



# LON-CAPA 3.0

Sneak Preview

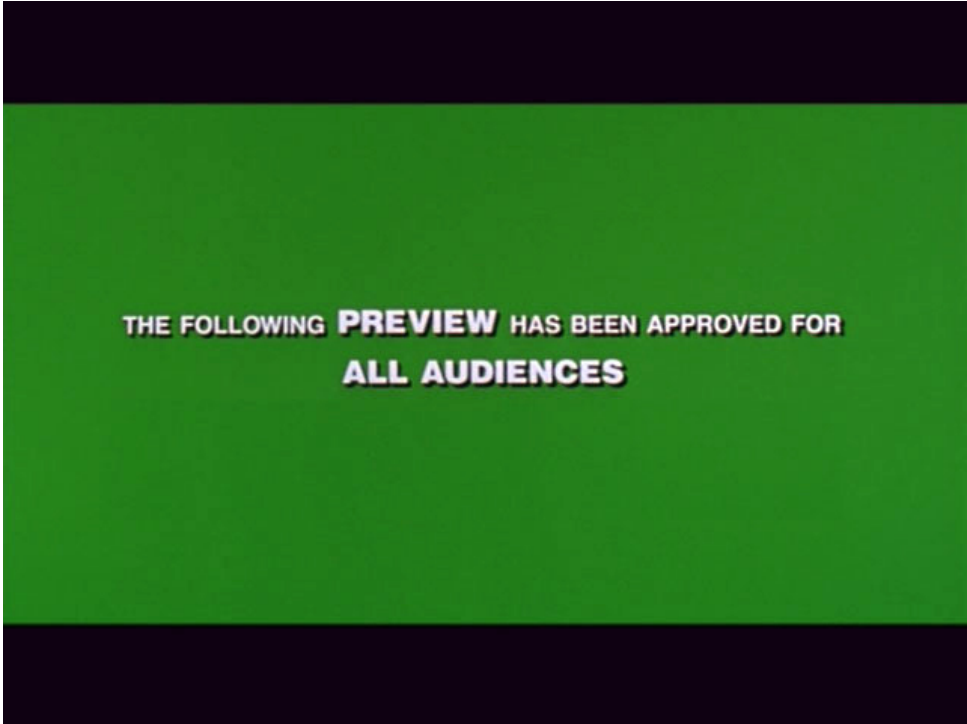

Gerd Kortemeyer

April 2011

THE FOLLOWING **PREVIEW** HAS BEEN APPROVED FOR  
**ALL AUDIENCES**

# Overview

- Guiding ideas for new release
- Things already (almost) working
- Things to be done
- Questions



THE FOLLOWING **PREVIEW** HAS BEEN APPROVED FOR  
**ALL AUDIENCES**



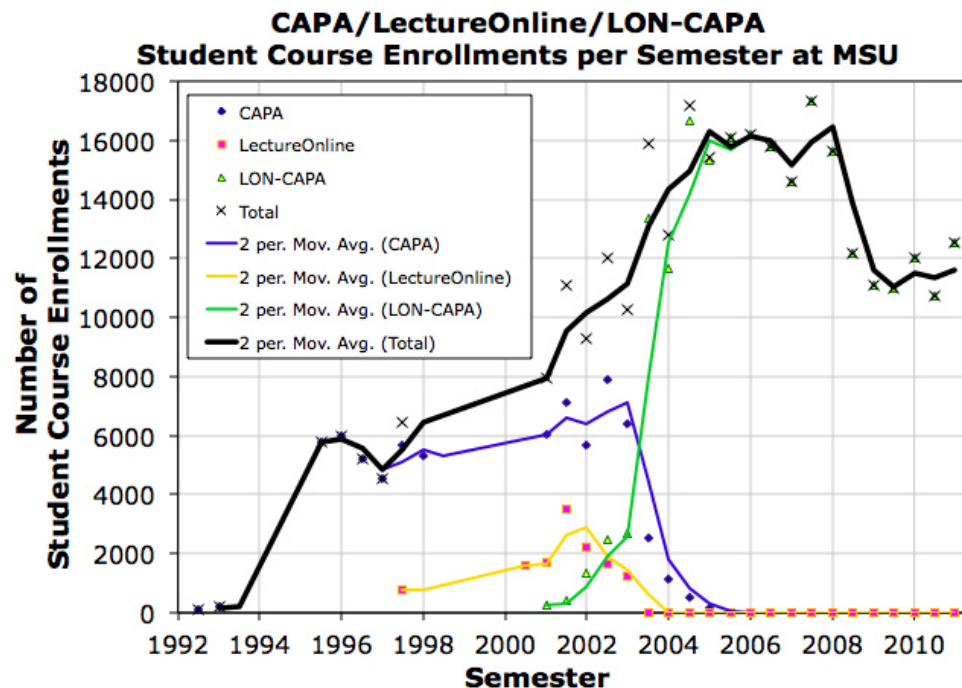
# Guiding ideas for new release

Two design ideas:

- Idea 1: Move basic course management to the foreground
- Idea 2: “Flight Management”

# Idea I - Background

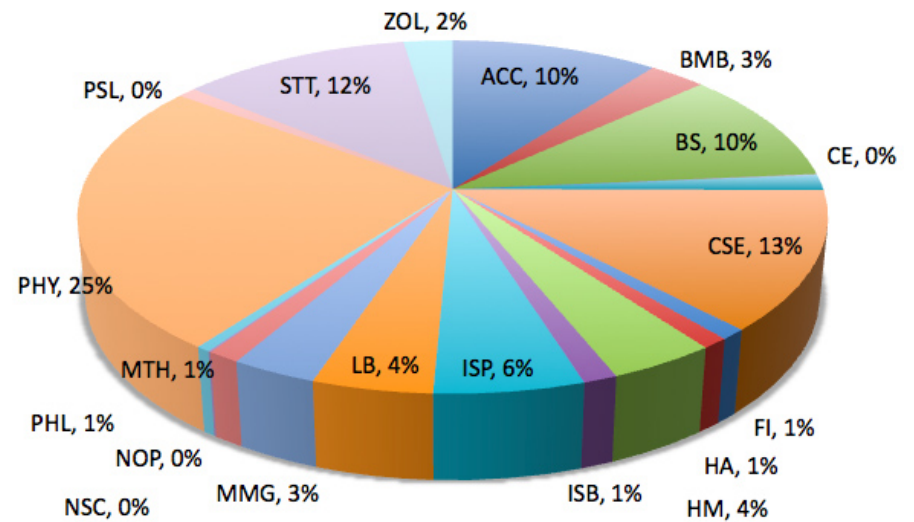
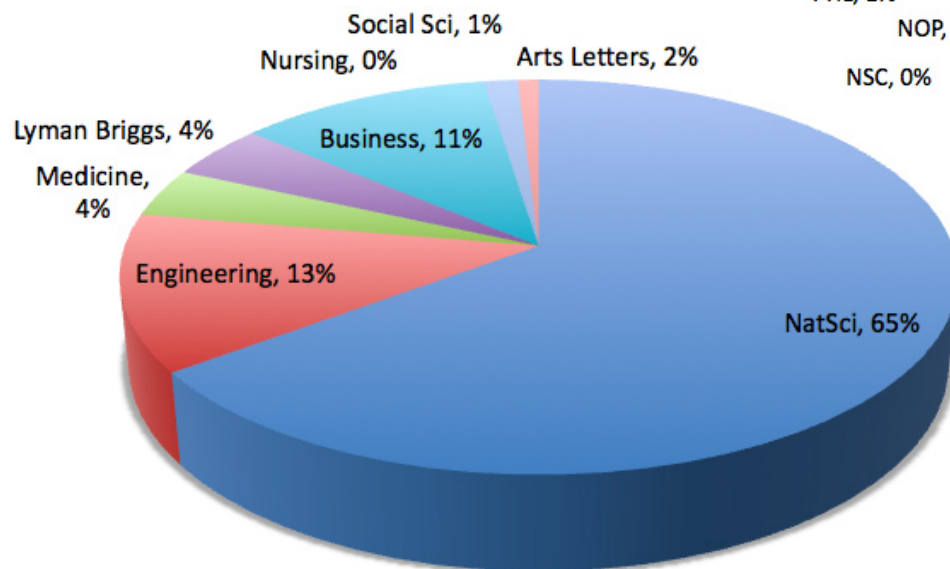
- History: CAPA started as a pure assessment system
  - Course Management added later
  - Currently still reflected in the interface



9900 individual students  
1/4<sup>th</sup> of MSU's  
undergraduate  
population actively uses  
LON-CAPA

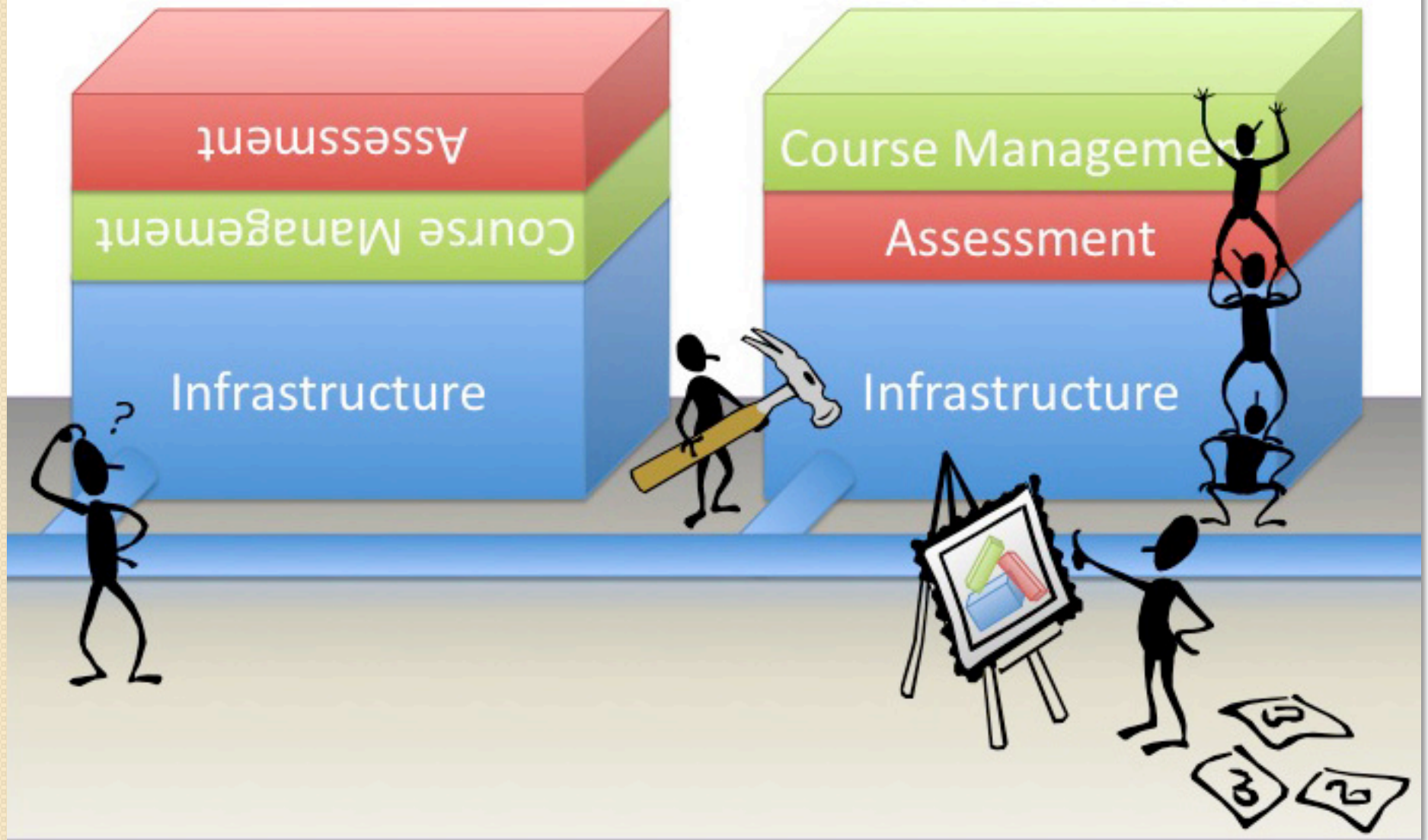
# Idea I - Background

- Used to be just natural science
  - Not anymore
- Requirements beyond geeky homework



- Bring basic course management up front

# Idea I - Design





## Idea 2 - Background

- More features than most systems  
... but faculty don't know about them
  - Enormous number of parameters, settings, configurations ... sometimes hard to keep track – “Discoverability”
- Very powerful system:  
“We make the scissors, you do the running.”
  - Move to the foreground what is important at the time when it's needed

# Idea 2 - Background





# Idea 2 - Design

Airbus



## Idea 2 - Design

- “Flight Management”
- What you need when you need it



2.9

2.10

3.0

# Who is or will be working on that?

- MSU:
  - “Flight management”
  - Grading
  - Overall coordination
- Ostfalia/Wolfenbüttel:
  - Design
  - Look and feel
  - Discoverability
- MIT:
  - Social networking
  - Student support and signaling
- Purdue:
  - Flight management
  - Signaling
- UIUC
  - Hiring additional programmer

**MICHIGAN STATE**  
**UNIVERSITY**

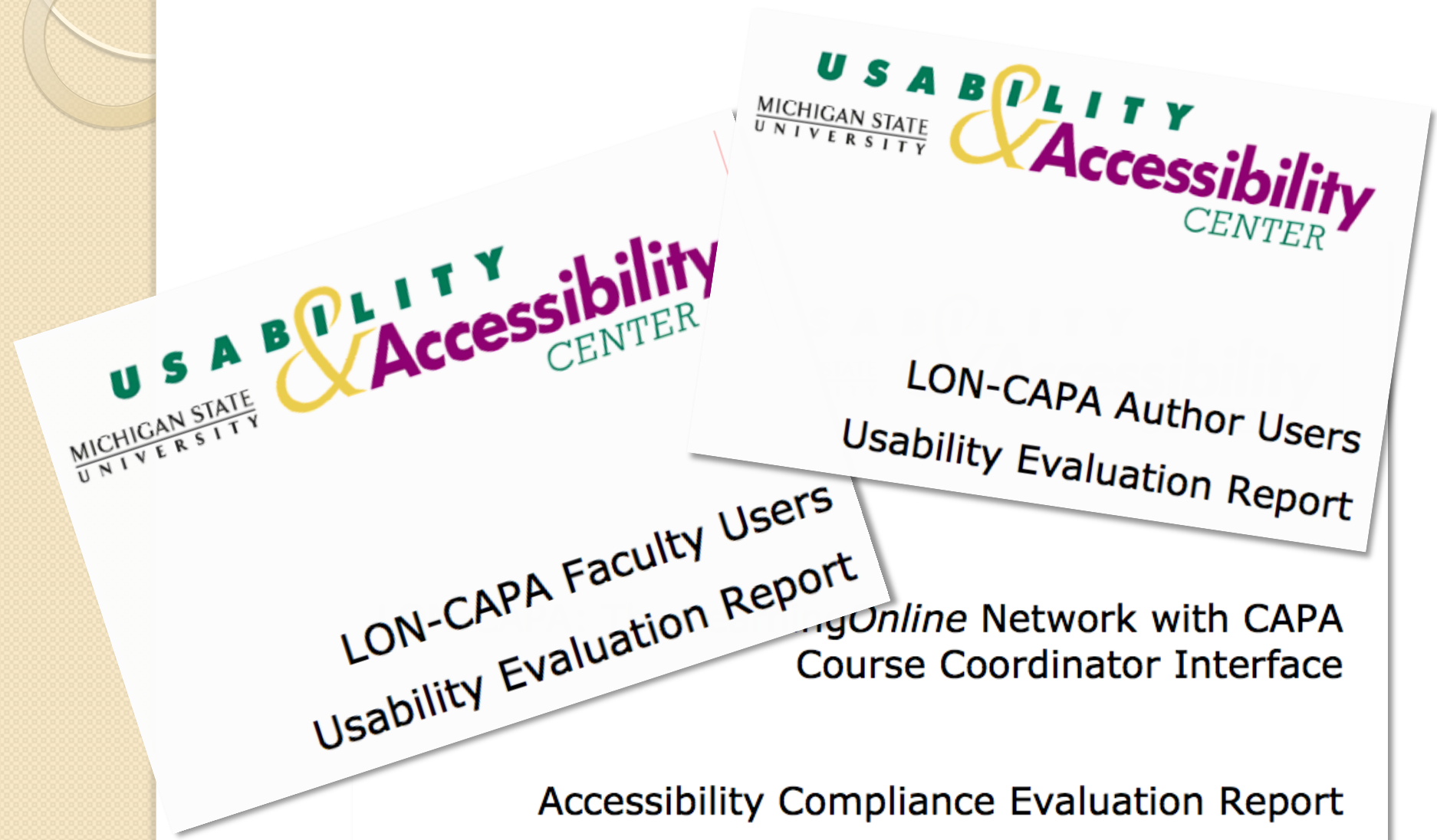
**Ostfalia**  
Hochschule für angewandte  
Wissenschaften 

 **Massachusetts  
Institute of  
Technology**

**PURDUE**  
**UNIVERSITY**

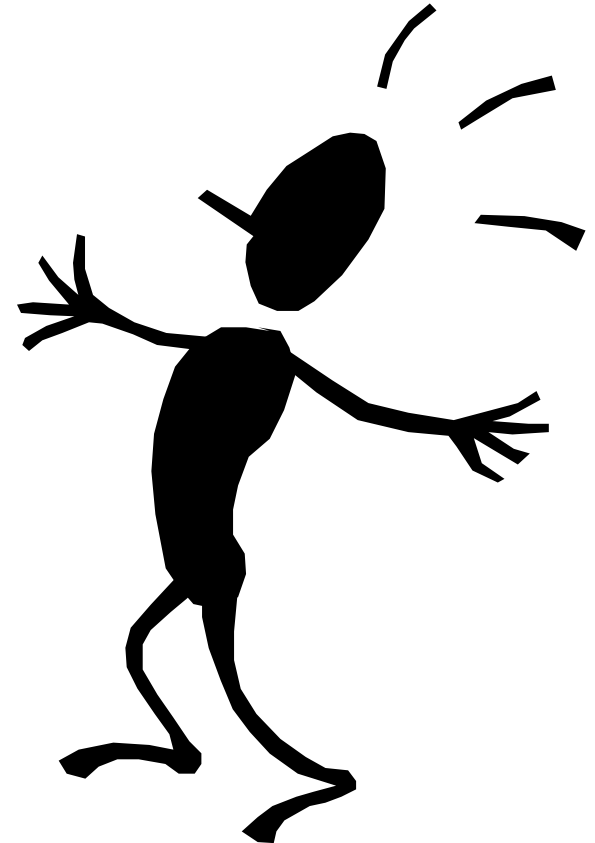
 **ILLINOIS**  
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

... with input by



# Things already (almost) working

- In the developer version of LON-CAPA, several of these concepts have already been implemented
- Still need
  - finishing touches
  - testing
- ... but they will be in 3.0 for sure



# Menus

- The “old” LON-CAPA
- Remote Control
- RIP



# Menus

## 2.9

This screenshot shows a course menu for 'AP Chemistry 2010/2011, Acid & Base Solutions: properties of acids and bases identification'. The menu is organized into several sections:

- Navigation:** 'Main Menu', 'Course Contents', 'Course Editor', 'Groups', 'Switch course role to...', 'Other Roles', 'Help', 'Logout'.
- Course Navigation:** 'Go to the previous resource in the course sequence' (left arrow) and 'Go to the next resource in the course sequence' (right arrow).
- Resource Actions:** 'Provide my evaluation of this resource' (lightbulb icon), 'Set a bookmark for this resource' (bookmark icon), 'Modify user grades for this assessment resource' (red X icon), and 'Provide feedback messages or contribute to the course discussion about this resource' (comment icon).
- Other Actions:** 'Show Metadata' (document icon), 'Modify parameter settings for this resource' (gear icon), 'Prepare a printable document' (printer icon), and 'Make notes and annotations about this resource' (notepad icon).

## 2.10

This screenshot shows a course menu for 'Gerd Kortemeyer (Course Coordinator) LB274, Spring 2011 - Intro Calc-Based Physics II'. The menu includes:

- Navigation:** 'Main Menu', 'Course Contents', 'Course Editor', 'Groups', 'Switch course role to...', 'New Messages', 'Roles', 'Help', 'Logout'.
- Course Navigation:** 'Course Contents > ... > Mirrors and Lenses Homework > Magnification 2'.
- Resource Actions:** 'Edit this resource' (pencil icon), 'Modify user grades for this assessment resource' (red X icon), and 'Modify parameter settings for this resource' (gear icon).
- Tools:** A row of icons for notes, documents, help, and other utilities.

## 3.0

This screenshot shows a course menu for 'Gerd Kortemeyer (Course Coordinator) LB 271 - Introductory Physics Lecture'. The menu features:

- Navigation:** 'What's New', 'Contents', 'People', 'Groups', 'Slots', 'Grades', 'Settings', 'Home', 'Messages', 'Preferences', 'Portfolio', 'Feeds', 'Roles', 'Help', 'Logout'.
- Course Navigation:** 'Course Contents > ... > Momentum Conservation > Bug and Truck'.
- Resource Actions:** 'Edit' (pencil icon), 'Content Grades' (checkmark icon), and 'Content Settings' (gear icon).
- Tools:** A row of icons for notes, wishlist, evaluate, communicate, print, and info.

# Menus

- Clear contexts
- Consistent positions

The screenshot shows a course management interface for "LB 271 - Introductory Physics Lecture" by Gerd Kortemeyer. The interface is divided into several sections:

- Header:** "Gerd Kortemeyer (Course Coordinator) LB 271 - Introductory Physics Lecture".
- Navigation Bar:** "Home Messages Preferences Portfolio Feeds Roles Help Logout".
- Course Menu:** "What's New | Contents | People | Groups | Slots | Grades".
- Role Selector:** "Switch course role to..." dropdown.
- Function Bar:** "Course" (with folder icon), "Notes" (with notepad icon), "Wishlist" (with hourglass icon), "Evaluate" (with thumbs up icon), "Communicate" (with speech bubble icon), "Print" (with printer icon), "Info" (with speech bubble icon).
- Functions Bar:** "Functions" (with folder icon), "Edit" (with notepad icon), "Content Grades" (with checkmark icon), "Content Settings" (with question mark icon).

Annotations with blue arrows point to specific elements:

- "Always" points to the "Course" link in the navigation bar.
- "Content" points to the "Contents" link in the course menu.
- "Course" points to the "Course" link in the navigation bar.
- "Homework" points to the "Content Settings" link in the functions bar.



# Menus

## 2.10 Main Menu



Gerd Kortemeyer (Course Coordinator) **LB274, Spring 2011 - Intro Calc-Based Physics II** (More ...)

New Messages Roles Help Logout




[Main Menu](#) | [Return to Last Location](#) | [Course Contents](#) | [Course Editor](#) | [Groups](#) | [Switch course role to...](#)

**LB274, Spring 2011 - Intro Calc-Based Physics II**






### My Roles

-  Switch to another user role
-  Course/Community requests



### Communication

-  Course announcements and my calendar
-  Send and display messages
-  Enter the chat room for the course


### My Space

-  Edit any group in the course
-  Enter my portfolio space
-  Edit blogs, RSS feeds, and podcasts
-  Set my user preferences
-  Use or edit my bookmark collection






### Content Library

-  Search the database of published resources and accessible portfolio files
-  Browse published resources




### User Management

-  Manage course users



### Course Management

-  Edit any group in the course
-  Manage slots
-  Modify course configuration
-  Modify parameter settings (due dates, etc) for resources and the course
-  What's New?



### Grading and Statistics

-  View calculated grades (Spreadsheet)
-  View the course assessment progress chart
-  View course assessment statistics

### Course Content

-  Edit course contents
-  Table of course contents

### Other

-  Logout
-  Display catalog of courses and communities

# Menus

## 3.0 Hierarchical Menu

- Action-oriented top-level
- Standard course management actions

Course Home / Home / Course Coordinator /

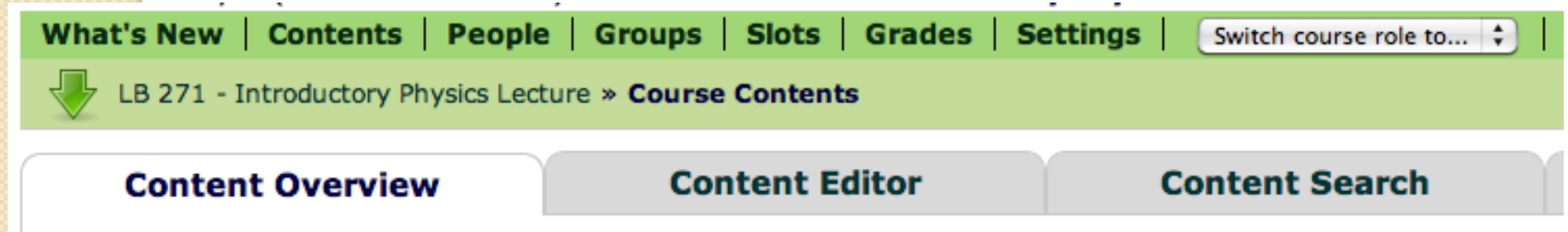
Home / Home / Home / Home / Home

**What's New | Contents | People | Groups | Slots | Grades | Settings |**

# Menus

## 3.0 Hierarchical Menu

- Next level tabs



- Should be intuitive for “old” users
- Less learning curve for new users
- Less clicks

# Contextualization

- “Flight Management”
- Items and messages clickable

**Content Overview** | **Content Editor**

Tools: Sort by:

- Syllabus
- Course Calendar
- Lecture Script
- ▼ **Homework**
  - ▶ **Clicker Registration, Syllabus**
  - ▶ **Mathematical Pre-Course, Getting Started**
  - ▶ **Kinematics**
  - ▶ **Coordinate Transformation**
  - ▶ **Relativity**
  - ▶ **Dynamics**
  - ▶ **Rotational Dynamics**
- ▼ **Momentum Conservation**
  - ? **Hot Dog Launcher** ✗ **Answer available**
  - ? **Jumping onto the rim of a Merry-Go-Round** ✗ **Answer available**
  - ? **Running around the rim of a Merry-Go-Round** ✗ **Answ**
  - ? **Bug and Truck** ✗ **Answ**
  - ? **Skater Collision** ✗ **Answ**
  - ? **Figure Skaters** ✗ **Answ**
  - ? **Particle collision** ✗ **Answ**
  - (Part: 11) ✗ **Answ**
  - (Part: 14) ✗ **Answ**

*Clickable* (arrow pointing to 'Hot Dog Launcher')


Direct jump to modification interface

Assessment URL and Title	Type	Enclosing Map or Folder	Part	Problem	Any User				Parameter in Effect	Current Session Value (kortemey:msu)
					in Course	Resource Level	in Course	in Course		
					for Enclosing Map or Folder	default	from Enclosing Map or Folder	for Resource		
msu / kortemey / physicalib / momentum / hotdog.problem	problem	Momentum Conservation	0 (default)	Problem Due Date [Part: 0] (duedate)	*	Fri Oct 23 11:59:59 pm 2009 (EDT)		*	Fri Oct 23 11:59:59 pm 2009 (EDT)	Fri Oct 23 11:59:59 pm 2009 (EDT)
<b>Hot Dog Launcher</b>			0 (default)	Problem Answer Date [Part: 0] (answerdate)	*	Sat Oct 24 01:00:00 am 2009 (EDT)		*	Sat Oct 24 01:00:00 am 2009 (EDT)	Sat Oct 24 01:00:00 am 2009 (EDT)

*Direct jump to modification interface* (arrow pointing to 'Hot Dog Launcher' row)

# Contextualization

A car (mass 860 kg) is  
bug need in order to sl

Tries 0/10 

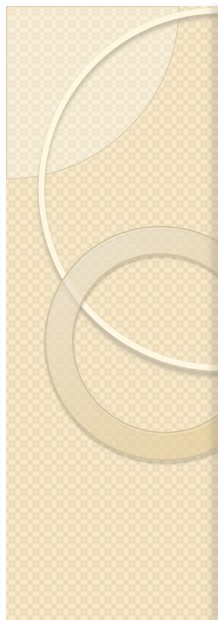


	Any User				
	in Course	Resource Level		in Course	
Parameter Name	general	for Enclosing Map or Folder	default	from Enclosing Map or Folder	for Resource
Maximum Number of Tries [Part: 0] (maxtries)	10	*			*

- ... of course depends on the privileges of the user

# Contextualization

- What's New screen
  - Essays and drop boxes



What's New | Contents | People | Groups | Slots |

↓ Brownbag Course » What's New?

Page set to be displayed after you have selected a role in this

Hide all Show all

## Problems requiring handgrading

### Problem Name

A multiple part problem - First Instance



click and grade

Grade Item Editing (Course Coordinator)

What's New | Contents | People | Groups | Slots | Grades | Se

↓ Brownbag Course » Grading » Grade ungraded submissions

Students do not see link to spreadsheet. Students will see points based on ca

Grades Overview | Spreadsheet (Detailed)

Folder: Introduction

Resource: A multiple part problem - First Instance

View Problem Text:  no  one student  all students

View Answer:  no  one student  all students

Submissions:  last submission only  last submissi

Grading Increments: Whole Points

Check For Plagiarism:

Hide

nggraded 1

To view/grade/regrade a submission or a group of submissions, click on the

Next →

Check All Uncheck All Check Section/Group

No.	Select	Fullname (Username)	Section/Group	Part: First Part (Part ID: 11) Status	Part: 13 Status
1	<input type="checkbox"/>	Kortemeyer, Gerd (korte) /Superstars		nothing	ungraded

Next →

# Grading

- Category-based grading mode added

Gerd Kortemeyer (Course Coordinator) **LB 271 - Introductory Physics Lecture** Home Messages Preferences Portfolio Feeds Roles Help

**What's New** | **Contents** | **People** | **Groups** | **Slots** | **Grades** | **Settings** | Switch course role to...

LB 271 - Introductory Physics Lecture » **Points Display**

Students do not see link to spreadsheet. Students will see points based on categories. Grade display settings

**Grades Overview** | **Spreadsheet (Detailed)** | **Statistics and Reports** | **Assessment Overview Chart** | **Content Grading**

For User  or Student/Employee ID  at Domain  Select User

Move	Action	Category	Contents	Total Points	Calculation	Relative Weight	Achieved
<input type="button" value="↑"/> <input type="button" value="↓"/>	<input type="button" value="(0)"/> <input type="button" value="Delete"/>	Homework	<ul style="list-style-type: none"> <li>Mathematical Pre-Course, Getting Started Delete</li> <li>Kinematics Delete</li> </ul> Add Problem or Folder <div style="border: 1px solid gray; padding: 5px; margin-top: 5px;"> <input type="radio"/> <b>LB 271 - Introductory Physics Lecture</b>  <input type="radio"/> radiobutton Final Exam Session Reservation view  <input type="radio"/> Clicker Registration Syllabus           </div>	<input type="button" value="default"/> <input type="text"/>	New Calculation Rule	<input type="text" value="20"/>	<input type="button" value="percent"/>
<input type="button" value="↑"/> <input type="button" value="↓"/>	<input type="button" value="(1)"/> <input type="button" value="Delete"/>	Exams	<ul style="list-style-type: none"> <li>Written Test 1 Version A Delete</li> </ul> Add Problem or Folder <div style="border: 1px solid gray; padding: 5px; margin-top: 5px;"> <input type="radio"/> <b>Written Test 1 Version B</b>  <input type="radio"/> numerical Problem 1 view  <input type="radio"/> radiobutton Problem 2 view           </div>	<input type="button" value="default"/> <input type="text"/>	New Calculation Rule	<input type="text" value="40"/>	<input type="button" value="percent"/>

Create New Category Current:0  
Total:0

# Content Editor

- Less scrolling and clearer categories on Content Editor

Gerd Kortemeyer (Course Coordinator) **LB 271 - Introductory Physics Lecture** Home Messages Preferences

**What's New** | **Contents** | **People** | **Groups** | **Slots** | **Grades** | **Settings** | Switch course role to...

LB 271 - Introductory Physics Lecture » **Course Contents** Edit

**Content Overview** | **Content Editor** | **Content Search** | **Content Index**

Main Course Documents » Homework » **Dynamics**

Move	Actions	Document	Settings
(1)	Remove Cut Rename Copy	Airplane	<input type="checkbox"/> Hidden <input type="checkbox"/> URL hidden
(2)	Remove Cut Rename Copy	Coffee Mug on Car Roof	<input type="checkbox"/> Hidden <input type="checkbox"/> URL hidden
(3)	Remove Cut Rename Copy	Block held in Place on an Incline	<input type="checkbox"/> Hidden <input type="checkbox"/> URL hidden
(4)	Remove Cut Rename Copy	Book held in Place on a Wall	<input type="checkbox"/> Hidden <input type="checkbox"/> URL hidden
(5)	Remove Cut Rename Copy	Two Boxes in an Elevator	<input type="checkbox"/> Hidden <input type="checkbox"/> URL hidden
(6)	Remove Cut Rename Copy	Braking on a Hill	<input type="checkbox"/> Hidden <input type="checkbox"/> URL hidden
(7)	Remove Cut Rename Copy	Car Lift	<input type="checkbox"/> Hidden <input type="checkbox"/> URL hidden
(8)	Remove Cut Rename Copy	Cow on the Road	<input type="checkbox"/> Hidden <input type="checkbox"/> URL hidden
(9)	Remove Cut Rename Copy	Toxic Waste on Crane	<input type="checkbox"/> Hidden <input type="checkbox"/> URL hidden
(10)	Remove Cut Rename Copy	Car driving up ramp	<input type="checkbox"/> Hidden <input type="checkbox"/> URL hidden
(11)	Remove Cut Rename Copy	Accelerated Snack	<input type="checkbox"/> Hidden <input type="checkbox"/> URL hidden

New Folder ? | **Import Documents** | **Published Resources** | **Grading Resources** | **Community Resources** | **Special Documents** | **Tools**



# Navigation

- New automatically generated index

e	
earth	Planets ... Potential ... Pendulum ... Problem 1 ... Problem 7 ... Problem 1 ... Problem 7 ... Approximat ... Approximat ... Problem 7 ... Problem 7 ... Cosmic Muo ...
effect	Problem 12 ... Problem 4 ...
efficiency	Body as Ca ... Thomas the ... Problem 26 ...
ekg	Heart Rate ... Problem 4 ... Problem 4 ... Problem 4 ... Problem 4 ...
elastic	Problem 13 ... Problem 13 ...
electric	Field at P ... Accelerati ... Fieldlines ... Equipotent ... Electric F ... Force and ... Problem 2 ... Problem 1 ... Problem 9 ... Problem 11 ... Problem 1 ... Problem 2 ... Problem 1 ... Problem 9 ... Problem 11 ... Problem 1 ...
electrocardiogram	Heart Rate ... Problem 4 ... Problem 4 ... Problem 4 ... Problem 4 ...
electron	Electron A ...
electrons	Problem 7 ... Problem 3 ... Problem 2 ... Problem 7 ... Problem 3 ... Problem 2 ...
electrostatic	Fieldlines ... Potential ...
energy	Two balls ... Sweating ... Noodle Wat ... Problem 9 ... Problem 10 ... Problem 5 ... Problem 10 ... Problem 9 ... Problem 12 ... Problem 2 ... Problem 4 ... Problem 10 ... Problem 7 ... Problem 13 ... ... Problem 4 ... Problem 9 ... Problem 10 ... Problem 5 ... Problem 10 ... Problem 9 ... Problem 12 ... Problem 2 ... Problem 4 ... Problem 10 ... Problem 7 ... Problem 13 ... Problem 4 ... Problem 4 ... Problem 5 ... Problem 18 ... Problem 19 ... Problem 4 ... Problem 5 ... Problem 18 ... Problem 19 ... Problem 3 ... Problem 18 ... Problem 5 ... Problem 21 ... Cosmic Muo ...
engine	Body as Ca ... Energy Bal ... Carnot Eng ... Carnot Eng ... Engine Cyc ... Thomas the ... Problem 11 ... Problem 11 ... Problem 10 ... Problem 8 ... Problem 8 ... Problem 9 ... Problem 10 ... Problem 8 ... Problem 8 ... Problem 9 ... Problem 8 ... Problem 8 ... Problem 8 ... Problem 8 ... Problem 16 ... Problem 3 ... Problem 11 ... Problem 18 ... Problem 11 ... Problem 16 ... Round Trac ... Problem 16 ... Problem 3 ... Problem 11 ... Problem 18 ... Problem 11 ... Problem 16 ... Problem 17 ... Problem 26 ... Problem 6 ... Car drivin ...

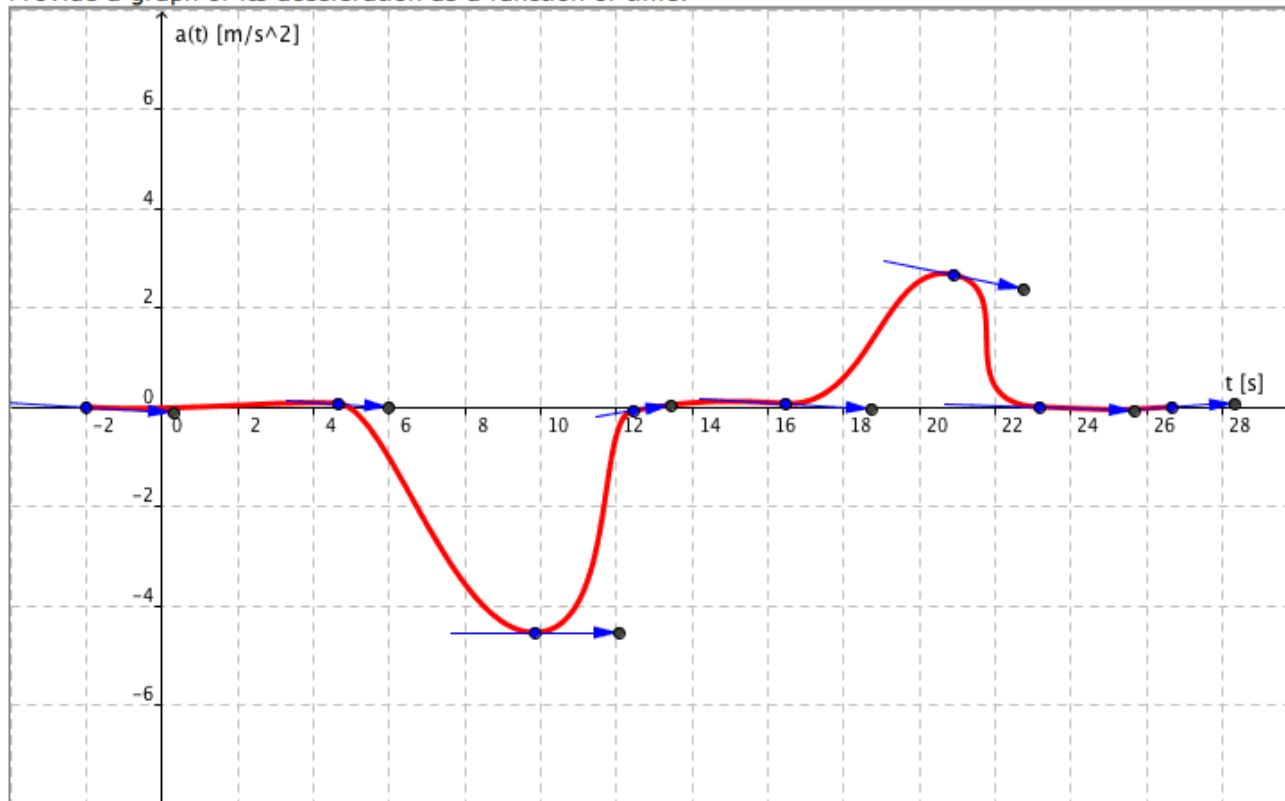


## ... and yes, homework ...

- We could not have a new release without *some* enhancements to homework
- Dynamic graphing

# Homework

At  $t=0$  s, a car cruises at a constant positive velocity. Suddenly, a light switches to red. At  $t=10$  s, the driver is maximum on the brake. The car then stops in front of the red light for over 2 seconds. Eventually, it drives off, and then again cruises at a constant velocity. The car cannot accelerate with more than  $3 \text{ m/s}^2$ . Provide a graph of its acceleration as a function of time.

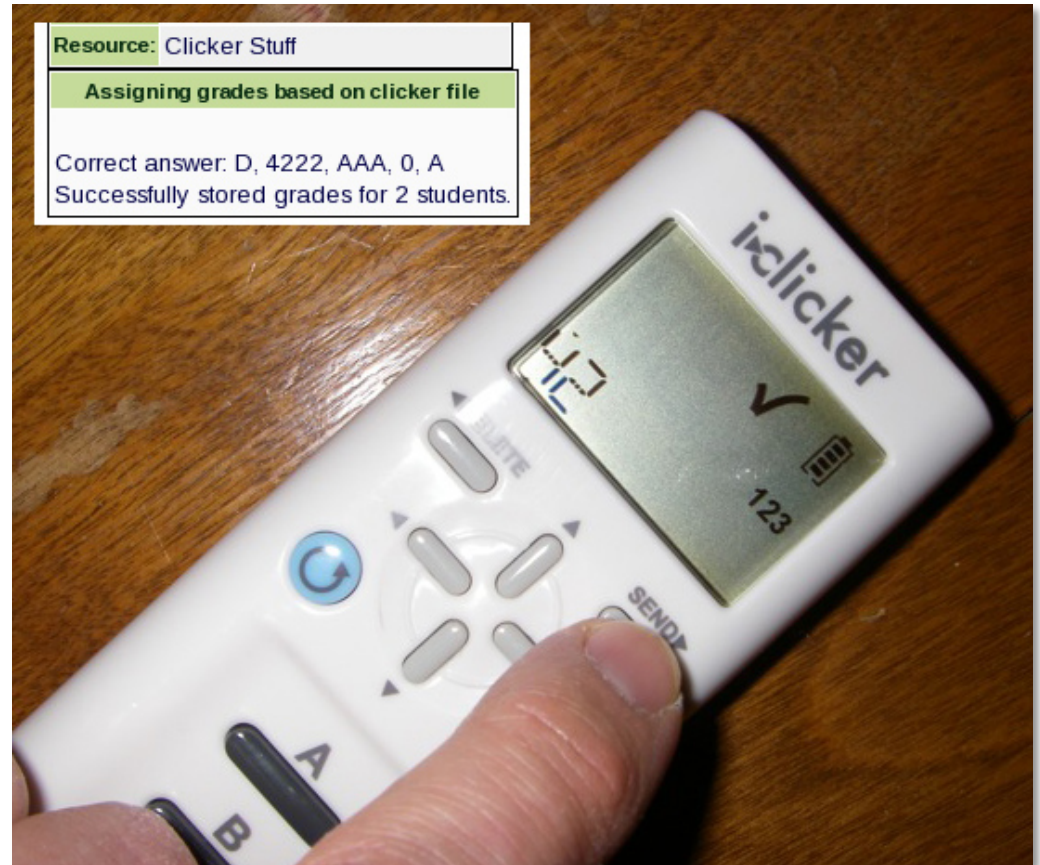


**You are correct.** Computer's answer now shown above. [Previous Tries](#)

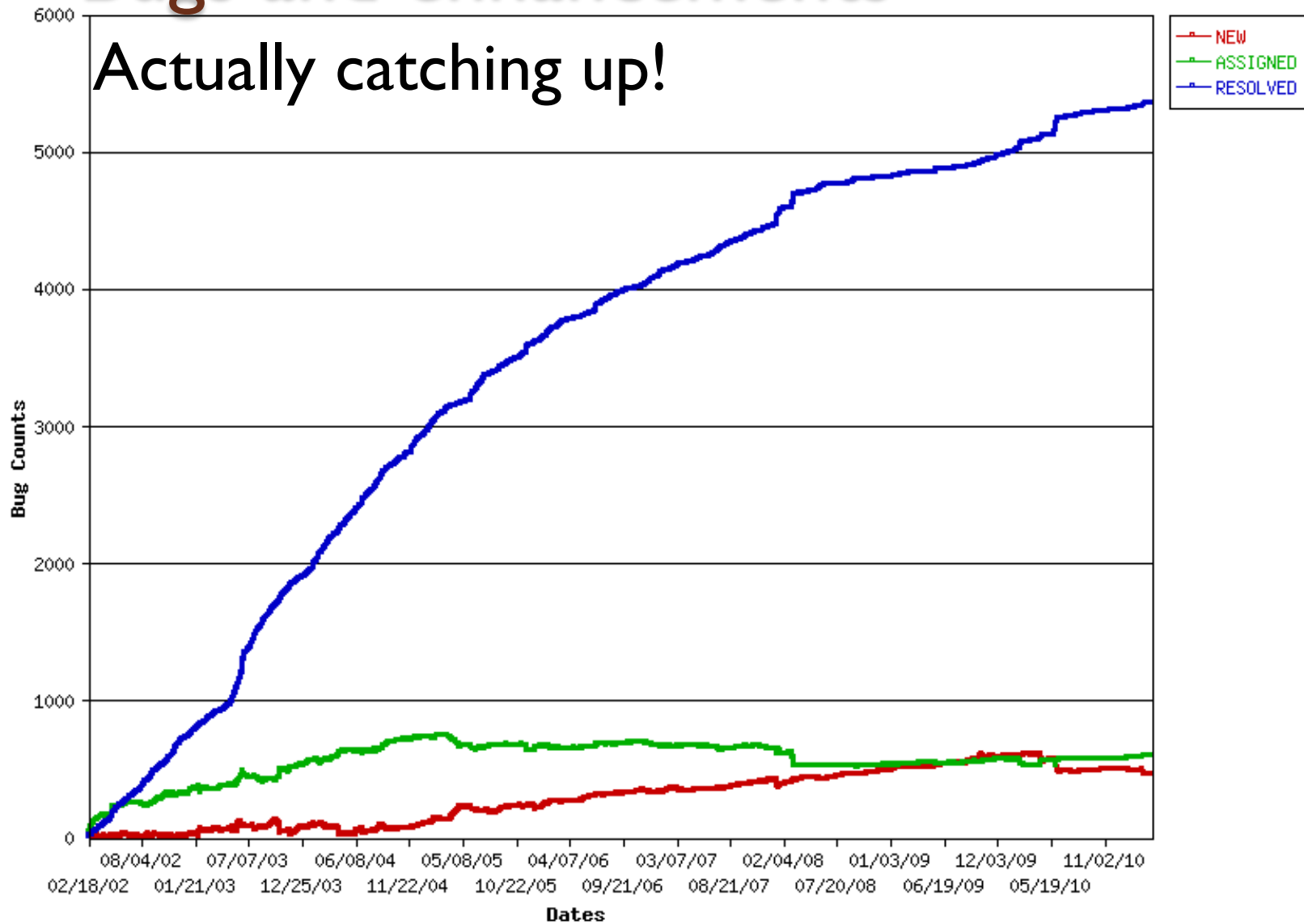
[Script Vars](#)  
[Rules Log](#)

# i>Clicker2

- Fully compatible with numerical and alphanumeric input of i>Clicker2

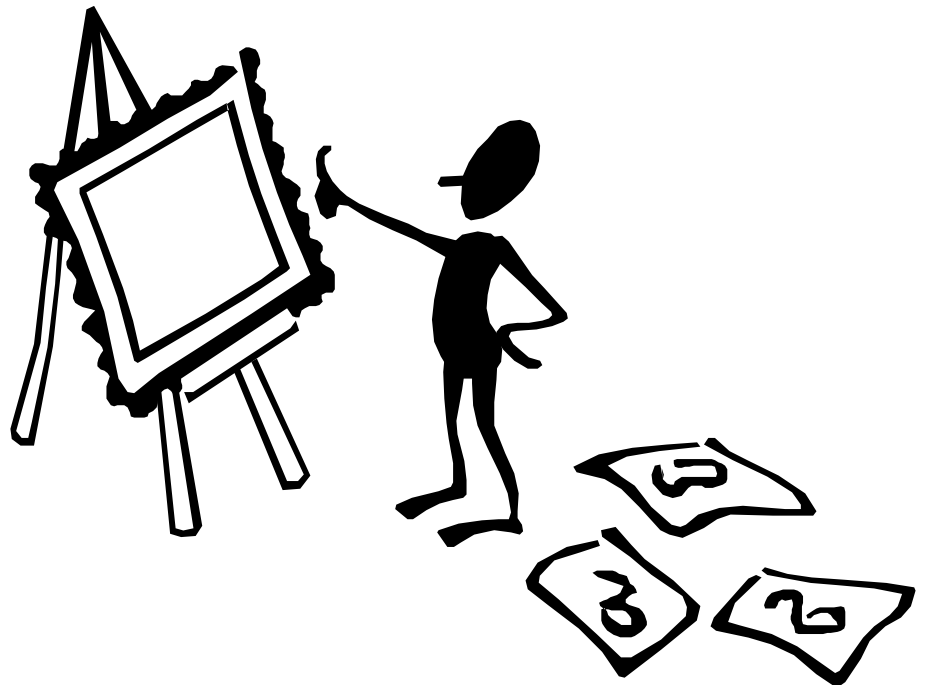


# And always: Bugs and enhancements



# Things to be done

- Things that are still left to do
- Currently in concept stage
- Warning: going from actual screen shots to mockups



# New Home Screen

- Home screen shows what is going on across courses, communities, ...
- Replaces Roles screen

[Gerd Kortemeyer](#) Home Messages Preferences Portfolio Feeds Help Logout

## Home

**System Maintenance: Friday, Feb. 30<sup>th</sup>, 7am-8am**

### Needs Attention

24 Handgraded Problems 16 Unread Discussion  
2 Problem Errors 14 Unread Messages

### My Roles

- Course Coordinator  
b272 Introductory Physics
- Community Member  
2011 Faculty Retreat Planning Committee
- Author  
Michigan State University

More ...  
Request creation of a new course of community  
Display catalog of courses and communities

### Announcements

- ▶ Complete homework assignment #5 by this Fri...
- ▶ Class moved to 101 WKH on Wednesday, Sept...
- ▼ Send completed surveys to Prof. Teachwell by next Tuesday or risk losing 5% of your class grade Expires January 5, 2010

Manage...

New Announcement:

Expires: 1/5/2010

### Calendar

Recent Events:  
Dec 15 -- Lorem ipsum dolor sit amer latin rules...  
Dec 16 -- Lorem ipsum dolor sit amer latin rules...

Future Events:  
Dec 15 -- Lorem ipsum dolor sit amer latin rules...  
Dec 16 -- Lorem ipsum dolor sit amer latin rules...

New Event

December 2010

26	27	28	29	30	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6

Manage Calendar  
Subscribe (iCal)  
Default Dates

Enters role and jumps to relevant screen

Cumulative Calendar

# New What's New

- “Flight management”
- Will be available for all users in all roles

Gerd Kortemeyer (Course Coordinator) **LB274, Spring 2011 - Intro Calc-Based Physics II** (More ...) [New Messages](#) [Roles](#) [Help](#) [Logout](#)

[Main Menu](#) | [Return to Last Location](#) | [Course Contents](#) | [Course Editor](#) | [Groups](#) |

LB274, Spring 2011 - Intro Calc-Based Physics II » **What's New?** What's New?

Page set to be displayed after you have selected a role in this course. Currently: *What's New Page (user preference)*. **Change** for just [this course](#) or for [all your courses/communities](#).

[Hide all](#) [Show all](#)

## Problems requiring handgrading [Hide](#)

*No problems require handgrading*

## Problems with errors [Hide](#)

*No problems with errors*

## (Problems with av. attempts $\geq 2$ or deg. difficulty $\geq 0.5$ and total number of students with submissions $\geq 2$ ) [Hide](#)

[Change thresholds?](#)

Resource	Part	Num. students	Av. Attempts	Deg. Diff	Last Reset	Reset Count?
<a href="#">Air Crew Radiation Exposure</a>	single part	2	4.00	0.88		<input type="checkbox"/>
<a href="#">Angle</a>	single part	108	1.96	0.50		<input type="checkbox"/>
<a href="#">Area increase</a>	single part	108	2.25	0.56		<input type="checkbox"/>

## Unread course discussion posts [Hide](#)

[Change options?](#)

Location	Type	Time of last post	Number of new posts
<a href="#">Diffraction by a Single Slit</a>	Resource	last Sunday, Mar 27 at 07:47 pm (EDT)	1
<a href="#">Farthest Point</a>	Resource	last Sunday, Mar 27 at 03:30 pm (EDT)	2
<a href="#">Thin-Film Interference</a>	Resource	on Thursday, Mar 24 at 06:40 pm (EDT)	1

## New course messages [Hide](#)

*No new course messages*

## New critical messages in course [Hide](#)

*No unread critical messages in course*



# New Contextualization

- “Flight management”
- Display pertinent information when needed

Freddo Non Existing (Course Coordinator) **Brownbag Course** Home Messages Preferences Portfolio Feeds Roles Help Logout

What's New | Contents | People | Groups | Slots | Grades | Settings | Switch course role to... |

← → Course Contents » ... » Week 1 » Basic Kinematics Notes Wishlist Evaluate Communicate Print Info

Functions Edit Content Grades Content Settings



Extend due date  
Increase maximum number of tries

High degree  
of difficulty

Generally: Open [Change](#)  
Not open for section 003 [Change](#)  
Generally: Due May 17, 2010 [Change](#)

4 Messages regarding this problem [Read](#)

# New Helpers

- More helpers to accomplish tasks
- “I want to turn this folder into an exam”
  - hiding
  - dates
  - exam mode
  - etc

## Select Folder

[Back](#) [Next](#)

Select the folder you wish to set the parameter for:

**Select**

- Readings
- Introduction
- Student Attitudes and Expectations
- Expert and Novice
- Learning to Learn
- Concept Inventories
- Topics: Kinematics
- Topics: Dynamics, Waves
- Topics: Electric Fields and Potentials, Circuits
- Instructional Techniques: Peer Instruction
- Instructional Techniques: Tutorials
- Instructional Techniques: Online Homework
- Instructional Techniques: Just-In-Time Teaching
- Gender Differences in Physics Learning
- Motivating Students
- Grading to Encourage Learning
- Class Management
- Non-Traditional Students
- Fostering and Enforcing Academic Integrity
- Informal Science Education and Outreach
- Developing a Teaching Philosophy
- Responses

# New Search

- Recommender system based on dynamic metadata
- Shopping cart metaphor for importing resources



amazon.com Hello, Gerd Kortemeyer. We have [recommendations](#) for you. (Not Gerd?)  
Gerd's Amazon.com Today's Deals Gifts & Wish Lists Gift Cards Your Amazon Browser  
Internet Explorer 8 Optimized for Amazon.com Your Account Help

Shop All Departments Search All Departments GO Cart Wish List

Your Amazon.com Your Browsing History Recommended For You Rate These Items Improve Your Recommendations Your Profile Your Communities Learn More

Gerd, Welcome to Your Amazon.com (If you're not Gerd Kortemeyer, click here.)

### Today's Recommendations For You

Here's a daily sample of items recommended for you. Click here to [see all recommendations](#). Page 2 of 30 (Start over)

 <p><b>LOOK INSIDE!</b></p>		 <p><b>LOOK INSIDE!</b></p>	 <p><b>LOOK INSIDE!</b></p>	 <p><b>LOOK INSIDE!</b></p>	 <p><b>LOOK INSIDE!</b></p>
<p><a href="#">In Search of Schrödinger's...</a> (Paperback) by John Gribbin ★★★★☆ (55) \$12.24 <a href="#">Fix this recommendation</a></p>	<p><a href="#">NOVA: Solar Energy - Saved...</a> DVD ~ Steven... ★★★★☆ (6) \$17.99 <a href="#">Fix this recommendation</a></p>	<p><a href="#">Evolution of Physics</a> (Paperback) by Leopold Infeld ★★★★☆ (15) \$10.20 <a href="#">Fix this recommendation</a></p>	<p><a href="#">Perl in A Nutshell: A Desk...</a> (Paperback) by Ellen Siever ★★★★☆ (24) \$26.37 <a href="#">Fix this recommendation</a></p>	<p><a href="#">Regular Expression Pocket Re...</a> (Paperback) by Tony Stubblebine ★★★★☆ (28) \$10.19 <a href="#">Fix this recommendation</a></p>	<p><a href="#">Ideas And Opinions</a> (Paperback) by Carl Seelig ★★★★☆ (47) \$9.86 <a href="#">Fix this recommendation</a></p>

# New Alerts

- Integrate Purdue's alert system for students-at-risk into LON-CAPA

## LON-CAPA Laurie

LON-CAPA Assessment Tools and All Things Edu-Tech

### More LON-CAPA problems + Signal Alerts contributed to best student performance ever!

by LAURIE ITEN on JANUARY 5, 2011

Ever since I submitted course grades for my BIOL 135, First-Year Biology Lab last semester, I've been doing a "happy dance" because our over all class performance was the best ever! Just check out the table below of student course grades for the past three semesters.



#### Course grades with number of students for past three semesters of BIOL 13500, First-Year Biology Lab

	Fall '09	Spring '10	Fall '10*
A+	0	1	0
A	6	16	13
A-	10	4	6
B+	11	9	21



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# New Learner Resources



Massachusetts  
Institute of  
Technology

## Learning Resources

Type of Resource <input type="checkbox"/>	Difficulty Level <input type="checkbox"/>	
Video Lecture	65%: Advanced Highschool and Introductory College	<a href="#">Lewin's Lecture on Friction</a> <input type="checkbox"/>
Text	75%: Calculus Based College	<a href="#">Dave's: Going from Static to Kinetic</a> <input type="checkbox"/>
Text	60%: Advanced Highschool and Introductory College	<a href="#">Coefficients of Static and Kinetic Friction</a> <input type="checkbox"/>
Text	80%: Advanced Calculus Based Physics	<a href="#">Static Friction as Constraint</a> <input type="checkbox"/>
Interactive Exercise	60%: Advanced Highschool and Introductory College	<a href="#">Andes Tutorial Problems</a> <input type="checkbox"/>

- Content “Assets”
  - FAQ
  - Recommended resources

## Frequently Asked Questions

Number of Answers <input type="checkbox"/>	Ranking <input type="checkbox"/>	
0	No ratings yet	<a href="#">How do we define kinetic friction on an incline?</a> <input type="checkbox"/>
2	Somewhat Helpful	<a href="#">In what ways are Normal and Frictional Forces components of a contact force?</a> <input type="checkbox"/>

# New Import Tools

- Automated ANGEL import

The screenshot displays the ANGEL LMS interface for a course titled "THE MARKET FOR KIDNEYS -- Due 11:00 p.m., Monday, June 8." The interface includes a navigation menu with options like "Course", "Lessons", "Resources", "Communicate", "Report", and "Automate". A sidebar on the left contains icons for home, help, power, and user profile, along with a list of course items such as "READ ME FIRST!", "Kidney Market Pre-Survey", "Pre-test: Market for Kidneys", "SLIDE SHOW NARRATIVE", "GUIDED READINGS ON", and "Activities on Kidney Transplants".

The main content area shows the "Content Overview" tab selected, with a "Content Editor" tab also visible. The "Content Overview" section includes a "Tools" menu with icons for folders, documents, and a checkmark, and a "Sort by" dropdown menu set to "Default". The content list includes:

- Course Introduction
- FIRST MIDTERM EXAMINATION - Thursday, June 4, 7:30 p.m., room 117 Berkey Hall (marked with a red X)
- The Market for Kidneys
  - Read Me First
  - Kidney Market Pre-Survey (marked with a yellow arrow and "Open, no due date")
  - Pre-test: Market for Kidneys
  - Slide Show: Narrative on Kidney Market
  - Guided Readings on Kidney Market
  - Problem Set: Kidney Transplants
  - Post-test: Market for Kidneys
  - Kidney Market Post-Survey (marked with a yellow arrow and "Open, no due date")

A large blue arrow points from the top right towards the "Content Editor" tab, highlighting the new import tool feature.

# More on this

## 2011 LON-CAPA Conference and Workshop

*May 19-21, 2011  
Richmond, Virginia*

### **Welcome to the 13th LON-CAPA Conference and Workshop!**

The LON-CAPA Conference is hosted by Virginia Commonwealth University, Richmond, VA.



Sponsored by





**Thank you!**

**Questions and maybe answers?**

**Gerd Kortemeyer**

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