KISS: Keep It Simple Scholars (or,,,)

Presenters: Steve Tucker & Steve McKeegan

Construction Technology's Road to Accreditation:

"What a long strange trip it's been"

Construction Tech: Accredited by ACCE

American Council for Construction Education

Accreditation Granted in: 1997; 2003; 2009

External Accreditation

Process:

1. Self-Study: (similar to our “Internal” Program Review.)

2. Site Visit by ACCE

3. Best Case Scenario: 6 year accreditation with a 3rd Year Report.

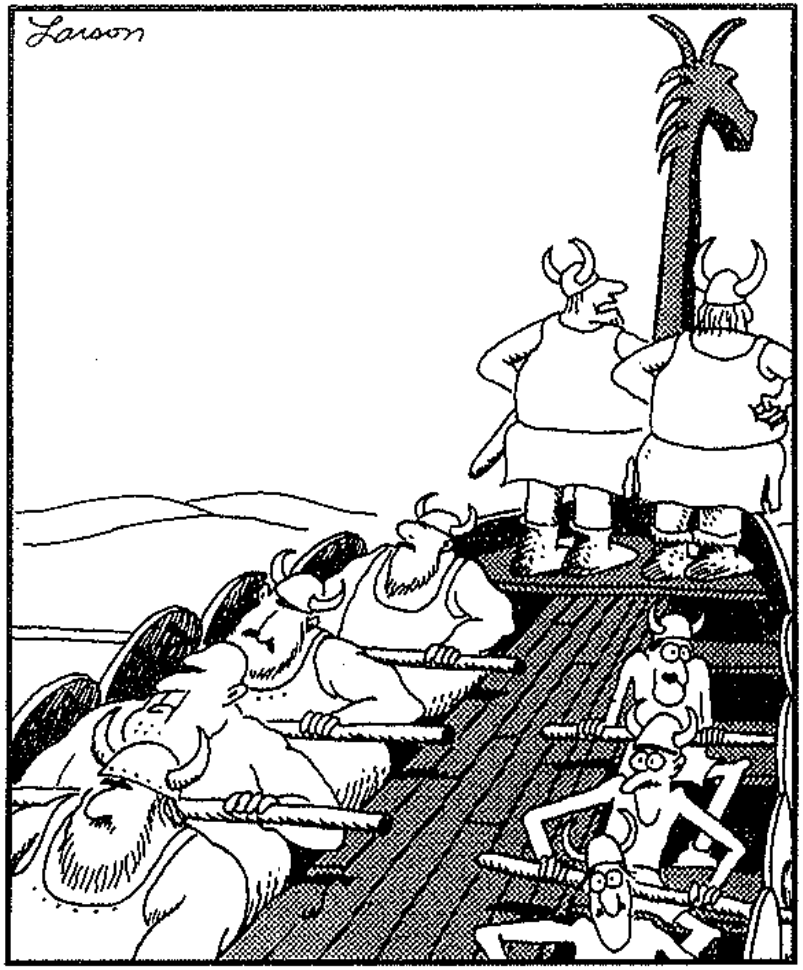
Re-Accreditation 2009

ACCE Findings:

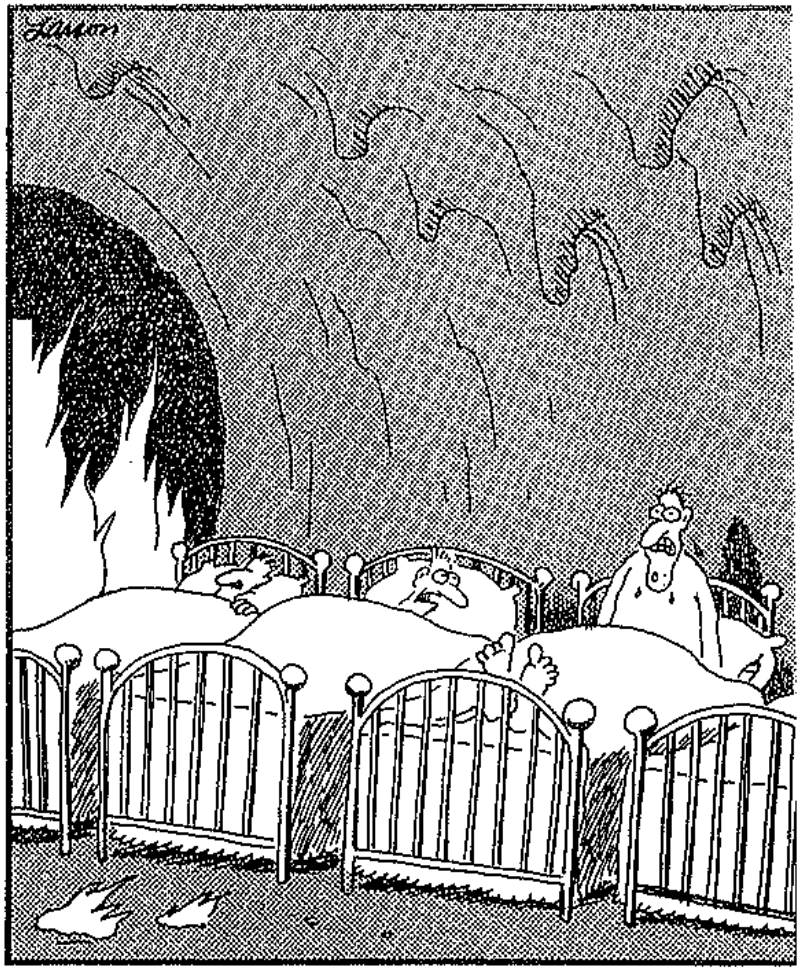
1. The CT Outcome Assessment Process remains a weakness.
2. CT Program re-accredited for 6 years, with 1st, 2nd, & 3rd Year Reports. (See Previous Slide)
3. 2010: ACCE approved CT 1st Year Report “with serious reservations.” (See Bullet #1)
4. ACCE appoints mentor for CT Program.

Thoughts on Outcomes Assessment

Pre-2009:



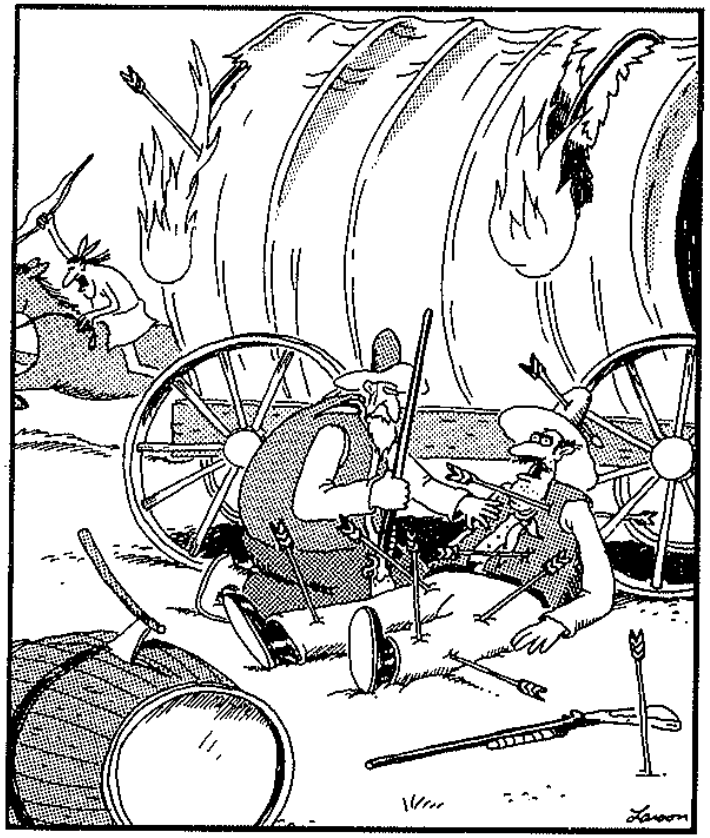
"I've got it, too, Omar … a strange feeling like we've just been going in circles."



"Go back to sleep, Chuck. You're just havin' a nightmare—of course, we *are* still in hell."

Thoughts on Outcomes Assessment

Post 2011:



"Yeah, Clem, I hurt. But y'know, it's a *good* kind of hurt."

"You know, we're ~~just not~~ reaching that guy."

FINALLY

ps: it will help you & your students.

Finally, Here's How It Got Better !

Lots of Help from:

1. ACCE Mentor
2. Construction Tech Colleagues
3. Non- Construction Tech Colleagues (i.e. those of you who felt sorry for me !!)
4. Chain of Command: Thank God they have patience !!

Idea # 1: Make a Schedule !

Advice: Make sure you look @ the (*^%(*& schedule !!

Yearly Outcomes Assessment Timetable

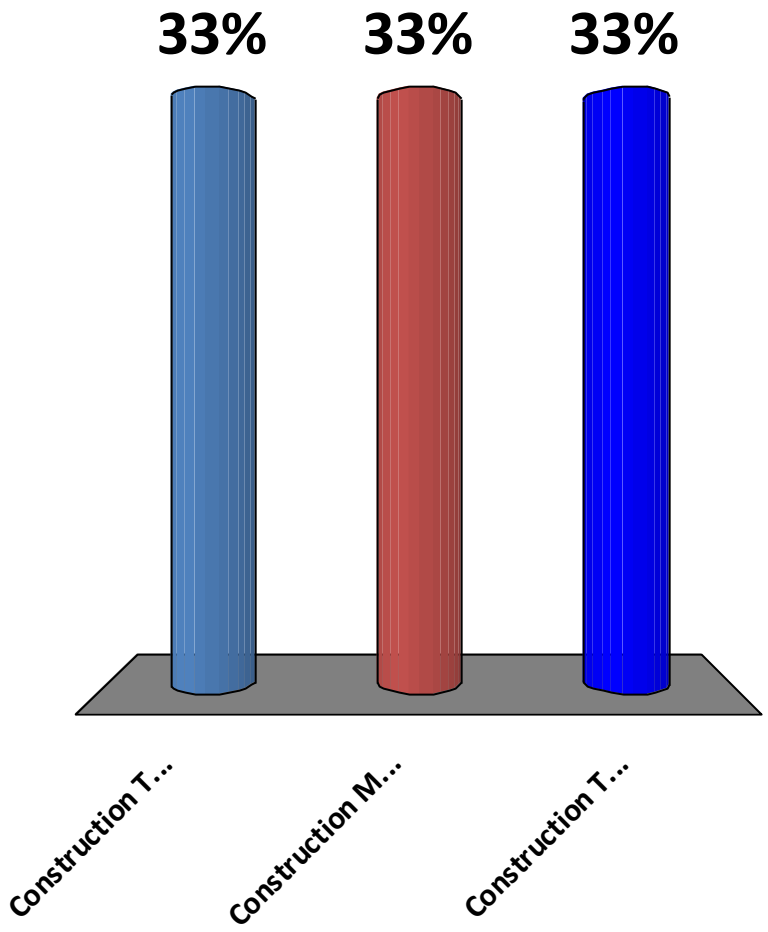
- **Fall Semester**:
- September:
- Generate new list of incoming Freshmen for Performance Outcomes
- Resend “Action Items” from previous May to Industry Advisory Council (IAC)
-
- October: Industry Advisory Council (IAC) Meeting:
- Review Assessment surveys from previous spring semester.
- Action Items: Require College approval or changes in-house ?
-
- November:
- AGC National Scholarships applications due. (Typically November 1st)
-
- December:
- Performance Outcomes: Update @ end of semester

Idea # 2: Surveys: Who do we survey ?

- **Spring Semester**:
- May: (Finals Week) Assessment Surveys:
- 2nd year Construction Technology (CT) students.
- 4th year Construction Management (CM) students: (Required: Students who were in CT AAS program & completed their internships)
- Employers of CM Interns: Use their Performance Evals !!
- End of May
- "5th year out" CT Graduate Surveys. (2006 Graduates for last year's report.)
- Tabulate and assess data: Send to Dean, Provost, & IAC
- Generate "Action Items" to be considered in October w/ IAC
-

Question #1: Identification: What are you currently?

1. Construction Technology Student
2. Construction Management BT Senior
3. Construction Technology Alumnus



Sample Question
Use Clickers !!

Question #20: Construction Courses:

P&P of Wood Construction

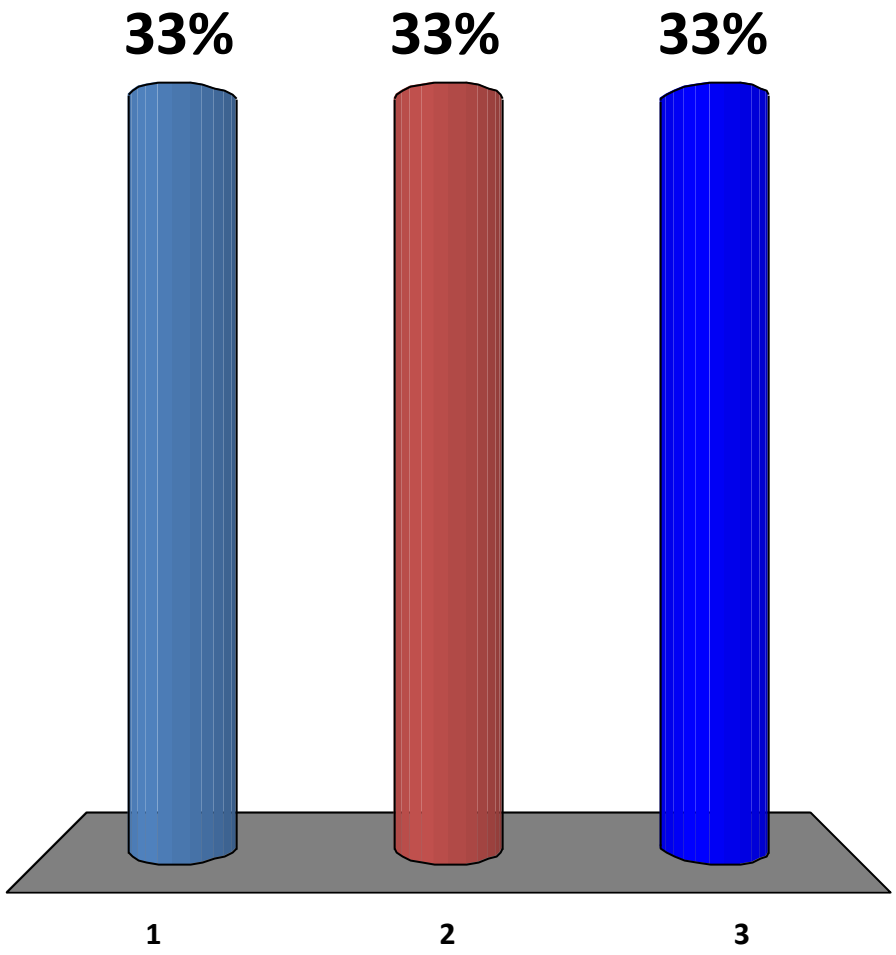
Commercial Construction

Concrete & Masonry Construction

1. Exceeded Expectations
2. Met Expectations
3. Below Expectations

Rating the value of the required Construction Technology courses at Delhi.

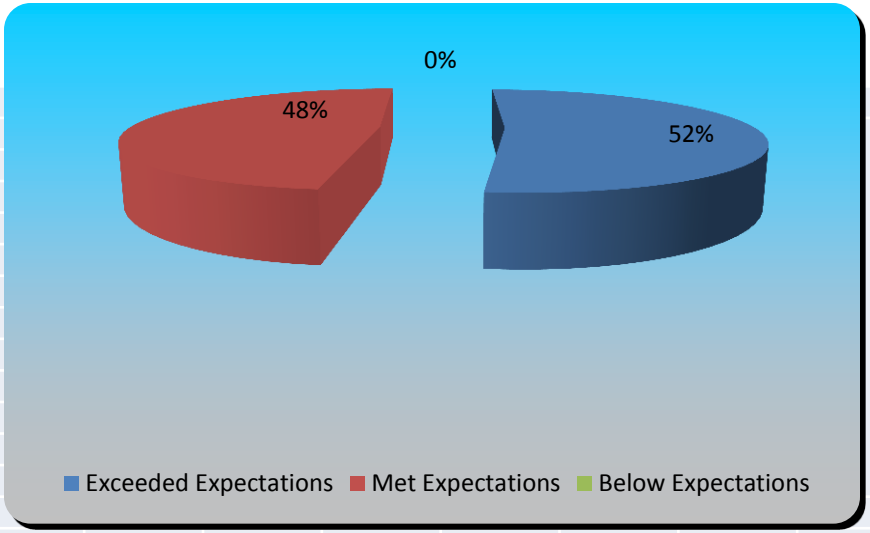
Ps: these are NOT actual %'s !!



Survey Analysis: For Current Students

Clicker Reports Can give this analysis

19.) Q#20: Construction Courses: P&P of Wood Construction Commercial Construction Concrete & Masonry Construction (multiple choice)	Responses	
Exceeded Expectations	13	52%
Met Expectations	12	48%
Below Expectations	0	0%
Totals	25	100%



Survey Analysis: For Graduates

Next Step: (we hope)

Web-based surveys: Survey Monkey; Google Docs

Idea # 3: Perf. Outcome Tracking

A. General Outcomes for ACCE

- Generated from Specific course tasks
- Updated Each Semester

Example

Attachment # 5: ACCE 2nd Year Report 2011

Entering Class of 2010-11

PERFORMANCE OUTCOMES

1 = Failed to Meet or N/A
2 = Below Standard
3 = Meets Standard
4 = Exceeds Standard

		COURSE	1 Student	2 Student	3 Student	4 Student	5 Student	6 Student	7 Student	8 Student	9 Student	10 Student	11 Student	12 Student	13 Student	14 Student	15 Student	16 Student	17 Student	18 Student	19 Student	20 Student	21 Student	22 Student	2 Student
1	Identify structual dimension grades of lumber and understand the grade stamp	AECT 110	2	4	2	3	2	4	3	4	2	3	3	2	3	3	3	4	2	3	3	3	2	4	4
2	Generate a buildable first floor residential plan using Autocad given appropriate design criteria	ARCH 110	3	1	1	3	1	4	1	4	1	3	3	3		3	4	4	1	3	4	2	1	3	4
3	Create a Wall Plate Layout given a floor plan and appropriate materials	CNST 110	3	3	2	3	2	4	4	4	3	4	3	3	4	3	3	4	3	3	4	3	4	4	3
4	Generate load tracing for a given structure.	AECT 150																							
5	Perform a gradation, proctor, and in-place density test.	CNST 150	3	w	1	3		4	4	4	3	3	3			3	3	4		3	3	3	3	4	3
6	Generate a topographic survey using appropriate survey instruments.	CNST 160	3		1	1		4	4	4	3	3	3			3	3	4		3	3	3	3	4	3
7	Analyze the design and estimate the materials for a commercial curtain wall system	CNST 210																							
8	Create a critical path construction schedule given engineering blueprints	CNST 210																							
9	Complete a 10 hour OSHA construction site safety class	CNST 230																							
10	Create a complete building estimate in an Excel spreadsheet.	CNST 260																							
11	Create a sample building contract which is in compliance with New York State Building Codes.	CNST 270																							
12	Create a plumbing isometric drawing for a commercial rest room facility	AECT 280								4											4				3
	AVERAGE		2.8	2.7	1.4	2.6	1.7	4	3.2	4	2.4	3.2	3	2.7	3.5	3	3.2	4	2	3	3.5	2.8	2.6	3.8	3.

Idea # 3: Perf. Outcome Tracking

B. Example of Specific Course Task

CNST 150- Concrete & Masonry Construction	NAME:		Date:	
Soil Testing Checklist	SCORE:			
1. Soil Classiification	POINT TOTAL	ACTUAL POINTS	DUE 5/13 @ 5pm	
Sieve Test				
a. Sieve Data Sheet: Sample Calcs	20		Xtra Credit: EXCEL	
b. Sieve Graph	20		Data Sheets	
c. Calculate C_u: See Graph for formula	5			
d. Calculate C_c: See Graph for formula	5			
Classification: List ALL Steps !!				
a. USC	20			
b. New York State Specs	20			
Comments/Conclusions				
a. Why are soils classified ?	10			
b. What types of projects could this soil be used for ?	10			
c. List any data errors.	5			
Soil Washing Calcs	10			
2. Proctor Test				
a. Proctor Data Sheet: Sample Calcs	20			
b. Proctor Curve: $\gamma_{max\ /dry}$ & OMC	20		Label	
c. Use Relative Compaction = 98 %				
γ_{min} Req'd in Field = _____	10		Show Calcs	
MC_{OMR} = _____% to _____ %	10			
Comments/Conclusions				
a. Is your curve "bell shaped" ?	5			
b. How are the results used in the field ?	10			
c. List any data errors.	5			
3. Sand Cone Test			Use MC cans !!!	
a. Sand Cone Data Sheet:	20		Show all Calcs !!	
b. $\gamma_{field\ /dry}$ = _____ Meet γ_{min} ?	20		Yes/ No (Circle One)	
c. MC_{field} = _____ Meet MC_{omr} ?	20		Yes/ No (Circle One)	
d. Course of Action Req'd by Contractor based on field test results.	20			
Comments/Conclusions				
a. How are the results used in the field ?	10			
b. List any data errors.	10			
4. Neatness & Clarity	25			
	POINT TOTAL	ACTUAL POINTS		
Total Parts 1 -4	330			
ATTACH THIS SHEET WITH YOUR (Stapled) SUBMISSIONS!!!				