# MANAGING ONLINE ACCESSIBILITY: A TALE OF TWO INSTITUTIONS

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# Agenda

Environment of Each Institution

Workflows of Each Design Team

Creative Solutions from Each Institution

# WKU ENVIRONMENT



#### WKU Statistics – Fall 2016

- Total WKU Enrollment: 20,000+
- 1700+ online & personalized learning courses offered annually
- 75+ online certificate and degree programs
- 6600+ students enrolled in online courses, 2400+ are exclusively online
- Instructional Designers & Technologists: 4
   Instructional Design Support Specialists: 4
   Student Workers: 14 (on average) and 2 GAs



### WKU Accessibility Policies and Guidelines

- Policies and Procedures for Employees and Students
  - Institutional Policies
    - Student Disability Accommodations/ Section 504 and ADA Compliance
    - Student Accessibility Resource Center Course Substitution Request Policy
  - Guidelines and Best Practices
    - Syllabus Statement
    - Reasonable Accommodations Guidelines
    - Online Reporting of ADA Issues
    - Guidelines for Personal Attendants and Service Animals
    - University-Wide Compliance Program
    - Web Accessibility for all WKU Websites
    - Online-Specific Documents
      - Implementation Plan for Accessibility in Online Learning
      - Annual DL Accessibility Report
      - Accessibility in Online Courses
      - Best Practices for Bb and DL Course Content
- DL Director on WKU ADA Compliance Committee
- Faculty are responsible for developing online course content.



# Relationship with Student Accessibility Resource Center (SARC)

- Online course accommodation workflow:
  - SARC notify faculty of SWD in all courses & recommended accommodations
  - DL provides assistance with accommodations for online courses



# UCF ENVIRONMENT



#### UCF Stats Fall 2016

Total Enrollment: 64,209

Sections offered: 7,066

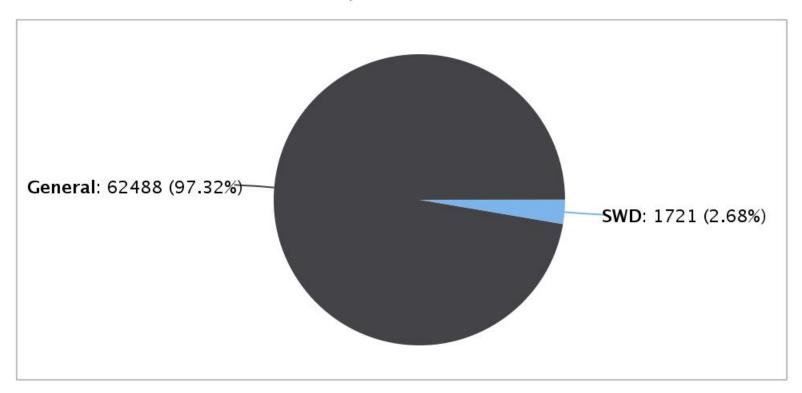
Faculty: 2054

 69.39% are taking at least one online course this semester



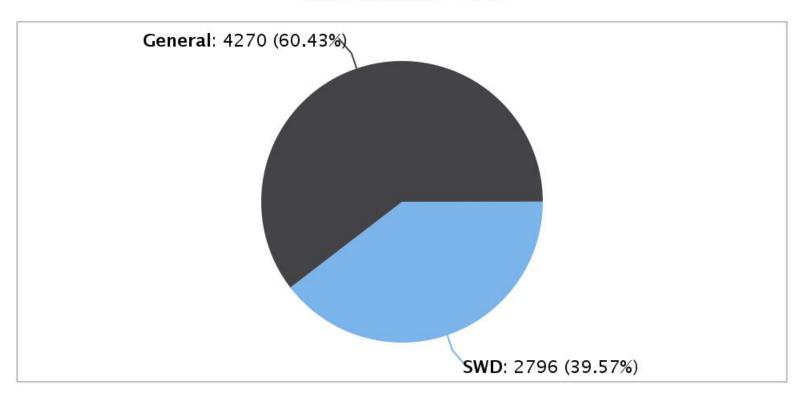
#### Headcount - Fall 2016

University Headcount: 64209



Sections - Fall 2016

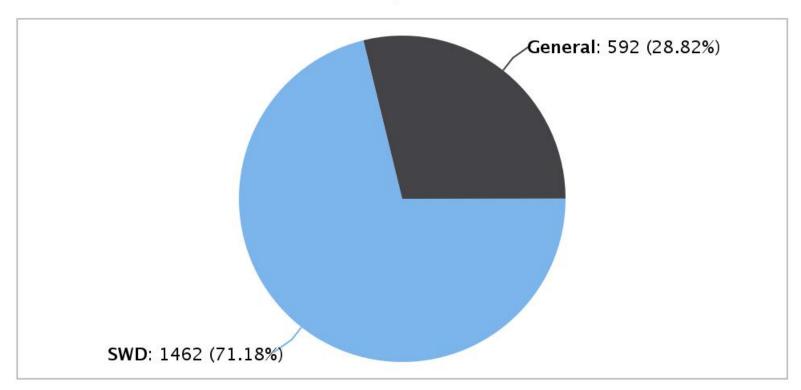
Course Sections: 7066





Faculty - Fall 2016

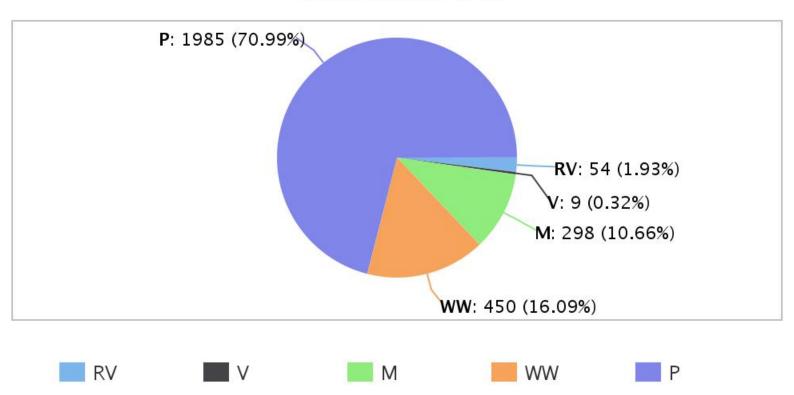
Faculty: 2054





#### Modality Breakdown - Fall 2016

Course Sections: 2796





# **UCF** Policy

- No institutional accessibility policy
  - Provost e-mail
  - Syllabus statement
- Professional development is mandatory to teach online.
- Faculty are responsible for developing online course content.

# Relationship with SAS

- Frequent status/planning meetings
- Joint professional development efforts
- Online course accommodation workflow:
  - SAS notify faculty of SWD in all courses
  - CDL provides assistance with D/HH and B/LV accommodations for online courses

# WKU WORK FLOW



## Implementation Plan



Implementation Plan for Accessibility of Online Learning
Western Kentucky University
September 2014

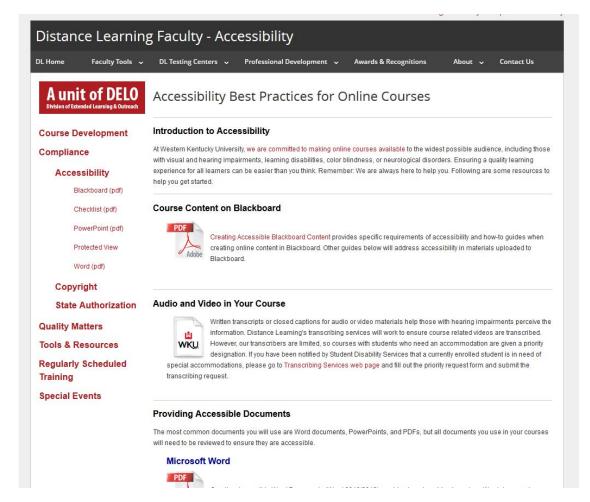
#### Introduction

Since accessibility of online learning is a process, assessment of the process is the most appropriate tool to evaluate the effectiveness of WKU's implementation of our policy on ADA/Section 508 accessibility.

Online learning runs a continuum from technology-assisted face-to-face instruction to 100% online instruction with no instructor-student face-to-face interaction – what we typically refer to as *distance learning*. In all cases of online learning, technology is critical to facilitating communication and interaction to promote teaching presence, social presence, and cognitive presence in learning.



#### Resources



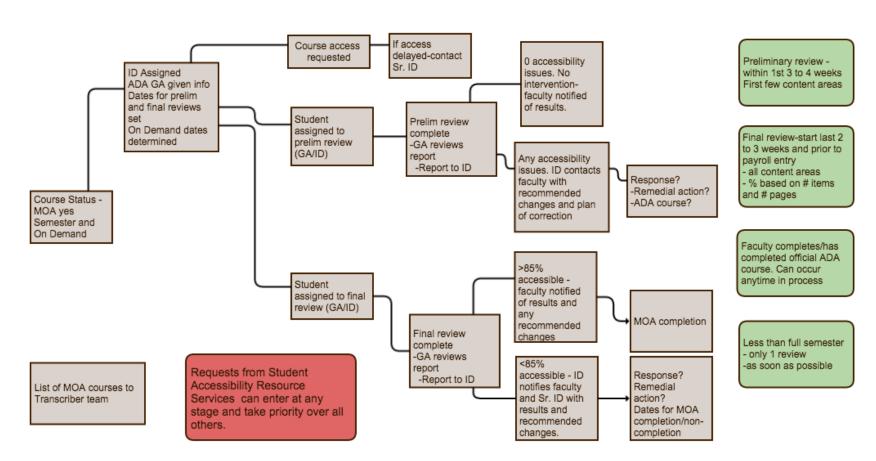


# Changing culture - \$\$\$

- 85% accessibility achieved prior to development/revision compensation
- Changed philosophy on development/revision compensation

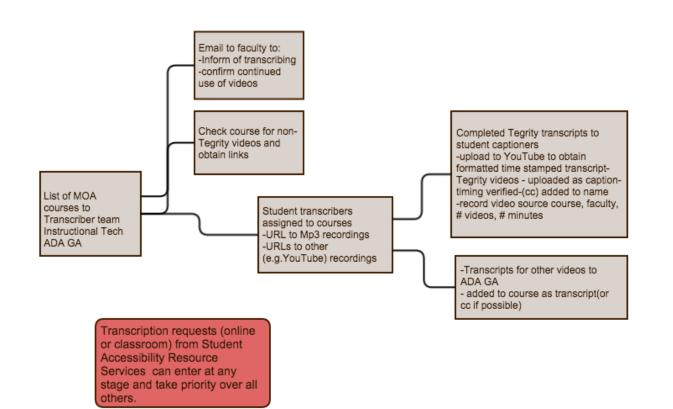


# Accessibility Workflow: Development





# Course Captioning and Transcribing



Transcription software/wave pedals New in-house system displays URLs in priority order -will soon allow transcribing to be done within the system -system will record source, transcriber ID, time data -notifications

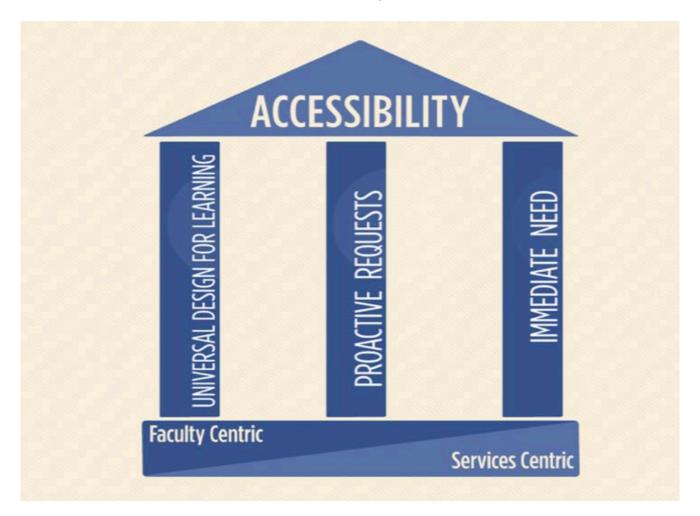
Transcribing / Captioning Hierarchy
-Courses with students who need
accommodation
-Courses undergoing QM review
-On Demand courses
-Semester courses with MOA
-all others and as requested



# **UCF WORK FLOW**



# Accessibility at UCF



#### Immediate Need

- For current courses with D/HH and B/LV students
- Faculty complete a questionnaire about course
- CDL staff conduct accessibility audit using UDOIT
- Various CDL teams work with faculty to address issues
  - For D/HH, SAS provides transcripts of videos
  - CDL creates captions

# WKU CREATIVE SOLUTION



#### Database for DL team activities & workflows

#### Welcome to Distance Learning!

Click on a tile below to navigate the site.

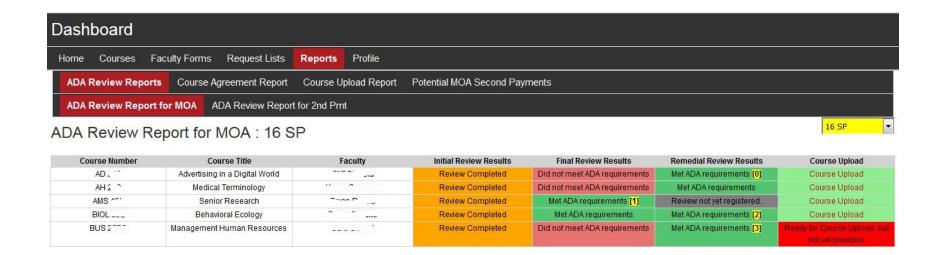






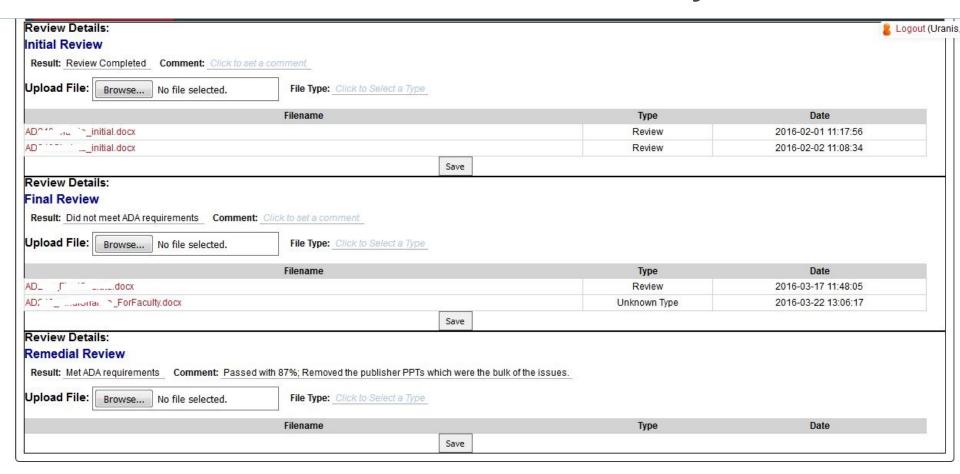


# 'Dashboard' for accessibility data





# Database to house accessibility data





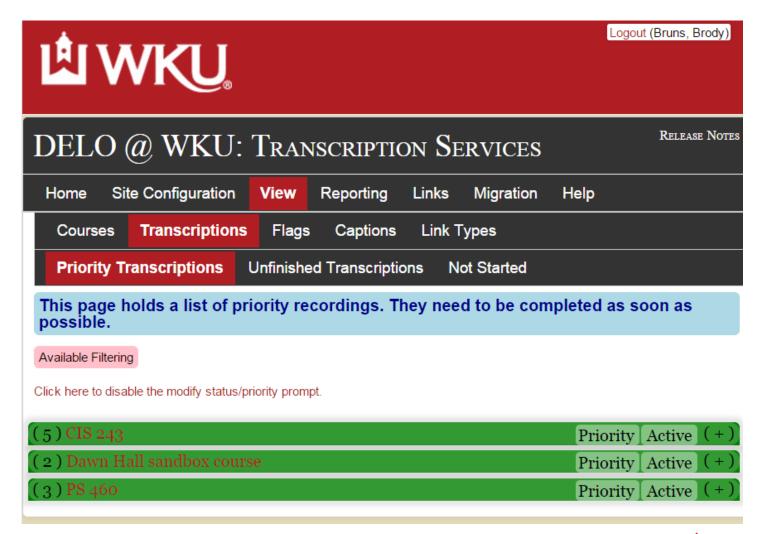
# Informing Faculty

- Learning Modules
  - Learning Module Week 1/25/16
    - Reimagining Advertising in a Digital World
      - How to create Measurable Marketing Plan: Use the PESO Model
        - Penso.png Provide detailed alt text description for the image so that someone relying on a screen reader can hear a detailed description of the image to learn what it "says" and why it's important to the course. Since this is an image, consider making a Word document that writes out the alt text description.
    - The Brand Spiral and the Branding Blueprint
      - The Branding Spiral
        - Branding spiral PDF 1/1
          - Provide detailed alt text description for the image.
             Since this is an image, consider making a Word document that writes out the alt text description.
  - Learning Module Week 2/1/16
    - Digital Branding
      - Build a Personal Brand: It's Your Only Option
        - Website URLs need to be descriptive text instead of the website/URL address.
    - Basics of Brand-You
      - Steps in personal branding
        - Website URLs need to be descriptive text instead of the website/URL address.



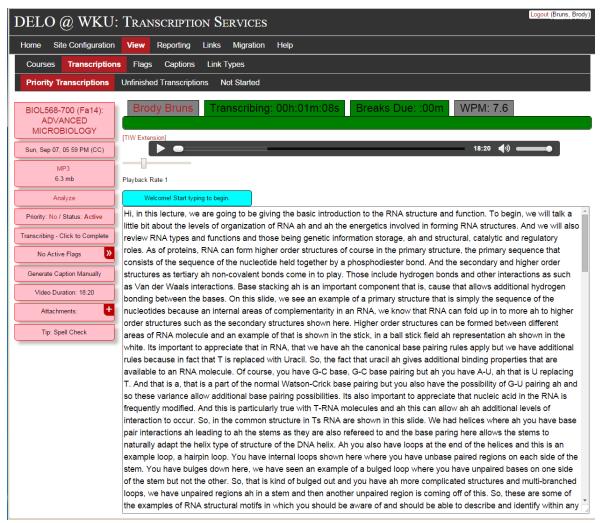


# Transcription Services – DL Staff



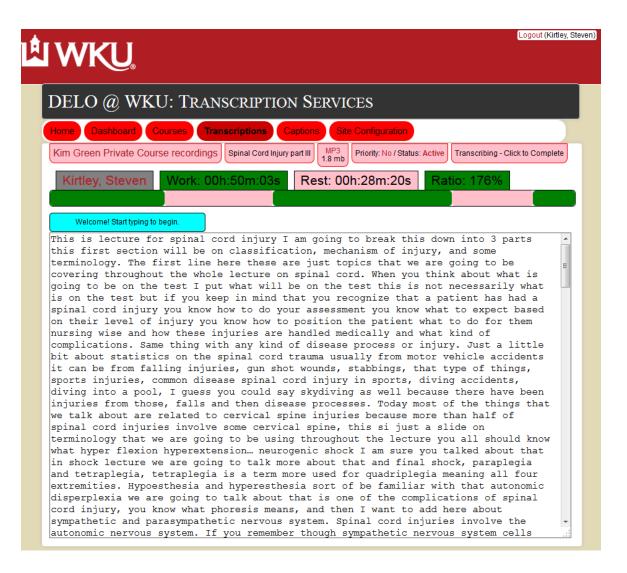


### **Transcription Database**



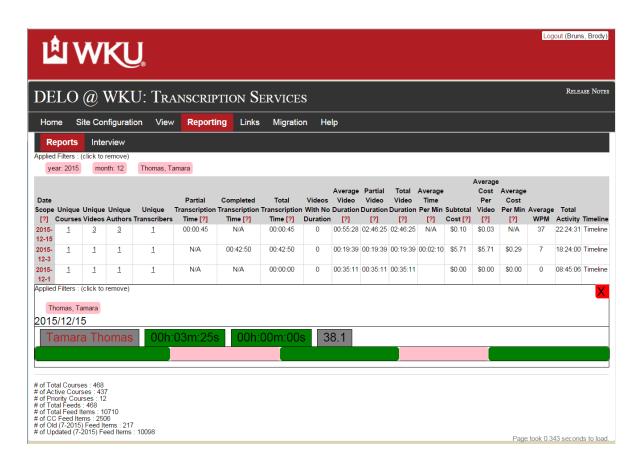


## Transcription Database – Active Transcription





# Transcription Database Reports



- Filtering
- Alternate Views
- Calculations
- Overview



#### Personnel

- Instructional Designers (3)
  - Blackboard content
  - Manage student reviewers
  - Direct faculty contact individual instruction, shares reports
- Instructional Technologist (1)
  - Video/audio content
  - Manages student transcribers and captioners
  - Develop transcribing software system
- ADA Graduate Assistants (2)
  - Tracking and data collection
  - Assists in reviews and transcription
- Student workers (12-14)
  - Review courses
  - Transcribe
  - Caption

# UCF CREATIVE SOLUTIONS

# Executive Information System (EIS)

- Add accessibility information to existing reporting system
- SAS provided access to data in Peoplesoft (SIS)
- Paired enrollment, faculty records, student disability/accommodation information
- Ability to generate charts/graphs and track over time
- Efficient and secure transfer of sensitive information



# Optical Character Recognition(OCR)

- Fall 2015: Slammed with image based PDF
- Spring 2016 Pilot of ABBYY Recognition Server
- Under consideration for purchase
- Goal is to create a semi autonomous OCR workflow:
  - Scan LMS courses of SWD
  - Find PDF(s)
  - Send to ABBYY
  - Manually QA PDF from ABBYY
  - Replace in LMS



# Captioning

- Contracted with 3Play media to caption existing online course videos hosted on Vimeo. Paid by DL fee.
- Used Vimeo API to check for captions, calculate length of video, download, and upload caption track
- Bulk upload to 3play via FTP
- Download text transcripts, captions in .SRT and .VTT
- Upload captions to Vimeo via API.



#### **Quiz Extensions**

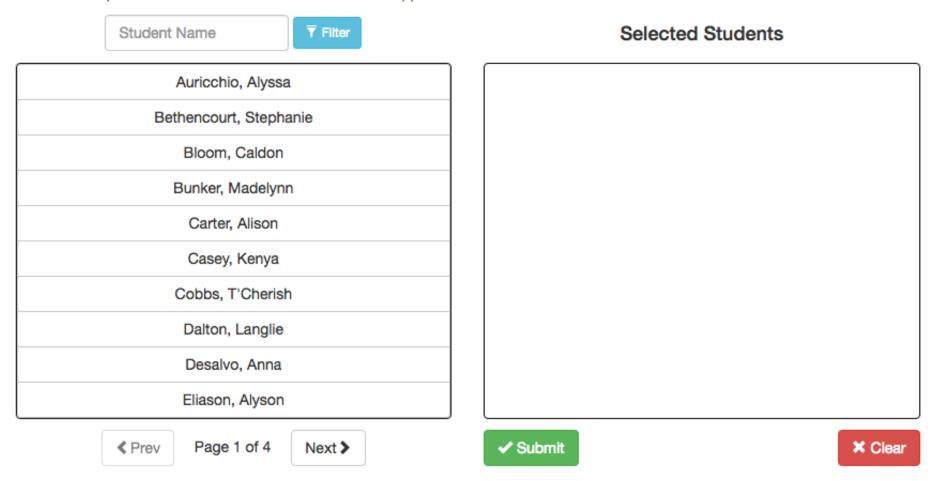
- One stop shop to add more time to all existing quizzes/tests
- Custom LTI developed for Canvas
- Pilot Spring 2016, launched Summer 2016
- Overwhelming positive faculty response
- Licensing available (free to public institutions): f@ucf.edu



#### **Quiz Extensions**

This tool will apply extra time to **all existing** quizzes/exams. For example, Suzy Johnson and Stephen Smith need double time. Select the students below and choose the appropriate amount of extra time e.g., double (2x).

If additional quizzes/exams are added after, please repeat the process. This will replace any individual existing time extensions. Additional help can be found at the Webcourses@UCF Support website.



# Able Player

- Issue: providing captions for 3<sup>rd</sup> party YouTube videos
- Solution: adapted open source video player player to work inside of LMS (Canvas)
- Manual process with code. Work on LTI.
- Caption file hosted on central server and linked to video.
- Able Player: https://github.com/ableplayer/ableplayer





Syllabus

**Announcements** 

**Discussions** 

Modules

People

Conferences

**UCF Library Tools** 

Success Resources

**ProctorHub** 

**UDOIT** 

**Quiz Extensions** 

Grades

Collaborations

Pages

Files

Outcomes

Quizzes

Assignments

Settings

#### able





(3)

Dashboard



Courses





Calendar



Inbox



Commons



#### **UDOIT**

- Scans a course and generates a report of accessibility issues
- UFIXIT: provides an ease way for faculty to correct common accessibility errors
- Released open-source May 2015
- Only works for Instructure Canvas
- http://online.ucf.edu/udoit



#### Resources

- WKU
  - Accessibility Tips
  - Transcription Service Request Page
  - ADA Checklist

- UCF
  - Creating Accessible Course Content
  - OLC Journal Article

#### **Contact Information**

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Presentation available at update