

# Competency Based Education (and Adobe Tools)

---

MARK DUBOIS

MDUBOIS@ICC.EDU

@MARK\_DUBOIS



# Problem

## Grade $\neq$ Understanding



10 labs

90% = A

---

THE  
*Higher Education*  
**MINDSHIFT**

**CREDIT-HOUR**

FOCUS ON TEACHING

**COMPETENCY-BASED**

FOCUS ON LEARNING

TIME IS  
**CONSTANT,**  
BUT  
LEARNING IS  
**VARIABLE**



TIME IS  
**VARIABLE,**  
BUT  
LEARNING IS  
**CONSTANT**

Source: <http://www.educause.edu/ero/article/flexible-option-direct-assessment-competency-based-education-model>

# CMWEB 220

Fall, 2015 3 sem hrs **A**

# CMWEB 241

Spring, 2016 3 sem hrs **A**



# CMWEB 220

Fall, 2015 3 sem hrs **A**

CSS animation

CSS alignment

...



# Success factors

Clarity for students

Metrics of progress

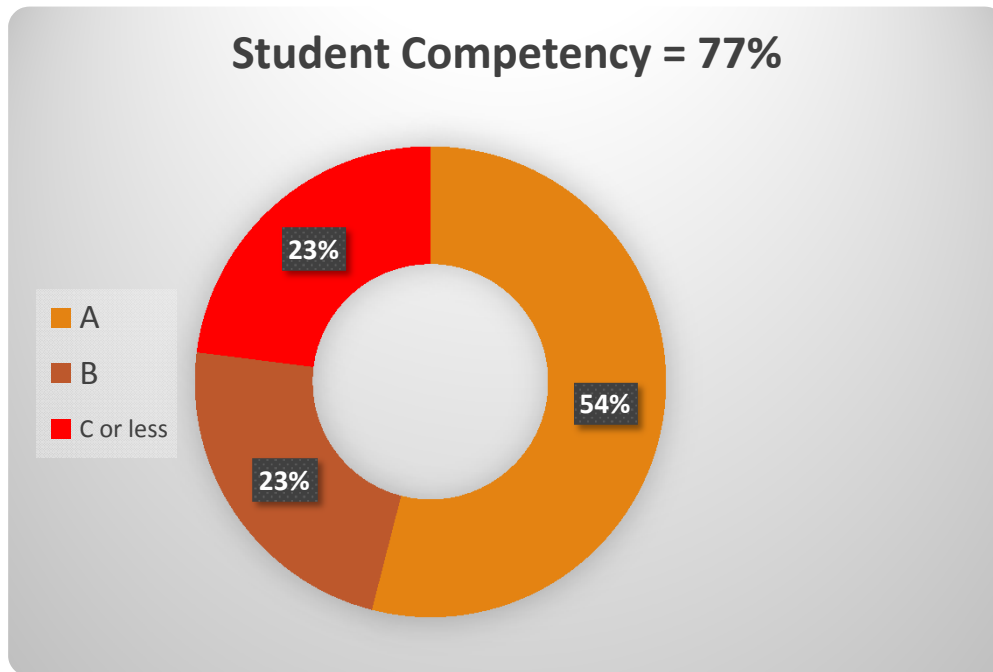
Feedback

Communication



# CMWEB 155 – UX design

---



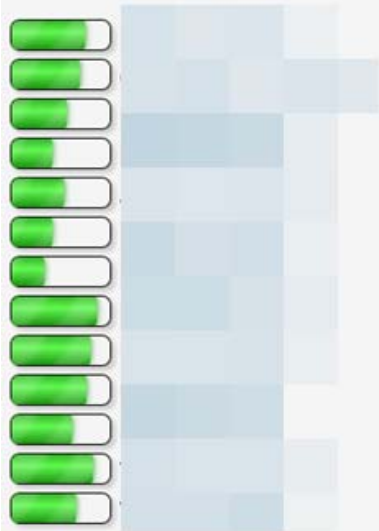
Created by Max Miner  
from the Noun Project



▼ **CMWEB 155**

- ▶ Participants
- ▶ Badges
- ▶ General
- ▶ Competency Based Education
- ▶ Jan. 12, 2015 - Why User Experience Matters
- ▶ January 19, 2015 - User Centered Design
- ▶ January 26, 2015 - Objectives and Client Needs
- ▶ April 20, 2015 - Human Computer Interactions
- ▶ April 27, 2015 - Review
- ▶ May 12, 2015 - Final Exam and Final Grade

### COURSE CHECKLIST TO DATE



### FN MARKING MANAGER



- 1 Requires Grading
- 209 Graded
- 81 Not Submitted
- 0 Draft

- Gradebook
- Reports

0 Students have not logged in for at least 7 days

8 Students have not submitted any activities for 7 days

0 Students have an overall grade less than 50%

A screenshot of a course management interface. It shows a course titled "Course (1) CMWEB 155" with a minus sign icon to its left. Below the course title is a sub-item labeled "(1) 7. Begin work on CMWEB 15..." with a plus sign icon to its left and a smaller "(1)" below it.

 Sent

 Scheduled

**CMWEB 155**

Tuesday, May 5, 2015 at 9:00 AM

CMWEB 155 - reminder - the final lab for this semester is the in person open lab in TC 309 from 6 - 9 tonight.

Tweet Send again



**CMWEB 155**

Monday, May 4, 2015 at 9:00 AM

ICC CMWEB 155 class. To keep pace with the class, you should be completing final materials at <http://mlearn.ws>.

Tweet Send again



**CMWEB 155**

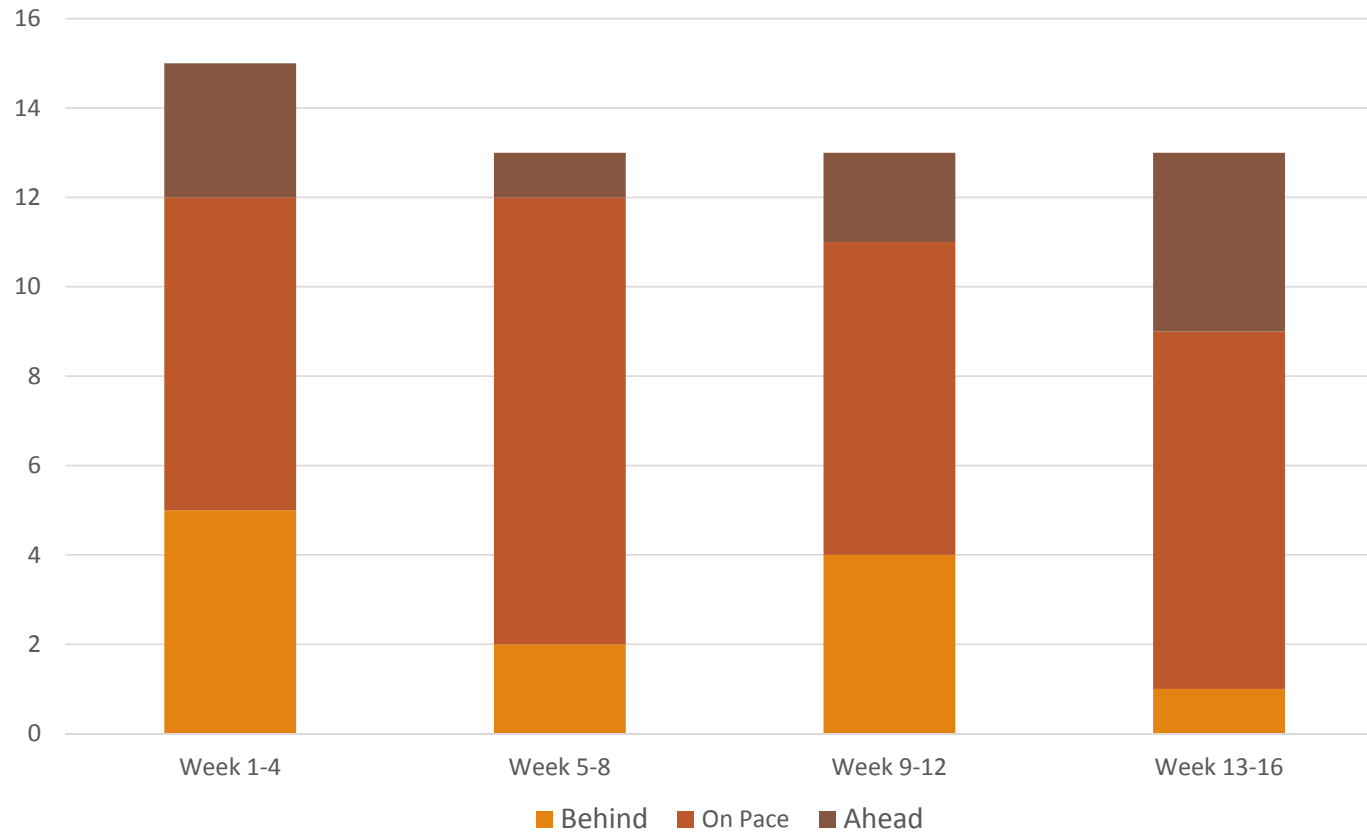
Friday, May 1, 2015 at 9:00 AM

ICC CMWEB 155 - reminder, all assignments are due no later than Tuesday, May 5 at mid night. I will not accept any late work after that.

Tweet Send again



## Student Progress








<b>CMWEB 250</b>	<b>1 create well-formed XML documents</b>		
	<b>Learning Outcomes</b>	<b>Topic</b>	<b>Assessment</b>
	<b>1.1 Students use XML Notepad to create well-formed XML documents</b>	<b>Topic 2</b>	<b>Lab 1, Quiz 1</b>
	<b>2 understand how to create DTDs and XML Schemas</b>	<b>Topic</b>	<b>Assessment</b>
	<b>Learning Outcomes</b>	<b>Topic 3</b>	<b>Lab 2, Quiz 2</b>
	<b>2.1 Students create DTD based on a sample XML document</b>		
	<b>Create internal DTD and external DTD and use them to validate XML documents</b>	<b>Topic 4</b>	<b>Lab 3, Quiz 3</b>
	<b>2.2 Students create XSD schema for a sample XML document</b>	<b>Topic 5</b>	<b>Lab 4, Quiz 4</b>
	<b>Schema is associated with XML documents</b>		
	<b>2.2 Students create Relax NG Schema for a sample XML document</b>		
	<b>Schema can be used to validate XML documents</b>		
	<b>3 understand the basic techniques for parsing XML documents</b>	<b>Topic</b>	<b>Assessment</b>
	<b>Learning Outcomes</b>	<b>Topics 11 &amp; 12</b>	<b>Lab 9, Quiz 9</b>
	<b>3.1 Students use Visual Studio to parse XML documents</b>		
	<b>4 develop small applications that use XML</b>	<b>Topic</b>	<b>Assessment</b>
	<b>Learning Outcomes</b>	<b>Topic 12</b>	<b>Lab 9, Quiz 9</b>
	<b>4.1 Students use SOAPUI to create SOAP messages</b>		

Industry wants  
Retain students  
Educational shift





Consider CBE



# Competency Based Education (and Adobe Tools)

---

MARK DUBOIS

MDUBOIS@ICC.EDU

@MARK\_DUBOIS

