

# UDOIT - Instructure Canvas Course Accessibility Checker

Nancy Swenson

Accessing Higher Ground 2015



Center for Distributed Learning

# Presentation Overview

---

- What is **UDOIT**?
- History
- Goals
- Demo
- How you can install **UDOIT**
- Support of **UDOIT**

# What is UDOIT?

- Universal Design Online content Inspection Tool  
(The 'c' is silent)



# What Does It Do?

- Faculty Centric Tool
  - Allows faculty to scan their own course
  - Identifies accessibility issues
  - Ability to fix issues
  - Educational
  - Proactive

# Why Create UDOIT?

- 2014-2015 Calendar Year
  - Student enrollment nearly 63,000
  - 38% of total university Student Credit Hours online
  - 78% of all students took at least one online course
    - 80% of all undergraduates (47,116)
    - 61% of all graduate students (6,469)

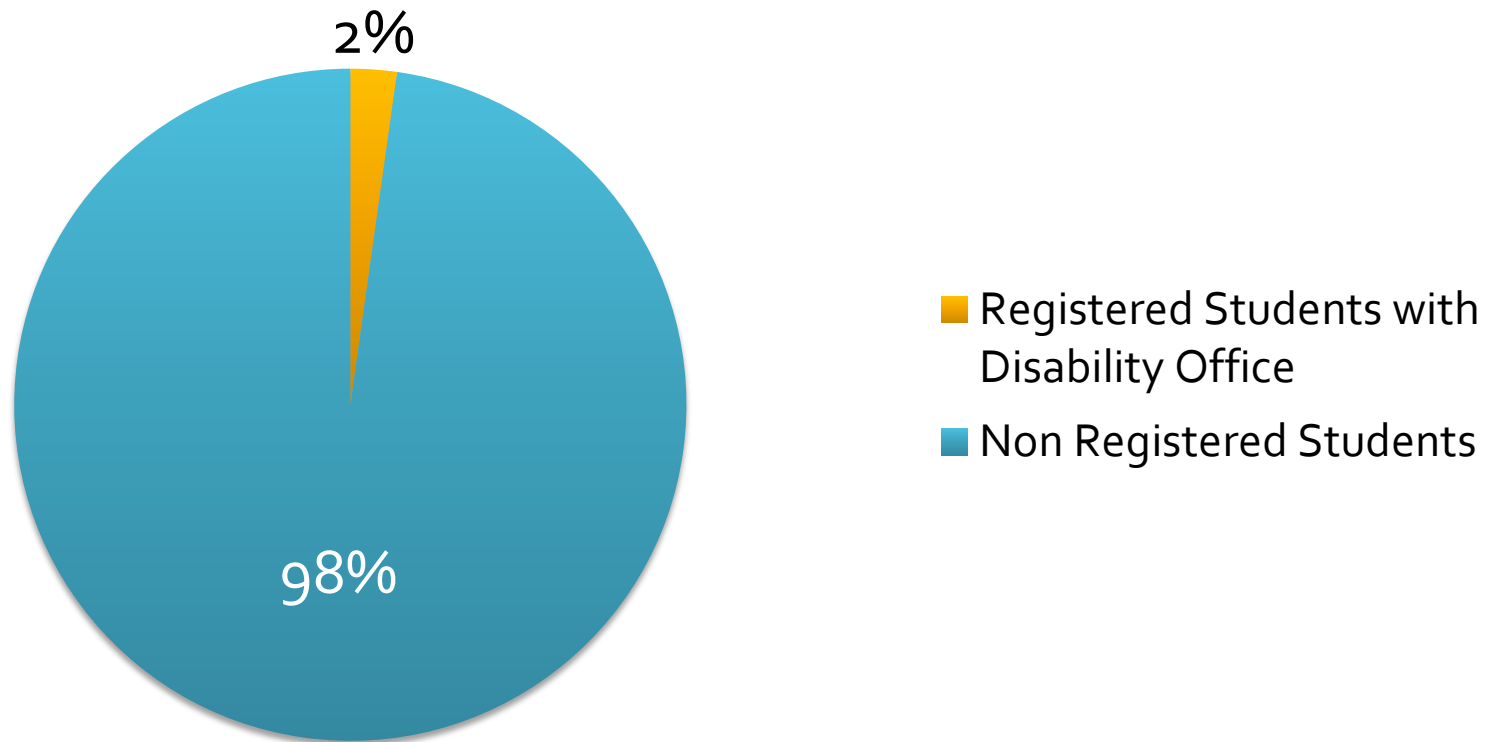
# Why Create UDOIT?

- Partnership
  - CDL and Student Accessibility Services
- Accessibility of Online Courses
  - Immediate need
  - Reactive
- Ongoing
  - Professional Development
  - Accessibility and Universal Design for Learning
  - Create accessible content from the start



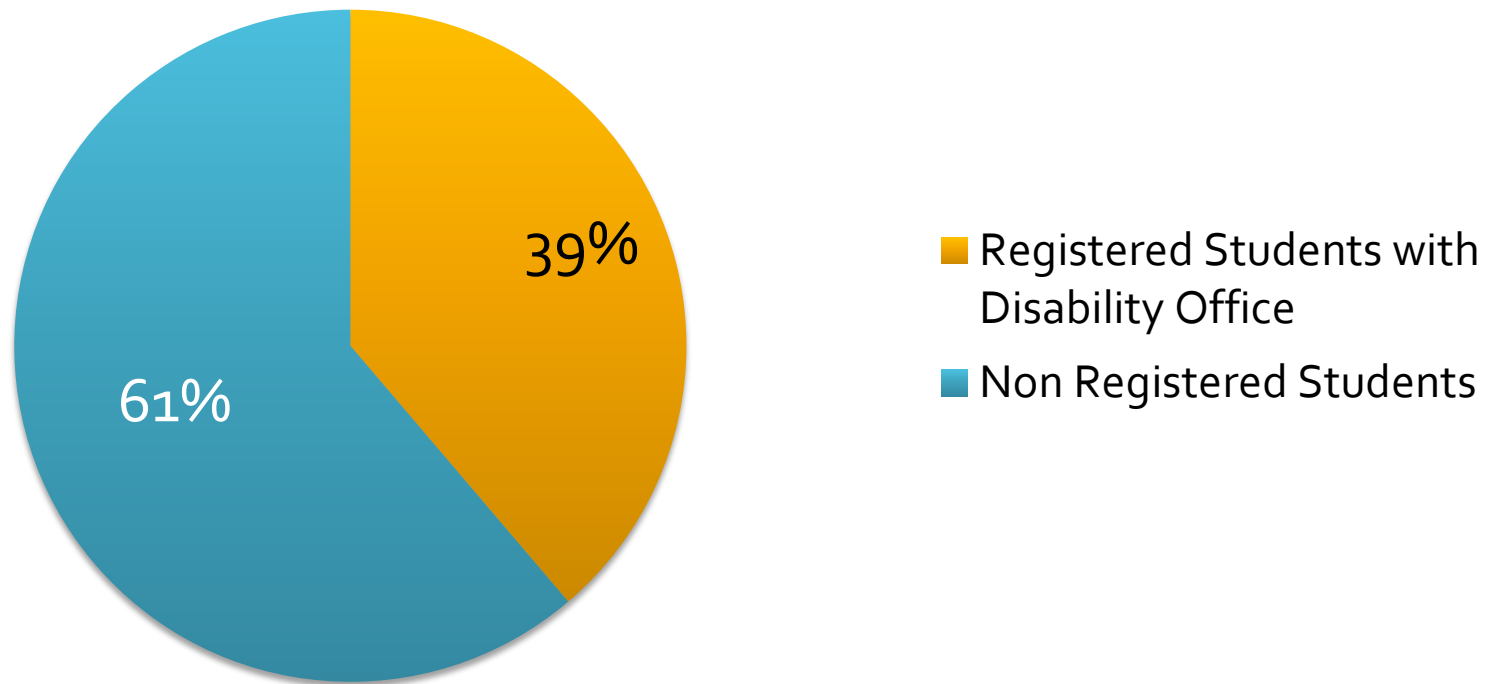
# Fall 2015

**University Headcount: 62,906**



# Fall 2015

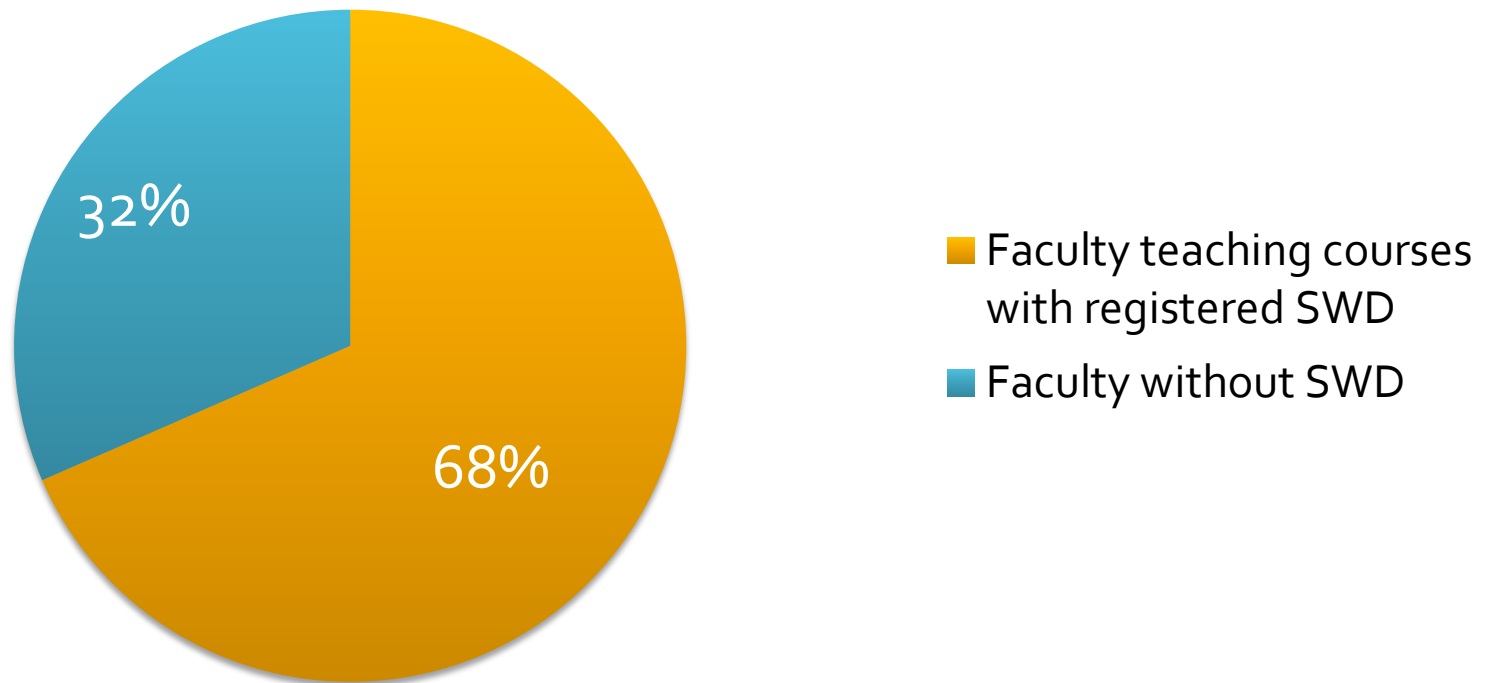
## Course Sections: 6,990





# Fall 2015

**Faculty: 1,978**



# Existing Tool

- We already had an internal tool to scan courses
  - Similar to Webaim [WAVE tool](#)
  - Clunky
  - Confusing output
- Canvas Grant

# Goals

---

- Develop product
  - Faculty facing
  - Self-service
  - Easy to use
  - Actionable results
  - Educate faculty

# Timeline

- Grant Awarded in late 2013
- Development began Spring 2014
- Internal testing Fall 2014
- Small Pilot Spring 2015
- Released to UCF faculty: May 7<sup>th</sup>, 2015
- Released to public: June 2015

# What does UDOIT do?

- Scans HTML Content (Rich Content Editor)
  - Scans course and generates report
  - Allows faculty to fix most on the spot
  - Educates faculty – links to authoritative resources
- Canvas Only
- Open Source - GPLv3 License
- Created in PHP

# What areas will it check?

- **UDOIT** will identify “errors” and provide “suggestions” in the following areas of a course:
  - Announcements
  - Assignments
  - Discussions
  - Files (i.e., .html files)
  - Pages
  - Syllabus

# What does it check?

---

- Headings in page structure
- Alternative text for images
- Table headers
- Color contrast
- Descriptive link text
- Video captions

# Demo



Center for Distributed Learning



# Planned Features

- Updated color picker
- More “UFIXIT”
- Reporting statistics
- Heroku

# Get UDOIT!

- [UDOIT Informational page](#)
- Source code on [Github](#):
  - GPLv3 license
  - System Administration will have to install and configure
- UCF Contact: Jacob Bates
  - Email: [Jacob.bates@ucf.edu](mailto:Jacob.bates@ucf.edu)

# Support

- Community Effort
  - Developers and administrators will use [GitHub](#)
  - Instructors will use proposed [UDOIT Canvas Group](#)  
**(Please vote for UDOIT Group)**
    - Share experiences
    - Report bugs
    - Request features

# Resources

- [DO-IT](#)
  - [Universal Design in Education: Principles and Practices](#)
  - [Checklist for Inclusive Teaching](#)
  - [The Center for Universal Design in Education](#)
- [CAST](#)
  - [UDL Wheel](#)
  - [UDL Guidelines Version 2.0](#)
- [WebAim](#)
- [CANnect](#)
  - [Seven Principles of Universal Design](#)
- [EnACT UDL Syllabus Rubric](#)
- [IT Accessibility Policies in Higher Education](#)
- [UDL: A Systematic Approach to Supporting Diverse Learners](#)

# UCF Resources

---

- [UDOIT](#)
- [UCF Provost Letter](#)
- [Accessible Content Formatting Guidelines](#)
- [Faculty Seminars in Online Teaching](#)
- [Faculty Multimedia Workshop Series](#)
- [CDL's Professional Development Offerings](#)

# Thank you!

---

Nancy Swenson

[Nancy.swenson@ucf.edu](mailto:Nancy.swenson@ucf.edu)

For Technical Questions:

[Jacob.bates@ucf.edu](mailto:Jacob.bates@ucf.edu)



Center for Distributed Learning