - > Clear written and verbal communication
  - > High degree of contact with students
  - > Physical models & demonstrations
- **♦** Enthusiasm
- Positive rapport with students
- ◆ Frequent assessment of student learning
  - Classroom assessment techniques
  - > Out-of-class homework and projects
- ◆ Appropriate use of technology



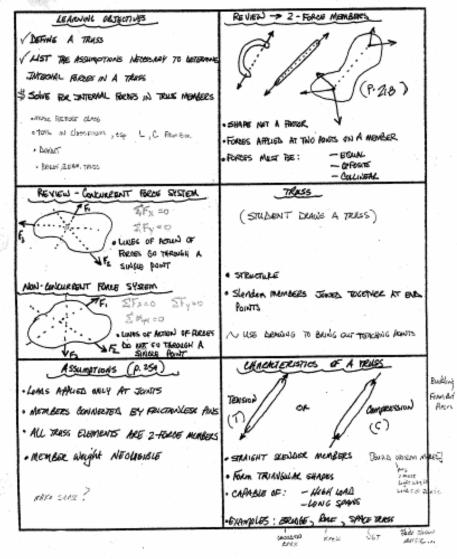
# A Structured Methodology for Organizing a Class

- □ Formulate learning objectives.
- □ Develop *in-class* learning activities.
  - ☐Prepare a lesson outline.
  - ☐ Prepare "board notes."
- □ Develop *out-of-class* learning activities.
  - ☐ Select reading assignments.
  - ☐ Develop homework assignments and projects.

Name WELCH

LESSON S-9 TAUSSES

Course <u>CE 502</u> Date <u>22 Jun 2003</u> Page / of 2



#### ME301 BOARD NOTES

SIMPLE COMPRESSIBLE SYSTEM
PURE SUBSTANCE (USANLY IN A
CLOSED SYSTEM) WHERE ONLY
WORK IS BOUNDARY WORK

76-17

#### STATE PRINCIPLE

THE STATE OF A SIMPLE WHORKSIBLE SYSTEM CAN BE FIXED BY TWO INDEPENDENT, INTENSIVE PROPERTIES

#### EXAMPLES

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PORT - ONLY IF SINGLE

RELATE TEMPERATURE & PRESSURE FOR STEAM (LIQUID & MACK)

SATURATION CHANTELS
POINT AT WHICH PHASE CHANGE
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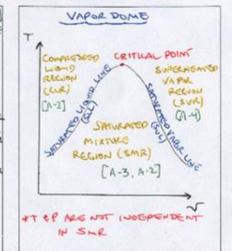
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LESSON: 13 page: 3



- BOILING EAC IN DEPOTER

- PRESSURE CONVER 1P GREATER ENERGY TRANSPER

& VACUUM BULLING DEMO

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Notes

# Teaching Assessment Worksheet

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STRENGTHS:		DATE:		28
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#### TEACHING ASSESSMENT WORKSHEET

INST	RUCTOR: Sybil N. Jineer ASSESSED BY: 15. POSITIVE
	SON TOPIC: Free Body Diagram DATE:
1	Good intro-emphasized importance of FBD
2	- Good use of text for diagrams of supports.
3	
X	6000 PRECISION!
5	Excellent physical examples (Rollerblades?)
6	Generally good questioning but see (21) below.
7	Small group activity - well timed well executed.
8	Use of chainsaw to isolate the Freebody was
9	eye-opening - good for visual learners.
10	Overall good Semo but it can abit too long
11	Overall, good Jemo but it ran abit too long. Good use of objectives for CONCLUSION.
12	

AREAS FOR IMPROVEMENT:

AR	EAS FOR IMPROVEMENT:
_13_	Board #1 - could have drawn more of this from students.
14_	Connect the FBD to The 5-Step Problem-Solving Process ("Draw
_15_	a Picture.")
16	You used "pin' & "hinge" interchangeably. Are they the same?
17	Question about cable supports was ambiguous
18	watch frequent use of "he" & "guys"-exclusionary language.
19	Don't confuse "support" (physical object) and "reaction"
26	(Force or moment)
	Too many "jump ball" questions.
_22	The acetylene torch was a bit much I'm surprised
	you didn't set off the smoke detectors.
24	

20 I				
	Needs Work	Good	Excellent	Remarks
TECHNICAL EXPERTISE				
Command of the Subject Matter		V		
LESSON ORGANIZATION				
Lesson Objectives			V	11
Organization of Boards & Classroom Activities	1		V	Nice flow!
CONDUCT OF THE CLASS				
Enthusiasm, Energy, and Confidence				
Orientation to the Subject Matter			V	
Ciarity of Presentation (boards, viewgraphs, etc.)		-		
Clarity & Precision of Explanations		V		16,19
Voice (volume, speed, variation)	Ţ		L	
Questioning & Answering Questions		1		6,21
Contact with Students			V	very engaging
Visual Aids and Demonstrations				81022
Time Management		V		18
Appropriate Use of Textbook			V	2
THE CLASSROOM ENVIRONMENT				
Classroom Appearance				
OVERALL ASSESSMENT: Are the students who attended this class adequately the Lesson Objectives?	y prep	ared t	o acc	omplish No Not sure Yes
Specific areas on which to focus during	your	next	clas	s:
1. Work on precisio	n	in	u	se of terminology
2. Use more directed (	Dur	254	ion	se of terminology.  15. fewer "jump balls"  ys" in referring to students
3. Find an alternative	· 4	0	90	ys" in referring to studente
			<i></i>	7

## Now you try...

- Complete an assessment of the presentation you just saw
- Allow C.J. to prepare his own self-assessment
- These activities serve purposes in the ExCEEd teaching model:
  - Stimulate critical thinking
  - Serve as a model for students
  - Provides an opportunity to apply knowledge in a familiar context
  - Create positive rapport (you're doing what they're doing)
  - Employ a classroom assessment technique

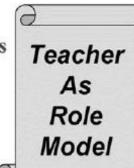
### Remember the models

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Spec	cific areas on which to focus during	your	next	clas	ss:			-	
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