VII. STANDING COMMITTEES

A. Academic and Student Affairs Committee

in Joint Session with

B. Finance, Audit and Facilities Committee

<u>Using Technology to Improve the Student Experience</u>

INFORMATION

This purpose of this presentation is to describe the current and planned technology initiatives to improve the student experience. This presentation is for information only.

BACKGROUND

The University has made great strides in achieving the near-term goals of the *Two Years to Two Decades (2y2d), Teaching & Learning in the 21st Century Initiative* over the last year. A great deal of activity has centered on fulfilling the needs and expectations of an increasingly diverse and digitally-savvy UW community, in particular through piloting transformative, integrated technologies that can support cutting-edge pedagogy, save faculty time, and provide academic continuity.

STRATEGY

These initiatives detailed below are data-driven, beginning with the 2009 2y2d effort asking more than 3,500 faculty, staff, student, and community stakeholders how to sustain excellence over the next two years while facing rapidly declining state funding, and where the UW should be in 20 years. Other sources of data include:

- IT Strategy for Students: Report to Executive Sponsors (July, 2010)
- UW-IT 2011 Satisfaction Survey
- 2011 Faculty, Teaching Assistant & Student Surveys on Teaching, Learning & Research Technologies
- Autumn 2011 Student Experience Research Project
- Assessments of the pilot projects

As a result, roughly 12 technologies – bought, built, or borrowed – are now onpremise and in the cloud, some in pilot project mode and others in full production. A. Academic and Student Affairs Committee

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<u>Using Technology to Improve the Student Experience</u> (continued p. 2)

INITIATIVES

Canvas Learning Management System

Canvas is a modern and flexible learning management system, built as a native cloud-hosted service. It offers an enterprise platform for integrating other teaching and learning tools, and a wide variety of analytics to assess student performance.

• Rollout to all three campuses underway.

Tegrity Lecture and Presentation Capture Software

Tegrity is a cloud-hosted presentation capture system that lets anyone record from any computer, without specialized hardware or software. On playback, students can personalize their learning as they annotate and bookmark recordings, and faculty can use Tegrity recordings to free up lectures for other activities, such as flipping the classroom.

• Rollout underway on all three campuses.

eText Pilots

This pilot project delivers eText solutions from two vendors, offering electronic textbooks with collaborative features, accessible via desktop or any mobile device. Texts come at a cost-savings to students, and faculty can shape how students interact with the text.

• Pilots began in Spring 2012 and are still underway.

Mobile Applications for Students

UW-IT is building several mobile applications requested by students. These include MyUW Mobile, which allows students to view class schedules and access class Web sites, and a student-funded application that helps students find places to study on campus.

• Applications coming Autumn 2012.

Coursera @ UW

Coursera is both a company and platform for offering massive open online courses, and the UW has signed on as a partner, joining Princeton, Stanford, University of Michigan and ten other institutions. The no-cost UW courses offered in Coursera may be extended by self-sustaining, credit bearing versions

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taught by UW faculty through UW Professional & Continuing Education. The UW is the first university to adopt this model.

• Three/Four UW courses in Coursera for Autumn 2012.

GradePage Electronic Grade Submission

Beginning in Winter 2009, GradePage made it possible for faculty to turn in final grades online. With the elimination of paper forms in Autumn 2011, 94% of final grades are now turned in on time, up from 75% in Winter 2009, improving a host of student-focused business processes: scholarships, financial aid eligibility, prerequisites, Honors calculations, etc.

Financial Aid Self-Service

New services will allow students to manage their financial aid, check and adjust loans, and assess aid eligibility. Better messaging and self-service for students, with clearer status and actions for online award acceptance, rejection or reduction, enable students to take responsibility for their loan debt. Required document tracking provides visibility into documentation needed to process aid. Loan history helps students monitor their overall student loan debt accumulation.

Enhanced Online Student and Departmental Academic Planning Tools

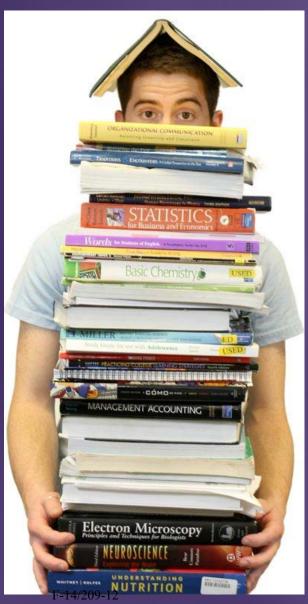
MyPlan will provide a one-stop academic planning tool, and Kuali Curriculum

Management will let departments manage curriculum information more

effectively, while offering better information to students. A course availability
notification service will help students register for high-demand courses of interest.

• Releases begin Autumn 2012 and continue through FY 2014.

INFORMATION TECHNOLOGY UNIVERSITY of WASHINGTON



Using Technology to Improve the Student Experience

Kelli Trosvig
Vice President for UW Information Technology
and CIO

September 13, 2012





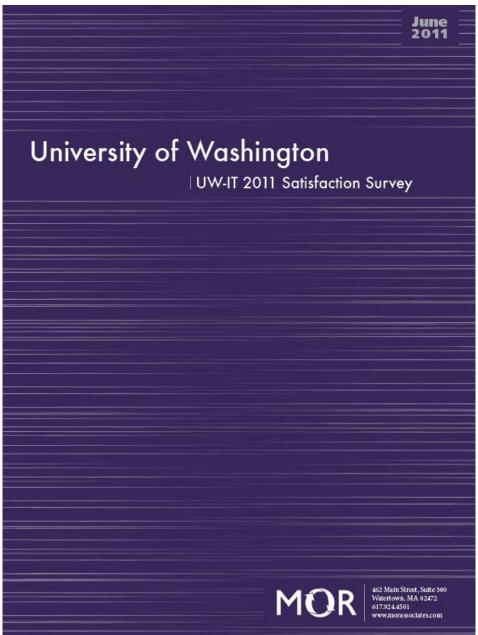
IT Strategy for Students **Advisory Committee**

Report to the Executive **Sponsors**

July 2010

Page 1







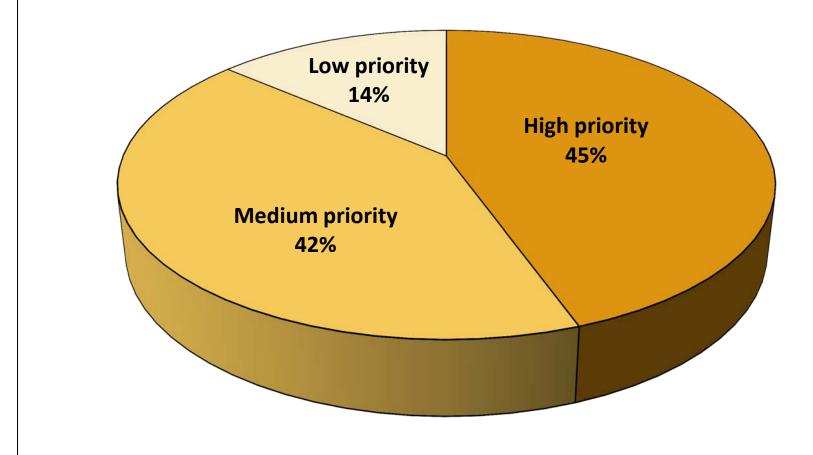
2011 Faculty, Teaching Assistant, and Student Surveys on Teaching, Learning, and Research Technologies

Winter 2011



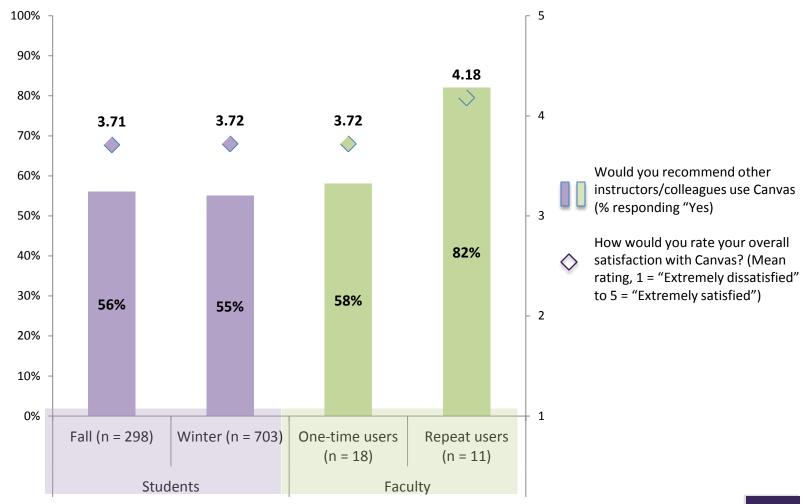


2011 Survey: Top Student Priority Better Integrate all Course Information Online



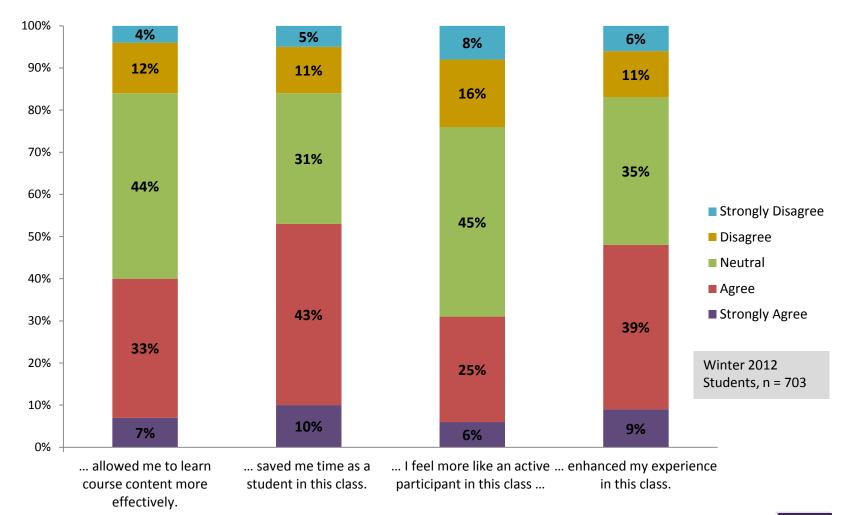


Satisfaction with Canvas





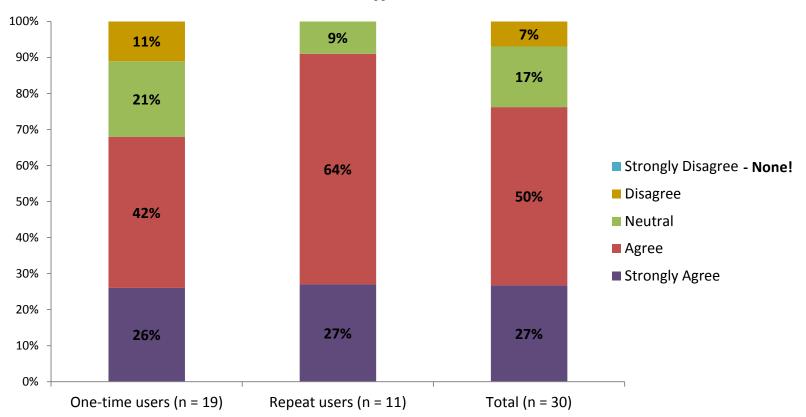
Impact on Student Experience



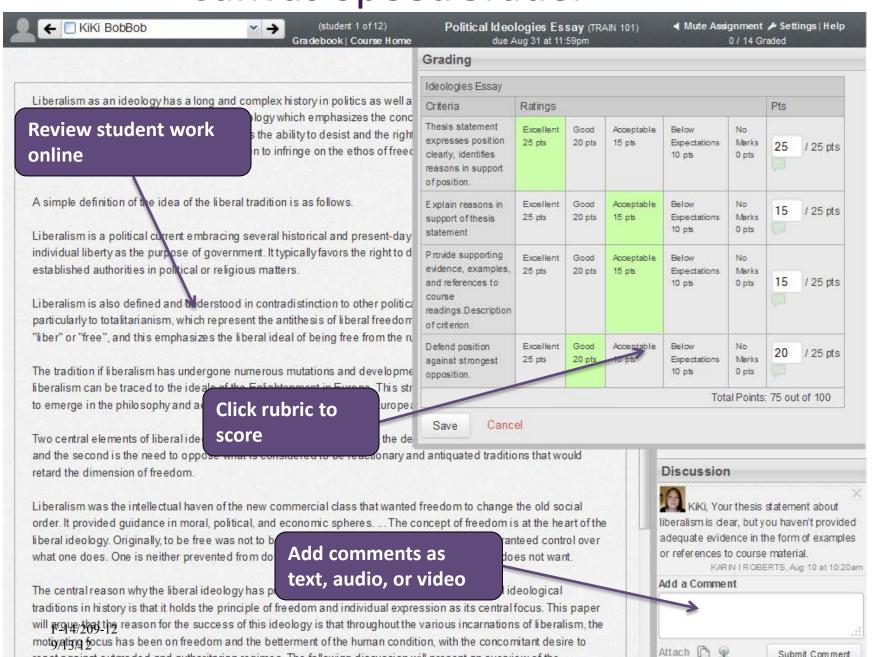


Impact on Faculty

"Using Canvas this quarter has made teaching my course more efficient."



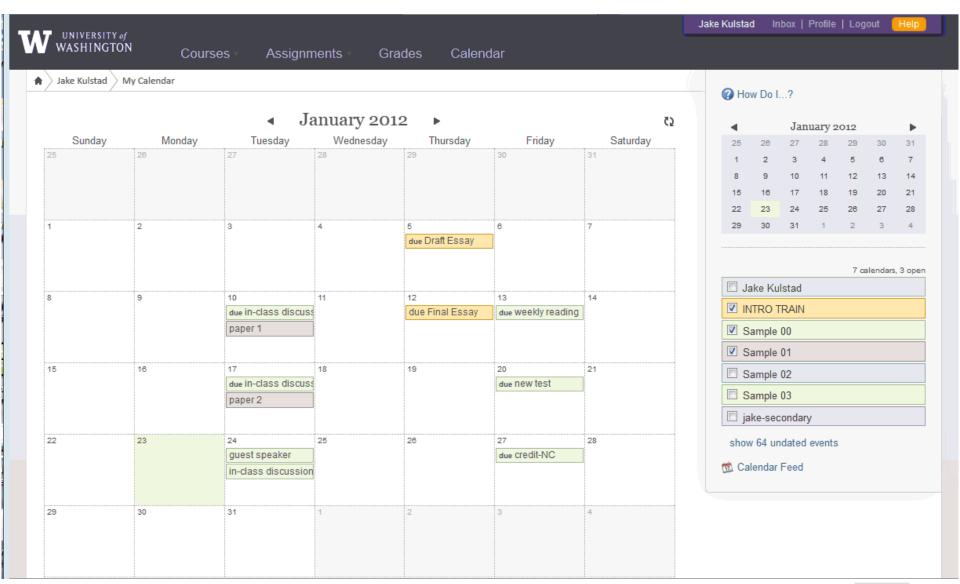
Canvas SpeedGrader



react against outmoded and authoritarian regimes. The following discussion will present an overview of the

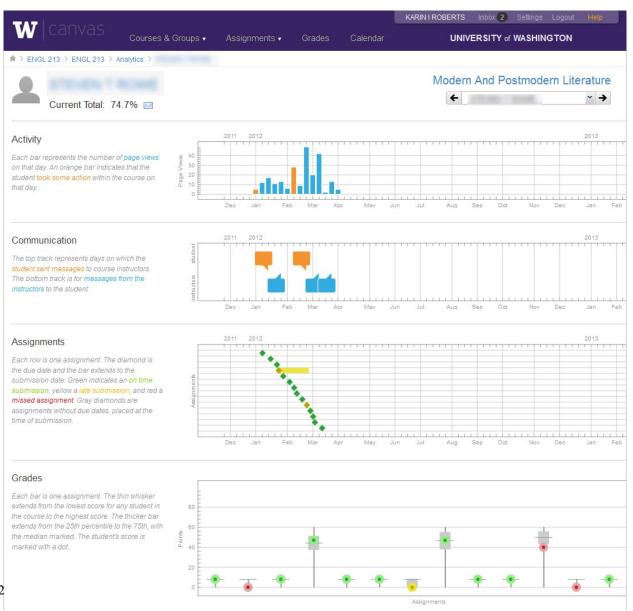


Canvas Calendar



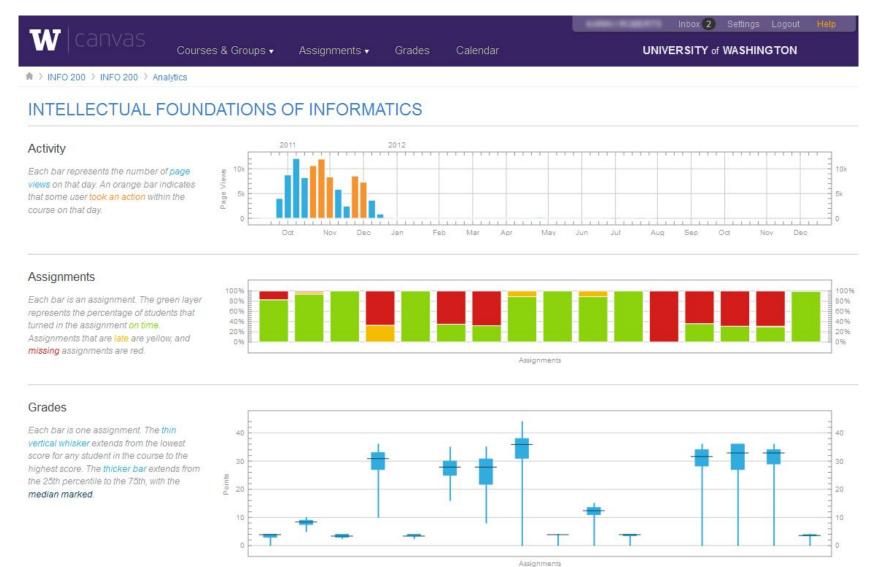


Instructor Dashboard for One Student



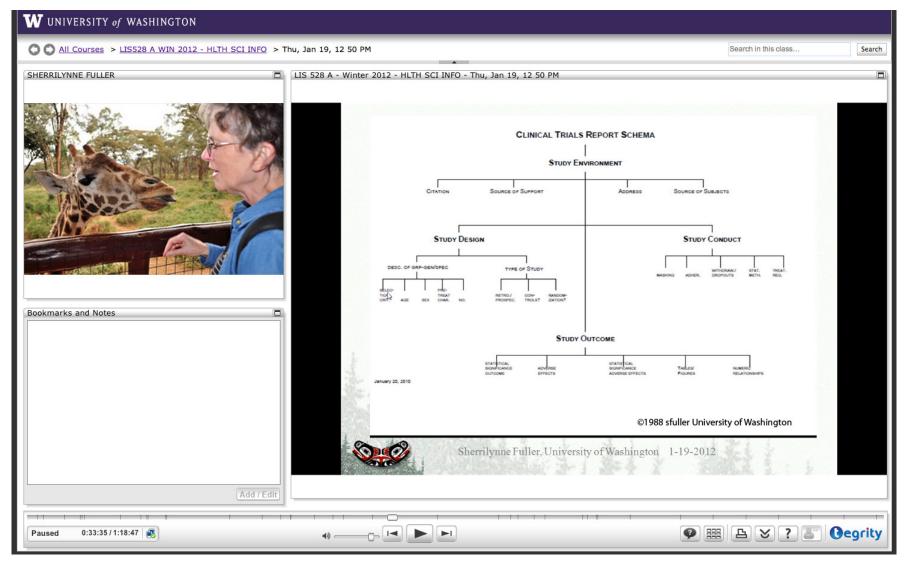


Instructor Dashboard for a Course



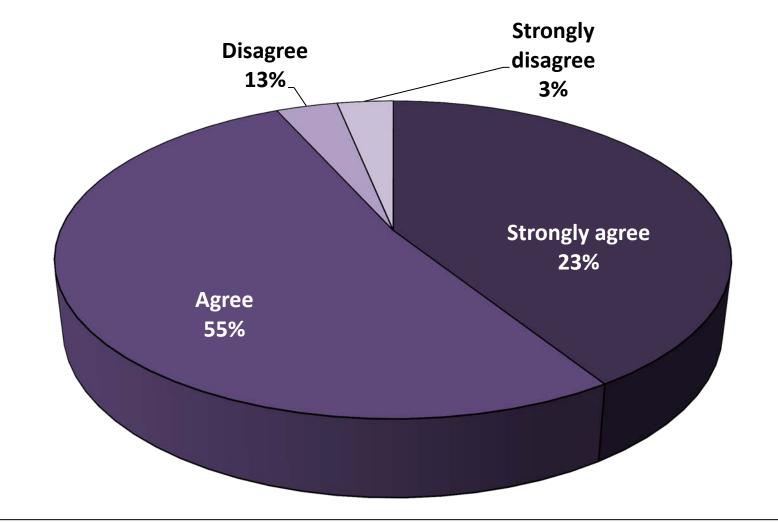


Tegrity – Lecture Capture



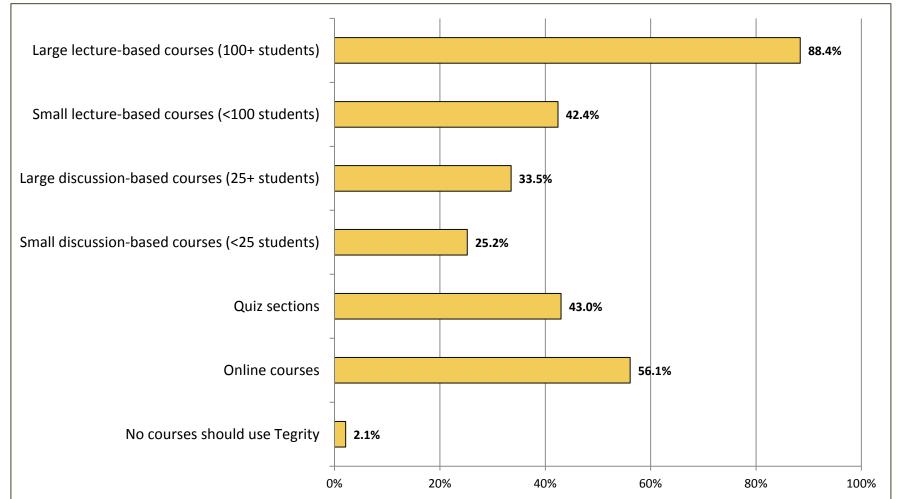


Winter 2012 Students: Reviewing the Tegrity Recordings Contributed to my Learning





Types of Courses That Should Use Tegrity (Student Responses)







F-14/209-12

9/13/12

UW eText Pilot

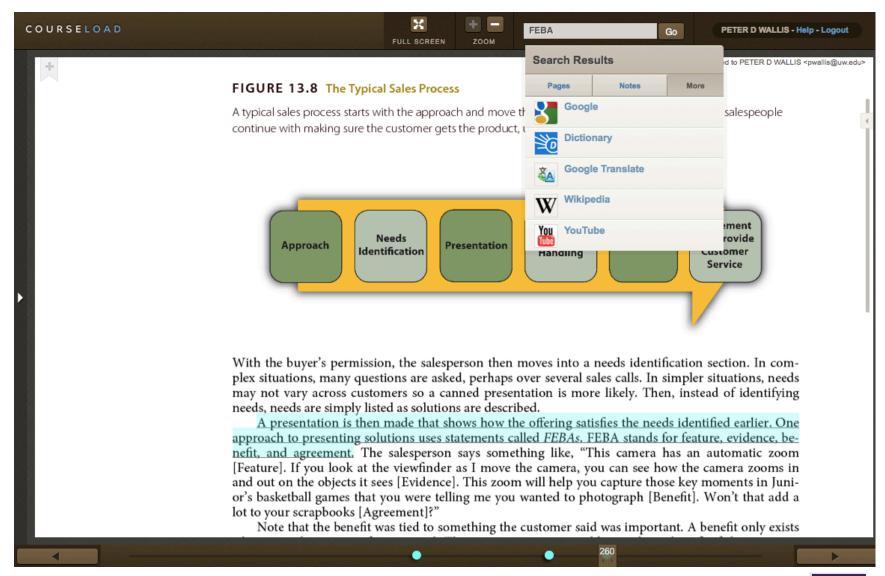






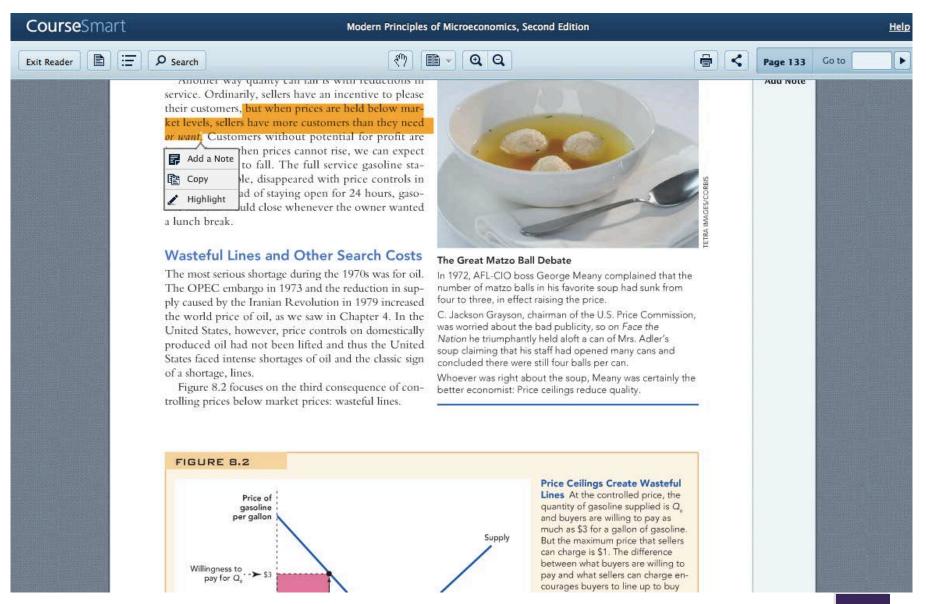


Courseload

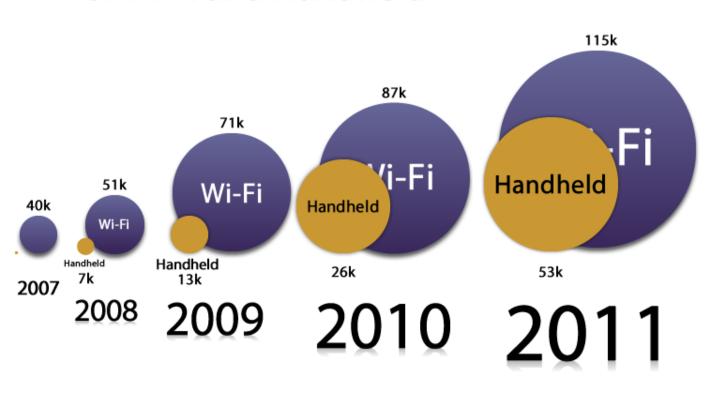




CourseSmart



Growth of Wi-Fi and Handheld







MyUW Mobile

m.uw.edu





SpaceScout









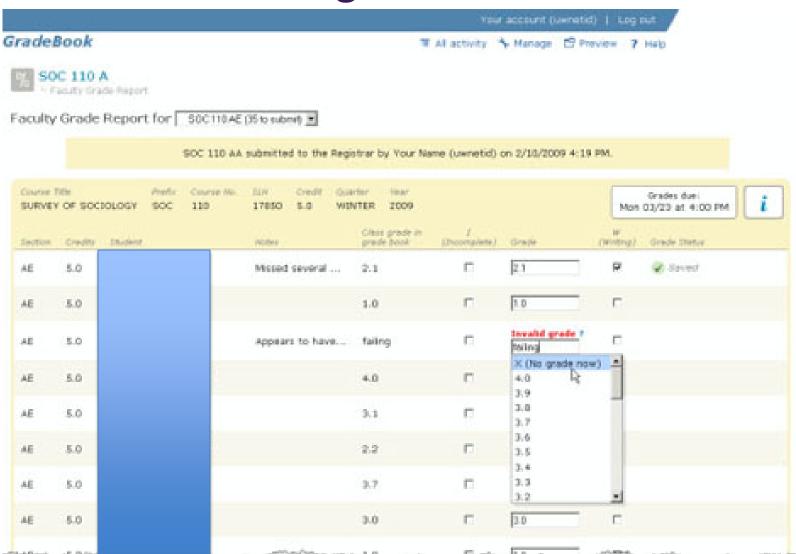


coursera COURSES JOBS ABOUT ▼ LOGIN Course Explorer Introduction to Computational Finance and Financial Sep 2nd 2012 **Econometrics** 10 long Eric Zivot W UNIVERSITY OF WASHINGTON Information Security and Risk Management in Context Sep 24th 2012 Barbara Endicott-Popovsky 10 weeks long W UNIVERSITY OF WASHINGTON Scientific Computing Sep 24th 2012 J. Nathan Kutz 10 weeks long W UNIVERSITY OF WASHINGTON **Programming Languages** January 2013 then ys else (hd xs)::append(tl xs,ys) Dan Grossman 10 weeks long se xs of [] => [] | x::xs' => (f x)::(map(f,xs')) val a = map (increment, [4,8,12,16]) val b = map (hd, [[8,6],[7,5],[3,0,9]]) W UNIVERSITY OF WASHINGTON Introduction to Computer Networks Jan 28th 2013 Arvind Krishnamurthy, David Wetherall, John Zahorjan 10 weeks long W UNIVERSITY OF WASHINGTON Computational Neuroscience April 2013 Rajesh Rao, Adrienne Fairhall 10 weeks long W UNIVERSITY OF WASHINGTON Introduction to Data Science April 2013 Bill Howe

10 weeks long

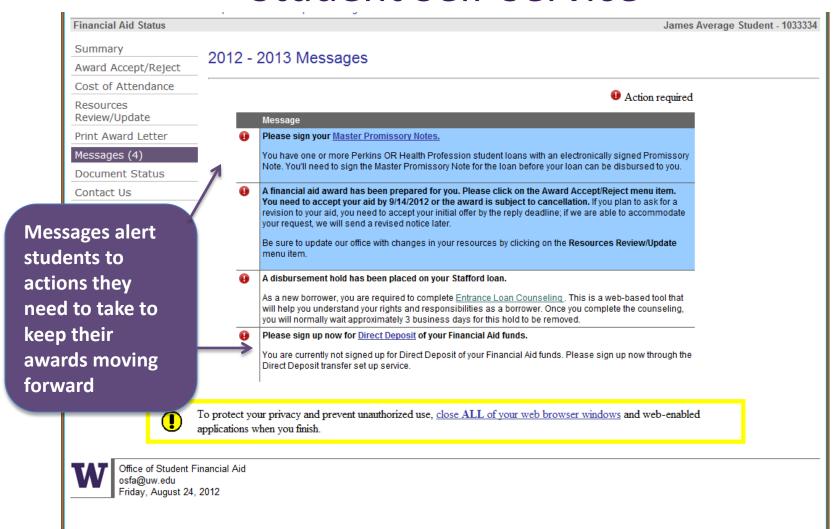


GradePage: Final Scores



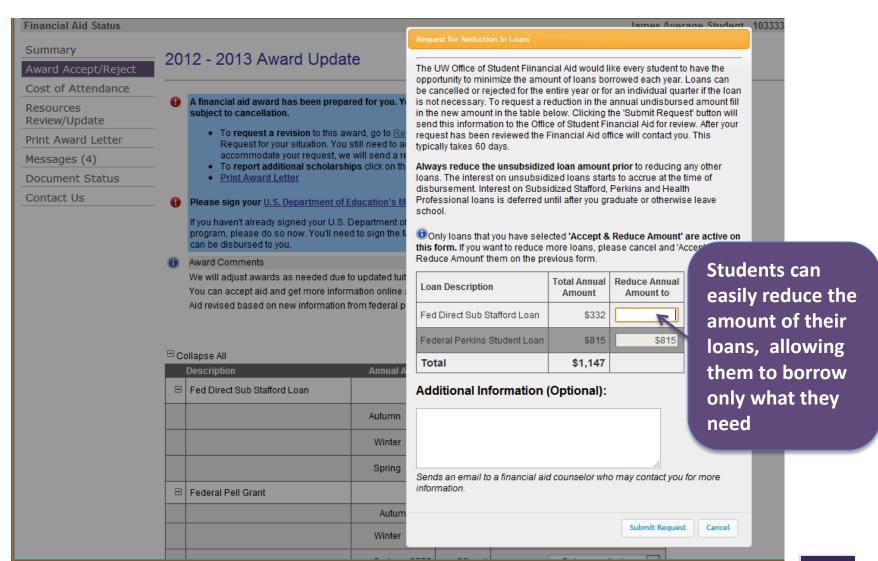


Financial Aid Messages Student Self-Service



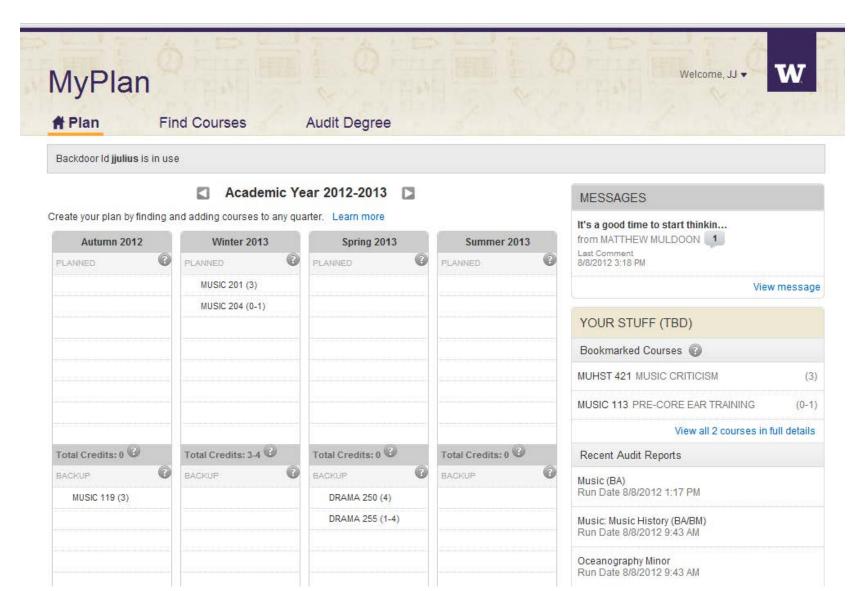


Award Acceptance & Reduction





Academic Plan View



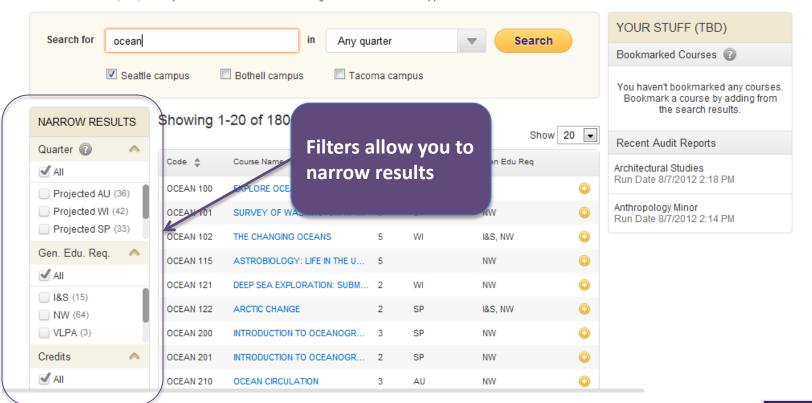


Find Courses



Find Courses

Enter a course code, title, or a keyword to search in Course Catalog and Time Schedule if applicable.





Course Availability Notification

Registration - Autumn 2012

Prepared for: Jj Julius

Prepared on: August 27, 2012 at 1:27 p.m.

Major: Computer Science & Software Engineering



Schedule not updated. Resolve errors listed below and resubmit.

Your current schedule:

Drop from schedule	SLN	Course	Туре	Credits	Grading Option	Title	Meetings			
							Days	Time	Location	Instructor
	21099	BIS 209 A	LC	5.0	• standard • S/NS	ENGAGING VISUAL ARTS	TTh	1100- 100	UWBB 230	HIEBERT, THEODOR FREDERICK
Total credits: 5.0				s: 5.0					Display Vis	ual Schedule Display Textbooks

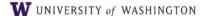
Add the following sections:

SLN	Add Code or Faculty Number	Credits (for variable-credit courses)	Check to select S/NS grading	Status
11507				This section is closed, and no alternate sections are open.
7 V				

Students unable to register because the course is full can opt-in to be notified when an opening becomes available



Course Availability Notification



UW Home > Student Guide

Schedule Finder - Autumn 2012

You requested the following courses:

Course		Section	Course Title	General Education and Basic Skills Requirements	
BIS	209		ENGAGING VISUAL ARTS	VLPA	
BIS	215		LIT INTO FILM	VLPA	

in courses that are closed can opt-in to be notified when an opening becomes available

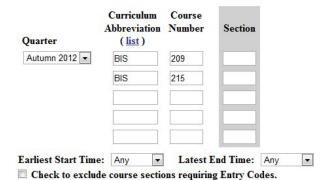
Students interested



The Schedule Finder found no open sections for BIS 215 for Autumn quarter.

New Selection:

- Select a quarter and enter the Curriculum Abbreviation and Course Number for each course you want in your schedule.
- To "lock in" a specific course section, also enter its Section ID (e.g., A, AA, BC). A 'locked in' section will be included in your schedule even if it is currently closed.



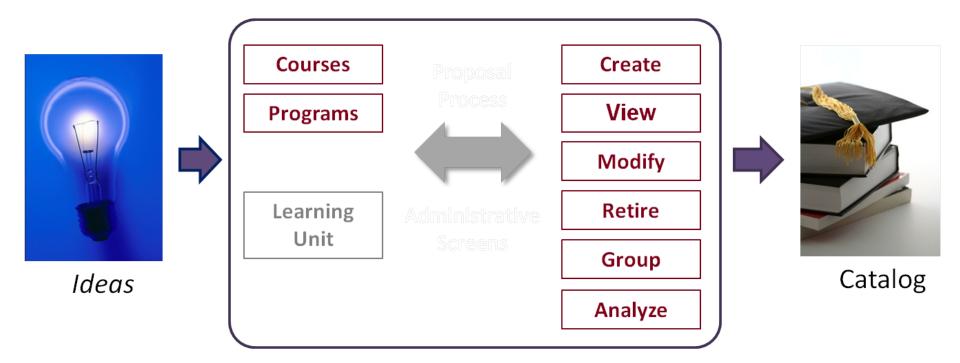
Find Schedules

W

Office of the Registrar registrar@u.washington.edu August 27, 2012



Kuali Student Curriculum Management





Curriculum Management Value Statement

STUDENTS



Structured data for academic planning

DEANS



Structured data for analytics and reporting

ADMINISTRATORS



Efficient, online review and approval process



Launch Page

Kuali Student

Select an area...

Home » Curriculum Management

Curriculum Management

My Actionlist | How do I ...?

Create...

Propose a new course or start a new program.

Create a Course

Create an Academic Program

Find...

Search for proposals, courses and programs to view, modify or retire.

Courses

Browse Course Catalog

Find a Course

Find a Course Proposal

Programs

Browse Academic Programs

Find Academic Programs

Find a Program Proposal

View Core Programs

View Credential Programs

Recently Viewed

View courses and programs that you have recently visited.

You have no recently viewed items.

Management Tools

Support tools for courses and programs.

Course Set Management

Learning Objective Categories

Dependency Analysis



Student Priorities

Better integrate all online information related to a single course in MyUW

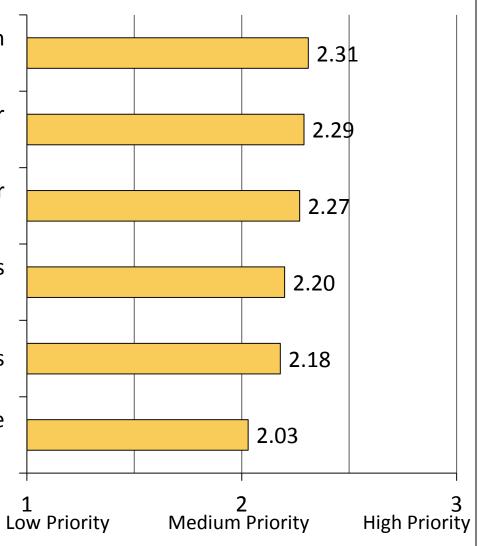
Make it possible to use my own computer to access software online for free

Make campus spaces more friendly for mobile devices and laptops

Improve wireless infrastructure across campus

Increase green IT efforts

Equip similar classrooms with same standard technologies







Questions?