

Universal Design for Learning in Online and Blended Environments

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Goals for this Segment

- Share one model of organizational innovation.
- Provide some specific tools to facilitate the campus conversation about universal design in blended and online learning.
- Provide some methods to assess your campus' readiness for innovation.

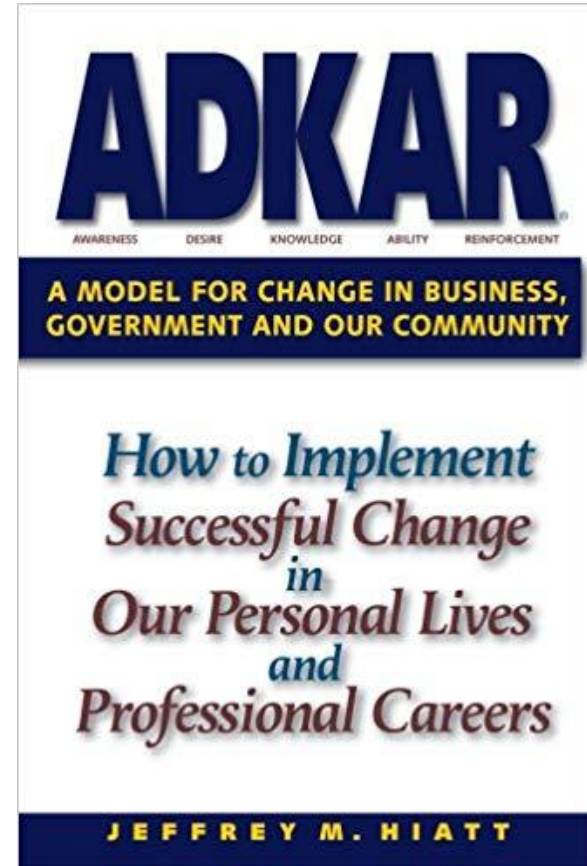
APM 206 Policies and Procedures

- Previous Iteration of Policy
- Interim Policy Established
- New Policy Approved by the President in April 2018

**Get to the
WHY.**

Some Concepts

- Universal Design for Learning
- Online and Blended Learning
- Quality of Online Learning and Teaching
- Communication Plan Across Campus



The Five Building Blocks for Successful Change



A

Awareness of the need for change

D

Desire to support the change

K

Knowledge of how to change

A

Ability to demonstrate new skills and behaviors

R

Reinforcement to make the change stick

Awareness - Where Were We?

Fall Term 2017

- 2,706 Classes
- 113,342 Files

Spring Term 2018

- 2,540 Classes
- 109,345 Files

Summer Term 2018

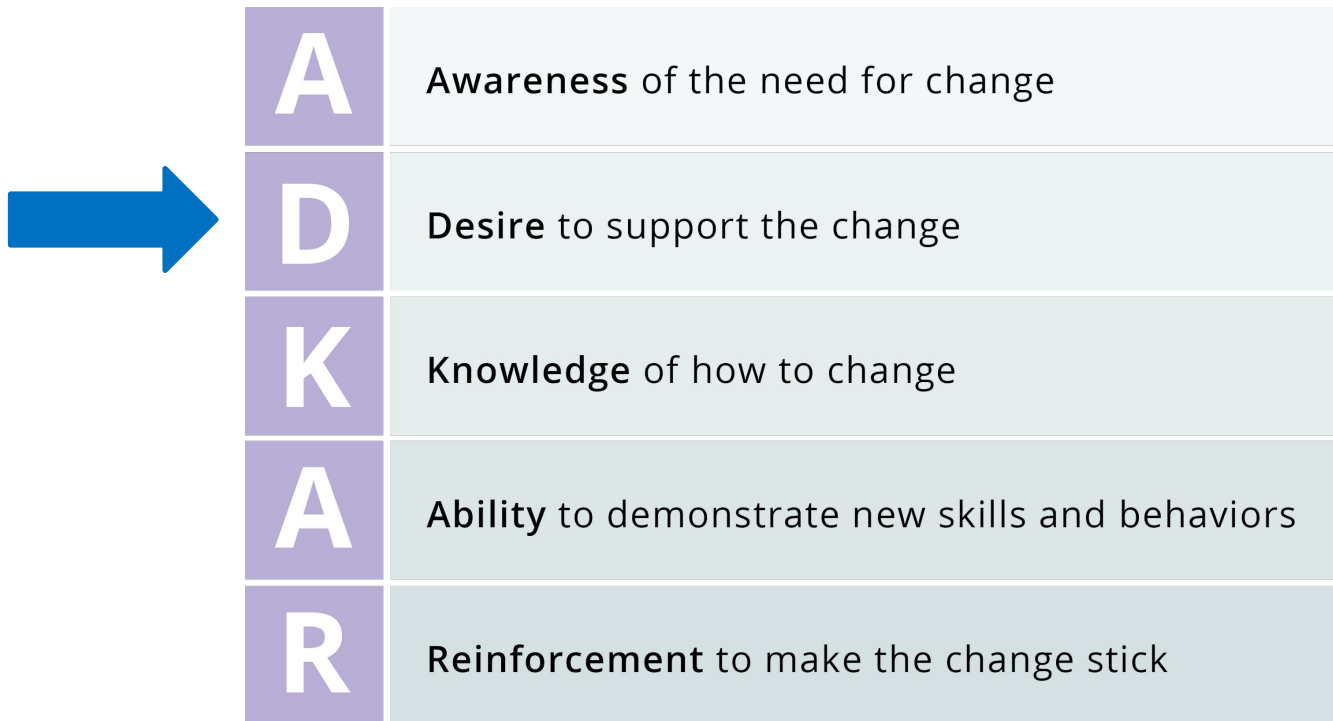
- 192 Classes
- 7,551 Files



What are faculty saying?

“I never had any feedback regarding the content accessibility issues from my students so far, and therefore, I can't say if 'accessibility' is a very important issue for our students.”

The Five Building Blocks for Successful Change



What are faculty saying?

“All of my students benefit from close-captioning and well organized documents. I have had traditional students in traditional classes tell me so, as well. The lessons themselves should be challenging. Reading them should not be.”

The Five Building Blocks for Successful Change



A	Awareness of the need for change
D	Desire to support the change
K	Knowledge of how to change
A	Ability to demonstrate new skills and behaviors
R	Reinforcement to make the change stick

What are faculty saying?

“While I understand that some students need accommodations for disabilities, I am concerned that other students who listen to a text rather than reading it are not benefiting from the practice of reading.”

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What did we do?






- Accessibility Checkers
- Empower Teachers
- Empower Students
- Blackboard Ally




“Universal design for learning - people learn in different ways and it is the instructor's responsibility to ensure students are able to access the given course content in multiple formats.” -- Fresno State Faculty


UDL - Universal Design for Learning

Download alternative formats ×


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Provide multiple means of Engagement →
Affective Networks
The "WHY" of learning



Provide multiple means of Representation →
Recognition Networks
The "WHAT" of learning

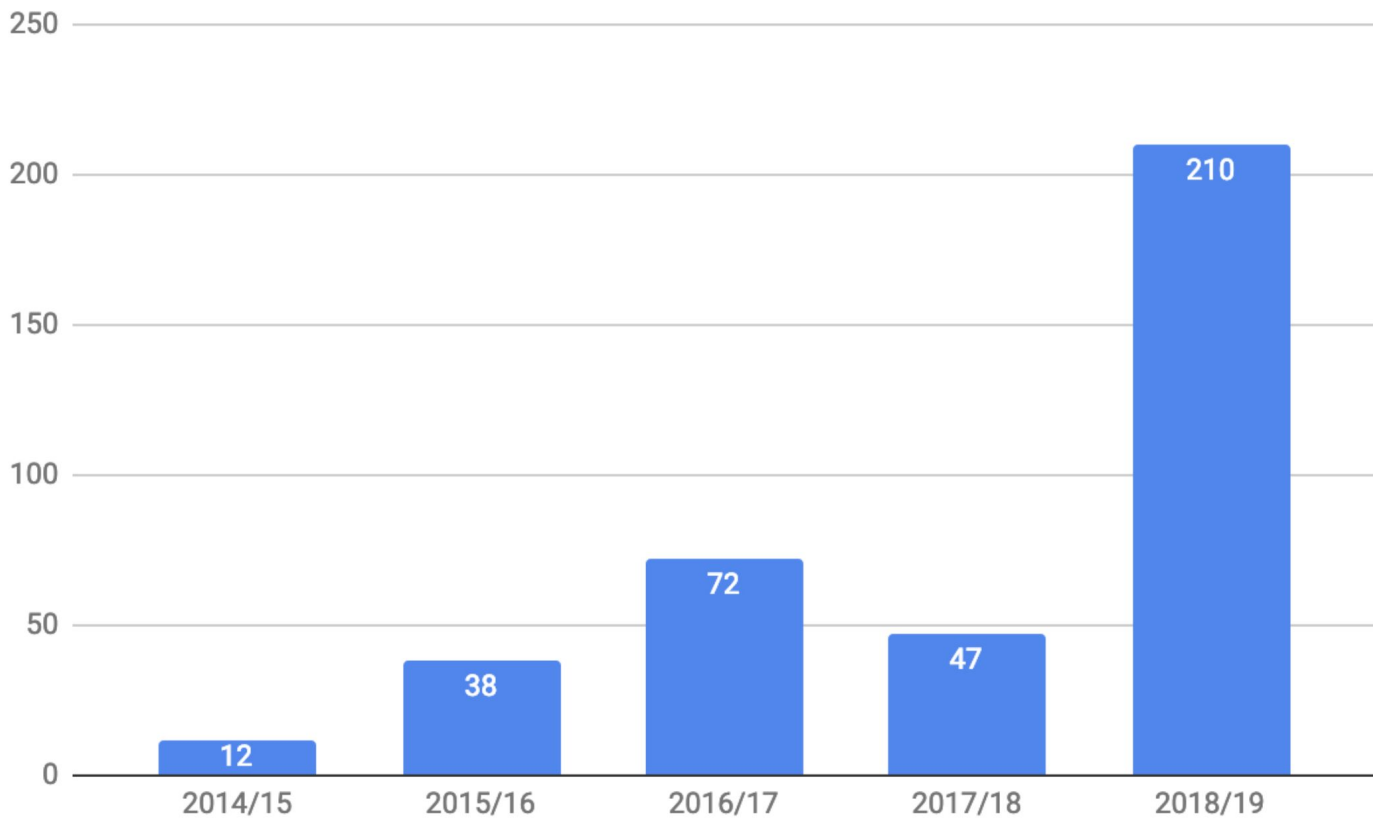


Provide multiple means of Action & Expression →
Strategic Networks
The "HOW" of learning

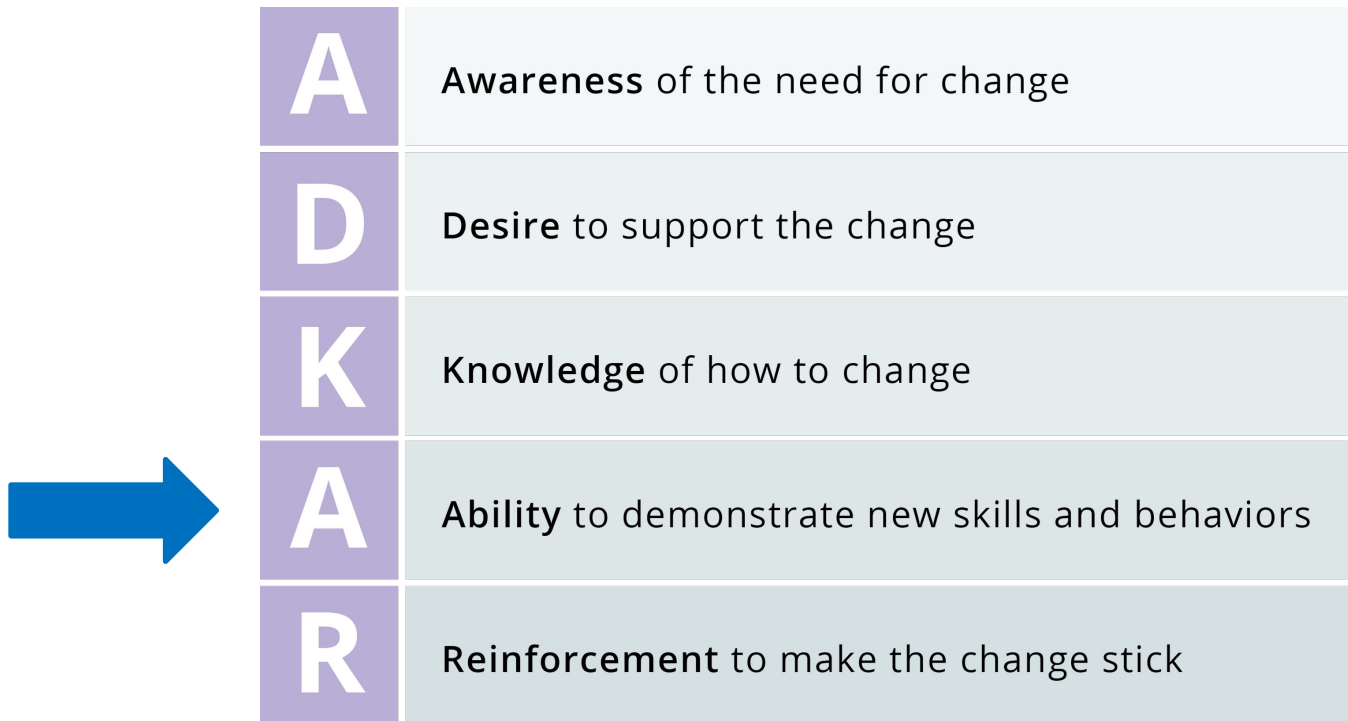


<http://udlguidelines.cast.org/>

Faculty Quality Assurance Training



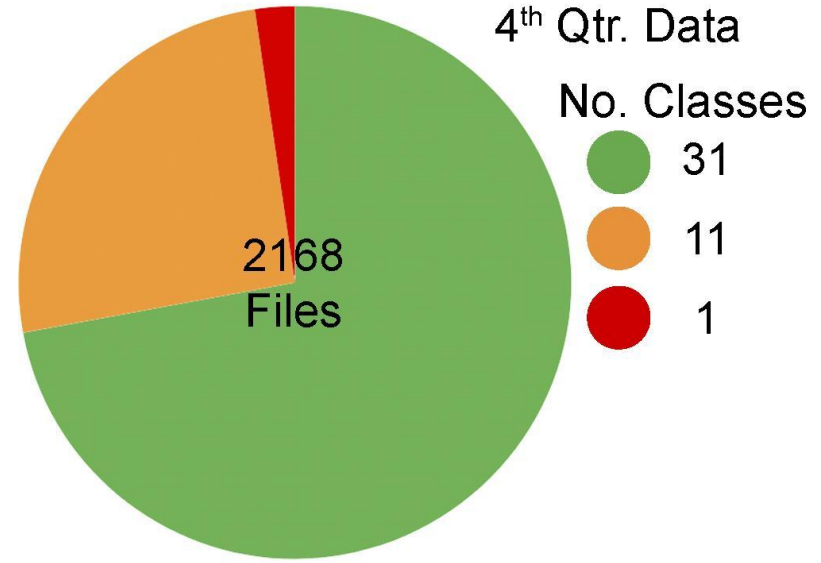
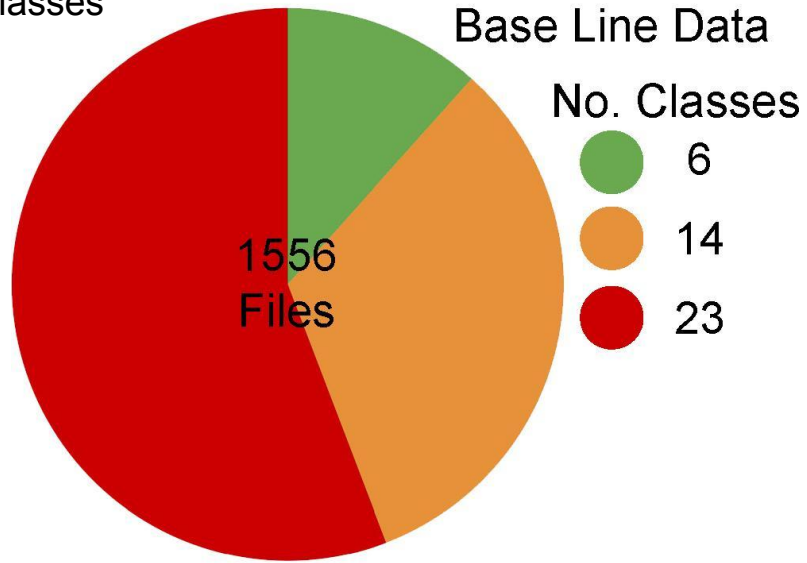
The Five Building Blocks for Successful Change



- Fall 2017 Pilot - 17 classes / 100 hours
 - 14 - modified to 82% or better
 - 3 - modified to 65%, 62%, and 33%
- Spring 2018 Pilot Group - 41 Faculty
 - Letter went out for 43 classes
 - 11 classes chosen by CFE, 32 chosen by SSD
 - Average accessibility from 38% to 77%
 - Seven of eight colleges/schools participated
- Summer 2018 Term - 38 Faculty
 - 67 classes
 - Increased Average Accessibility from 50% to 70%

Dynamic System

Spring 2018 Pilot
43 Classes



- Red 0 - 33 percent accessibility
- Orange 34 - 66 percent accessibility
- Green 67 - 100 percent accessibility

What are Inclusive Materials?



Mapquest: Make the most of Summer Travel

The days are longer, but you're still not able to find time to plan those much-needed getaways. Let MapQuest inspire you to start planning; take the kids to one of the country's national parks, enjoy a favorite pastime or visit a top warm-weather destination with friends. Don't let the summer get away without you!

Parks

National parks, one of the top searches on MapQuest, make for memorable weekend day trips or lengthier overnight stays. Visit one of the nation's 58 parks as your final destination or a via-point on your road-trip itinerary.

58 U.S. national Parks to discover on parks.mapquest.com

Top searched national parks on MapQuest
Grand Canyon

Learning Outcomes

The Accessible Music Notation Project

Music Notation for the Visually Impaired

[Home](#) [Working Documents](#) [Articles](#) [Resources](#) [Blog](#)

We are an informally organized group of musicians, educators, and software developers interested in making music notation more accessible to blind and visually impaired musicians. Our goal is to provide information about existing tools and develop new ones as necessary that will make it as easy as possible to:

- enable all users to create Braille scores
- enable blind users to read scores [electronically](#)
- enable blind musicians to create scores in standard notation
- enable all authors to create music textbooks and other educational materials in an accessible form
- enable all educators to create worksheets, homework assignments, tests, and so forth in an accessible form
- enable blind or sighted students to complete worksheets et al electronically
- enable blind or sighted educators to read and grade worksheets et al completed by blind or sighted students

A number of excellent products exist to at least partially meet some of these needs, and we wish to make sure there are well-known to all who are interested. But where possible, we also wish to make sure there are free, open source, and cross-platform options available as well.

This project is formally got underway in August of 2013 but is based on work that has been going on for a number of years. Stay tuned for more information.

Meanwhile, we want to emphasize that this is meant to be a collaborative effort, and we welcome your input and participation. Please feel free to leave comments, make suggestions, and ask questions.

Recent Posts

[New Accessibility Work On MuseScore June 17, 2017](#)

[Accessible Guitar Chords and Scales April 8, 2016](#)

[MuseScore 2.0 Beta 1 released, with accessible score reading support August 27, 2014](#)

[Accessible work to begin on MuseScore April 25, 2014](#)

[MuseScore Accepted for Google Summer of Code February 25, 2014](#)

THE HEAVENS DO DECLARE

Ps. 19: 1-6

Anon., 1640

Tune in tenor



LONDON S.M.

Frost 45

Edmund Hooper, arr. 1592

1. The heav - ens do de - clare The maj - es - ty of God;
2. Day speaks to day, knowl - edge Night hath to night de - clared.

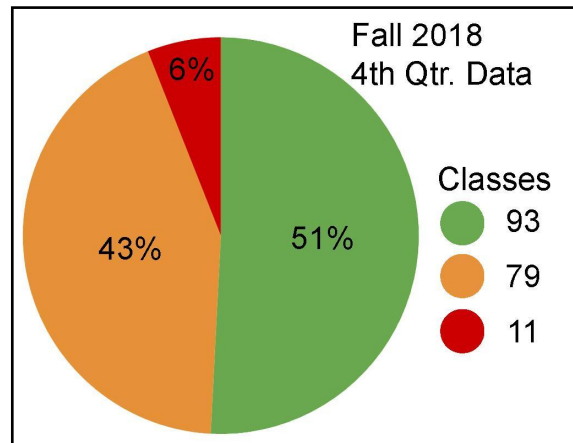
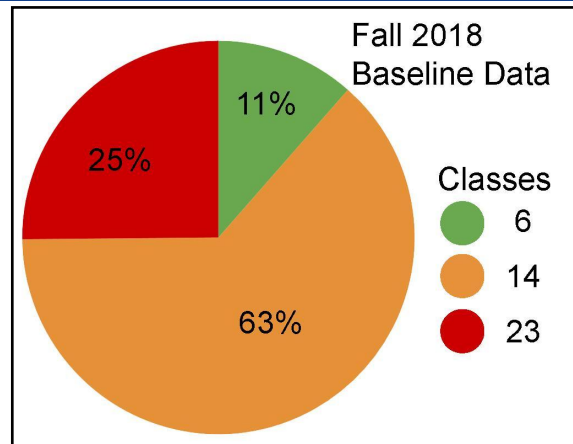
Al - so the fir - ma - ment shews forth His hand - i - work a - broad.
There nei - ther speech nor lan - guage is. Where their voice is not heard.

Full Implementation

Fall 2018

- 43 Classes to start; 183 ended
- 183 classes / 1273 files / 349 hours
- 47% to 64% average accessibility
- SSD List
- GE courses with 30-60 files
- Department Chairs Courses

- Red 0 - 33 percent accessibility
- Orange 34 - 66 percent accessibility
- Green 67 - 100 percent accessibility



Student Surveys

- 84.46% of students accessed course content with a laptop “Most of the Time” or “Always.”
- 57% of students **did not** access an alternative format.
- Of those that did not
 - 55% did not know about them.
 - 41% did not need an alternative format.
- Of those that did select an alternative format
 - 83% were somewhat or extremely satisfied with the format provided
 - 87% learned about them from the Instructor syllabus or an Instructor announcement.

Faculty Surveys

Faculty Awareness Survey - 395 Responses (31%)

- 50% have never had accessibility training at Fresno State.
- 60% consider their digital course materials to be accessible.
- 82% have modified or changed course material to make them more accessible.

Faculty End of Semester Survey – 162/395 Responses (41%)

- 65% have not attended a training at Fresno State.
- Those that attended a training, 84% found it helpful.
- 80% have modified or changed course material to make them more accessible.

The Five Building Blocks for Successful Change



- IRB
- Focus groups with faculty, students, and administrators
- Data driven recognition letters
- Badging of Inclusive Content/UDL
- Grade distribution of Ally course and previous courses

- Think “big.”
- Involve the campus in capacity building.
- Let faculty be faculty.
- Support faculty.
- Build a tolerance for “failure.”
- Be committed.



Questions?



Recommendations & Suggestions



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be the
change
you wish
to see in the
world...
-gandhi

A word cloud featuring the phrase "Thank You" in numerous languages. The words are arranged in a horizontal, somewhat rectangular shape. The largest words are "THANK" and "YOU". Other prominent words include "GRACIAS", "ARIGATO", "SHUKURIA", "GOZAIMASHITA", "EFCHARISTO", "JUSPAXAR", "DANKSCHEEN", "BIYAN", "SHUKRIA", "TINGKI", "YAQHANYELAY", "TASHAKKUR ATU", "SUKSAMA", "EKHMET", "MAAKE", "GRAZIE", "MEHRBANI", "PALDIES", "BOLZIN", and "MERCII".

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