

What is a Learning Management System (LMS)?

Florida Board of Governors Innovation and Online Committee
June 19, 2014

Definition

- An **LMS** is a Web-based software application that supports the development, delivery, assessment, and administration of online learning experiences.



Learning Management System



- An LMS can be used to facilitate teaching and learning in face-to-face, blended, fully online or MOOC environments.
- Over 33% of all US higher education students take online courses. Virtually all US institutions that offer online learning use an LMS.

LMS: A Misnomer

- LMS systems don't really "manage" learning. Students do that.
- LMS systems do provide many tools, structures, and processes that can facilitate online teaching and learning.



If an LMS were a
Swiss Army Knife...

More than 250 features and functions



LMS Functions and Tools



- Course rosters & student authentication
- Syllabus and course structure
- Course materials & learning objects
- Communication tools (email, chat, video)
- Progress tracking, testing, gradebook

LMS Functions and Tools



- ePortfolios
- Mobile apps for students and teachers
- Learning analytics (student learning behaviors and outcomes)

LMS Integrations



- Student information and HR systems
- Non-LMS instructional tools and resources (e.g., publisher materials, other learning systems and tools)
- Social networking sites

PSY2012-13Fall 0W59

🏠 > PSY2012-13Fall 0W59

Home

Announcements

Modules

Chat

Grades

Assignments

Quizzes

Syllabus

Files

Collaborations

Pages

Discussions

People

Outcomes

Conferences

UCF Library Tools

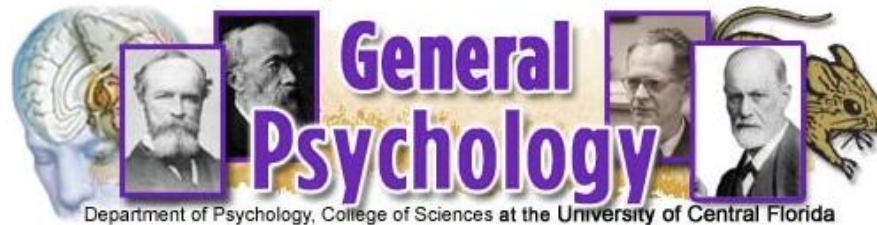
Settings

PSY2012-13Fall 0W59

[Change Home Page Layout](#) | [See Course Stream](#)

Last edited by Alisha Janowsky 9 months ago

[🕒 Page history](#)



Dr. Alisha Janowsky



[Start Here!](#)



[Modules](#)



[Immersive Research Experience](#)



[Tech Support](#)



ENC6217-14Spring 0W61

Home

Announcements

Modules

Syllabus

Discussions

Assignments

Grades

Quizzes

Collaborations

Chat

UCF Library Tools

Home > ENC6217-14Spring 0W61 > Modules

Course Modules

Start Here

Welcome

Course Welcome

Protocols

Instructor Biography

Support & Supplemental Information

Online Learning Resources

Course Resources

Module 1 - Course Introduction

Module 1 Introduction

Module 1 Activities

Module 1 Discussions

Module 1 - Introductions

Jan 12 20 pts

Module 1 - Opening Reflection

Jan 12 40 pts

Module 1 Assignment

1a: Introductory Memo

Jan 12 10 pts

PSY2012-13Fall 0W59

🏠 > [PSY2012-13Fall 0W59](#) > [Discussions](#) > [Module 06 Graded Discussion](#)

- Home
- Announcements
- Modules
- Chat
- Grades
- Assignments
- Quizzes
- Syllabus
- Files
- Collaborations
- Pages
- Discussions**
- People
- Outcomes
- Conferences
- UCF Library Tools
- Settings



Jason

Nov 11, 2013



I believe the best theory of motivation is Maslow's Hierarchy of Needs. It is very understandable how the most basic needs are at the bottom level and in order to proceed to a higher level you need a strong foundation at the current level. Without clean water, nourishing food, shelter, and good sleep it will be very hard to stay healthy. Lack of love, family and intimacy can effect one's self esteem and so forth. If one was caught in a survival situation tomorrow they would fall directly to the bottom level, no matter where they were before. Without the most basic needs they will not survive.



Vanessa

Nov 15, 2013



I also agree that Maslows hierarchy of needs is the best theory. Yes it is very understandable. It also states our basic needs like you said. I think it is neat that not everyone priorities and needs are the same!



Chasity

Nov 16, 2013



I agree that Maslow's Hierarchy of Needs is the best most basic need due to the fact that it takes your from the bottom of your survival needs to a path of your desired needs to live. We all need food and water to live and the support of family and friends to nurture and love us



Andre

Nov 11, 2013



I feel that the Maslow's Hierarchy of needs pyramid is the most complete theory on motivations. The instinct and drive reduction theory seem to focus on how a person would react in order to get their basic needs met (food, safety shelter) which is covered in Maslow's theory. The optimal arousal theory focuses less on the basic human needs and more on the needs of self actualization, being unique, and the need to change or evolve. Since Maslow's theory seems to encompass all three of these theories I have to say that it is the

Home

Announcements

Modules

Chat

Grades

Assignments

UCF Library Tools

Term List:

Synapse

Synaptic terminals

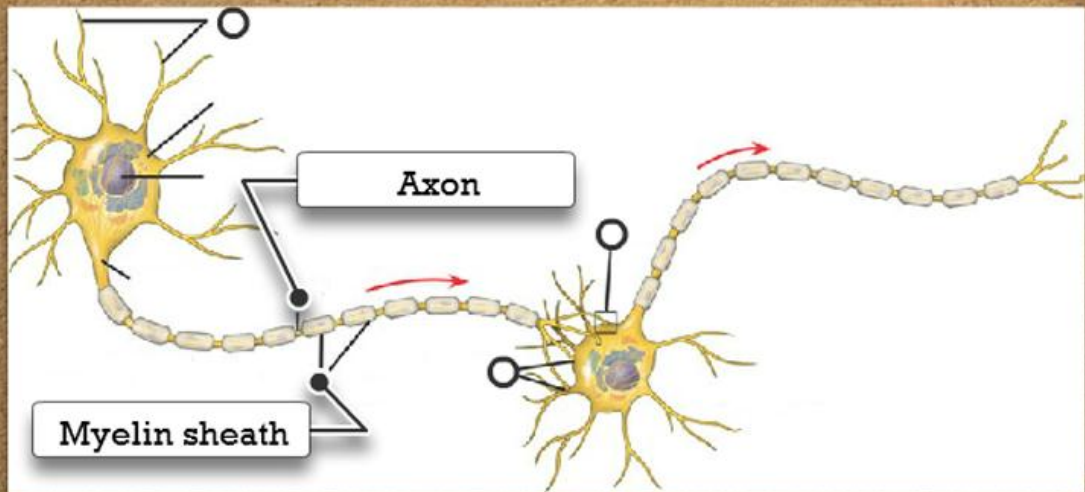
Dendrites

Neural anatomy

Done

Click 'Done' to Submit

This will grade your label assignment and take you to the score screen.





EME5050-14Spring
0W61

Home > EME5050-14Spring 0W61 > UCF Library Tools



University of Central Florida Libraries

Home

Announcements

Modules

Assignments

Quizzes

Discussions

People

Grades

Conferences

Syllabus

Files

Collaborations

Outcomes

Pages

Chat

UCF Library Tools

Settings

UCF Library Tools

OneSearch

(Searches Catalog, Databases, and Articles)

Search

Clear

[Advanced Search](#)

Keyword Title Author

**Does not search all library resources.*



Resources

Articles & Databases

Best for searching one topical database at a time

Ask a Librarian

Ask any Question, Get Research Help!

[UCF Librarian IM Chat](#)

Showing All Sections ▾



- View Grading History**
- Download Scores (.csv)**
- Upload Scores (from .csv)**
- Set Group Weights**
- Show Student Names**
- Arrange columns by due date**
- Treat Ungraded as 0**
- Show Concluded Enrollments**
- Show Notes Column**

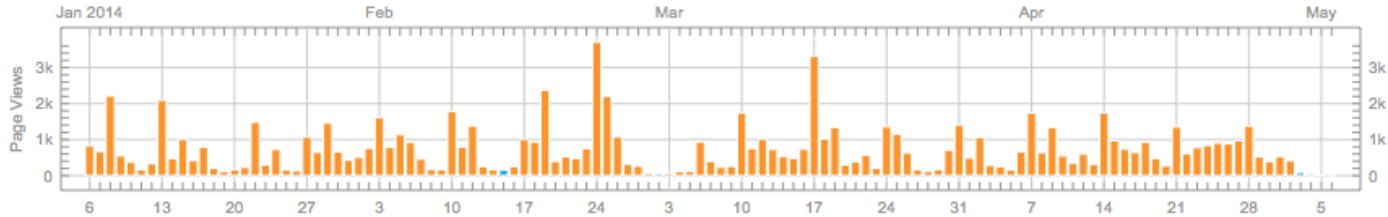
Student Name	Section #1: Searching Out of 25.7	Activity Reflection #2: Spreadsheet Out of 25.71	Activity Reflection #3: About Page Out of 25.71
Student EME5050-14Spring 0W61	25.42	25.71	25.42
Student EME5050-14Spring 0W61	25.42	23.16	25.64
Student EME5050-14Spring 0W61	0	0	0
Student EME5050-14Spring 0W61	20.41	24.29	25.14
Student EME5050-14Spring 0W61	25.16	25.71	25.71
Student EME5050-14Spring 0W61	25.42	25.71	25.25
Student EME5050-14Spring 0W61	25.7	25.71	25.71
Student EME5050-14Spring 0W61	-	-	-
Student EME5050-14Spring 0W61	25.7	26.22	25.71
Student EME5050-14Spring 0W61	25.7	23.16	25.71



CIS3003-14Spring 0001

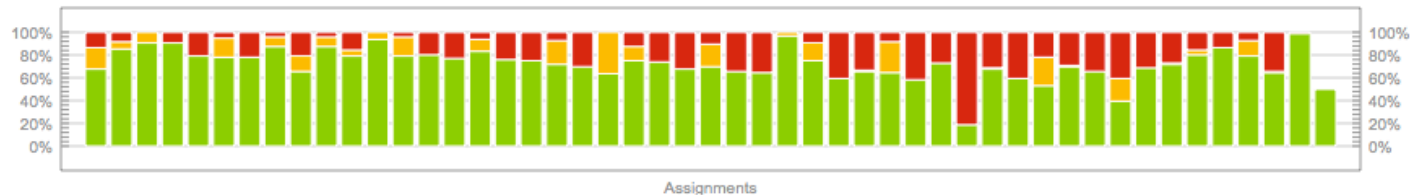
Activity

Each bar represents the number of page views on that day. An orange bar indicates that some user took an action within the course on that day.



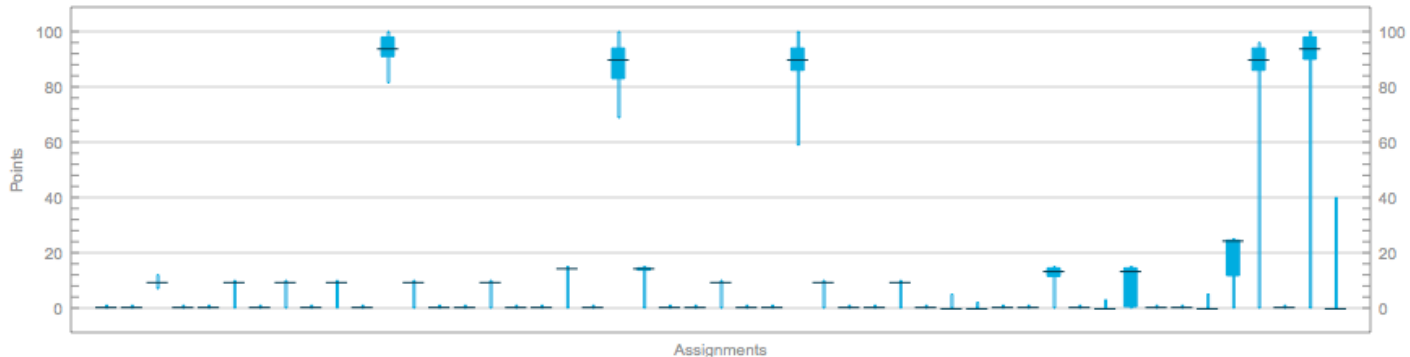
Assignments

Each bar is an assignment. The green layer represents the percentage of students that turned in the assignment on time. Assignments that are late are yellow, and missing assignments are red.







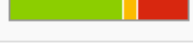





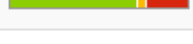
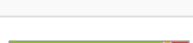



Grades

Each bar is one assignment. The thin vertical whisker extends from the lowest score for any student in the course to the highest score. The thicker bar extends from the 25th percentile to the 75th, with the median marked.





Student ▾	Page Views ↕	Participations ↕	Assignments	Current Score ↕
 Da				91.1%
 Ja				86.6%
 Re				85.5%
 Ce				76.6%
 Rc				90.4%
 De				94.6%
 Ma				93.1%
 In				96.4%
 Br				75%
 Pa				92.6%
 Br				93.5%
 St				83%
 Ju				87.9%
 St				90.6%
 Jo				95.1%
 An				93.4%

Three LMS Categories

- Institution-developed
- Open Source
- Commercial



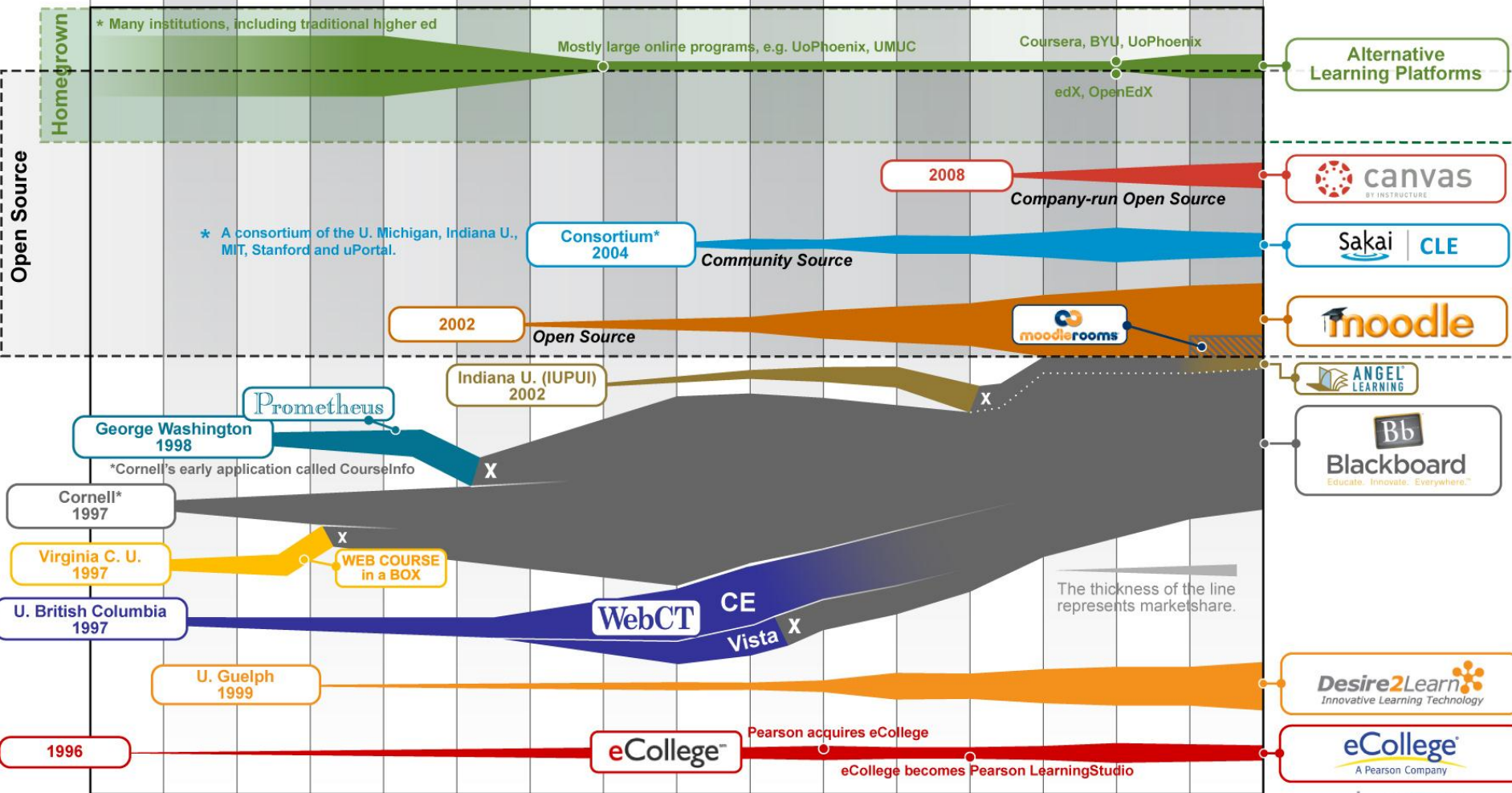
Higher Education LMS Market Share for Institutional Adoption

LEARNING MANAGEMENT SYSTEM

LEARNING PLATFORM

Anglosphere institutions selecting LMS, adjusted by enrollment and recent selections

1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013



Key data from 2005 - 2009 from Campus Computing project <http://www.campuscomputing.net>, 2013 data from Edutechnica <http://www.edutechnica.com>

Phil Hill (@PhilOnEdTech)



LMS Hosting



- On campus
- External (e.g., vendor)
- Cloud (e.g., Amazon Web Services)
- Must have continuous uptime and fast performance

LMS Trends

- LMS purchasing consortia (e.g. Internet2 NET+, FLVC)
- Significant VC EdTech investments
- Shift from closed applications to open learning platforms
- Shift from campus hosting to cloud



In the coming decade, the LMS will grow in importance as a means of providing access to educational experiences—on-campus, at a distance, and at all educational levels.