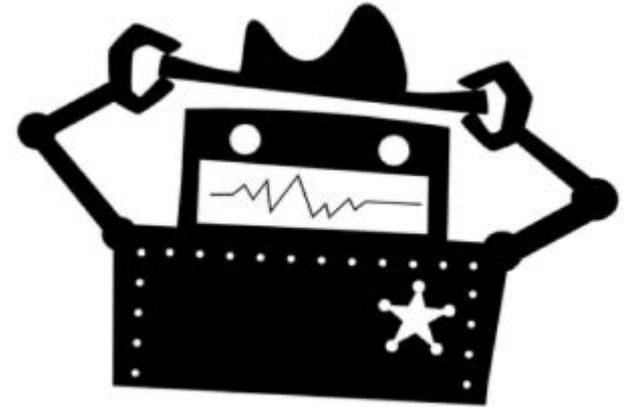


# TECHRANGERS

Accessibility

# Techrangers | What We Do

- Accessibility
- Course Development
- Application Development
- Training/Community Outreach
  - ▣ TechTimes
  - ▣ Facebook: UCFTechrangers
  - ▣ Twitter: @techrangers
  - ▣ Web: <https://techrangers.cdl.ucf.edu/>



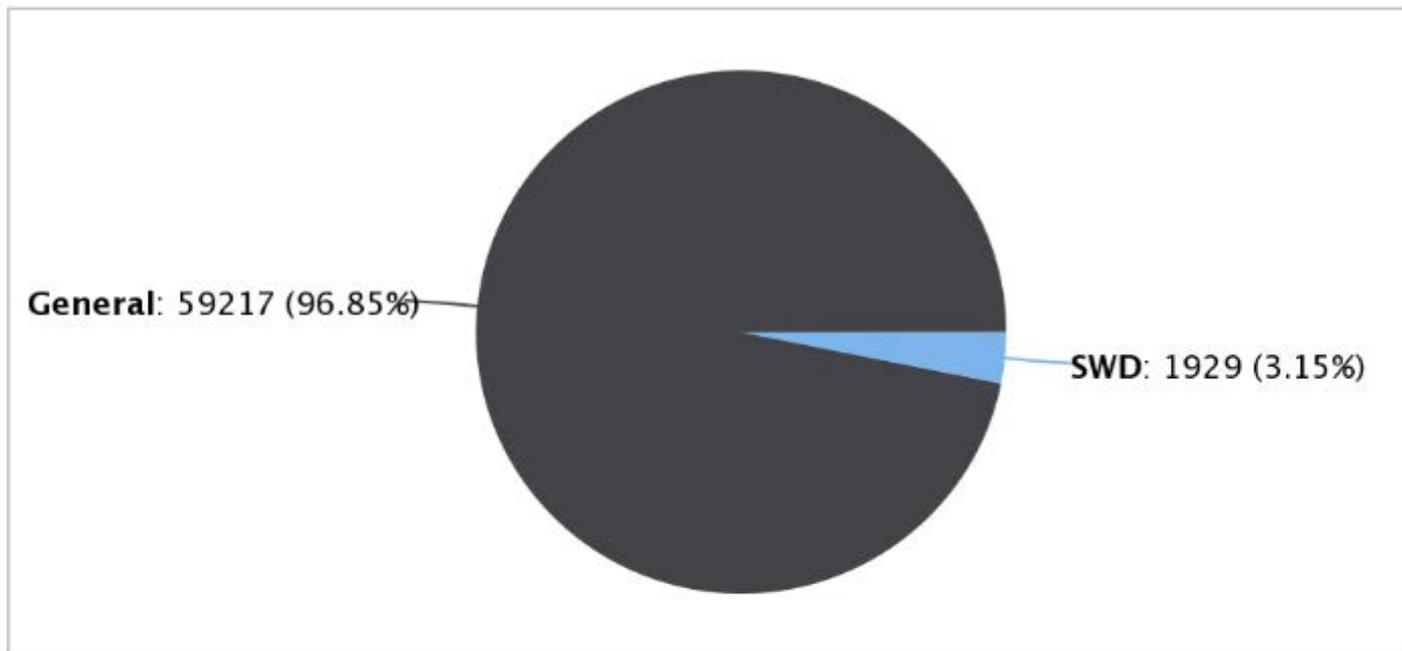
# Accessibility

- All content should be accessible to all students.
- It is the faculty's responsibility, but we're here to help.
- Common Misconceptions:
  - ▣ You can still use multimedia.
  - ▣ There are more students with disabilities than you think.

# UCF SAS Connected Stats

## Headcount – Spring 2017

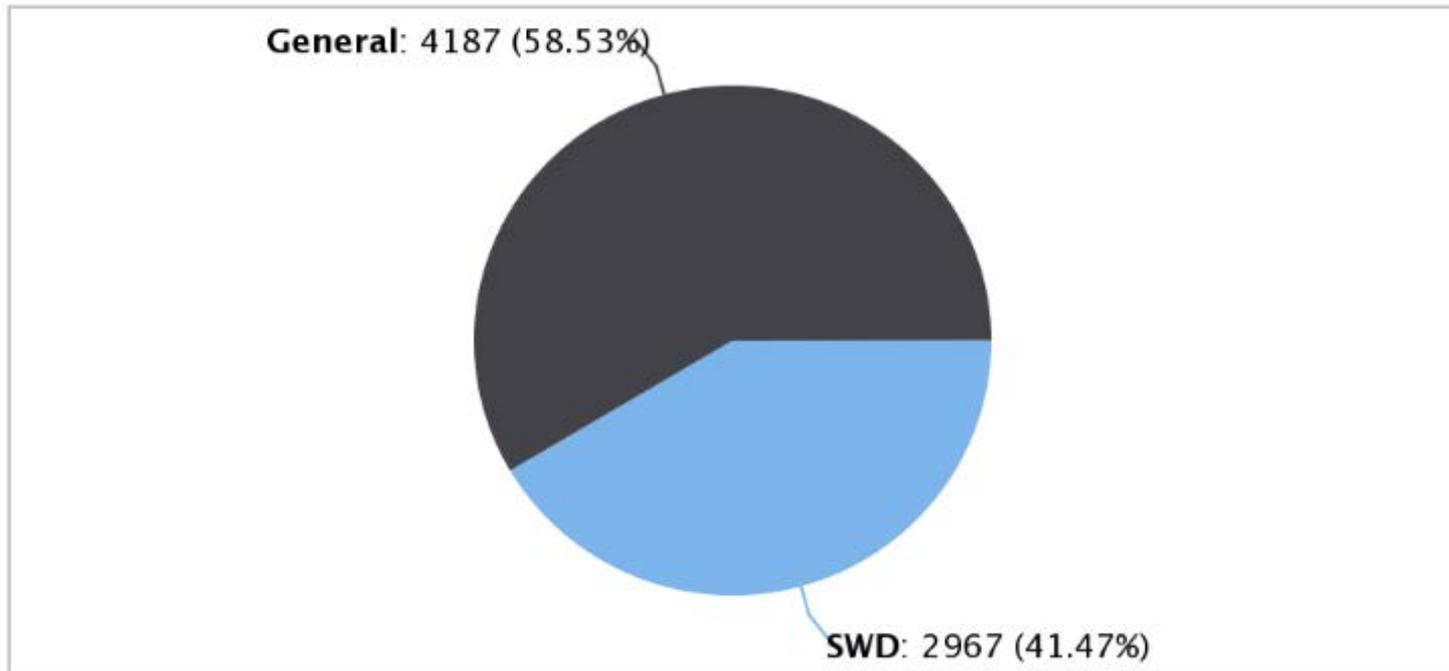
University Headcount: 61146



# UCF SAS Connected Stats

## Sections – Spring 2017

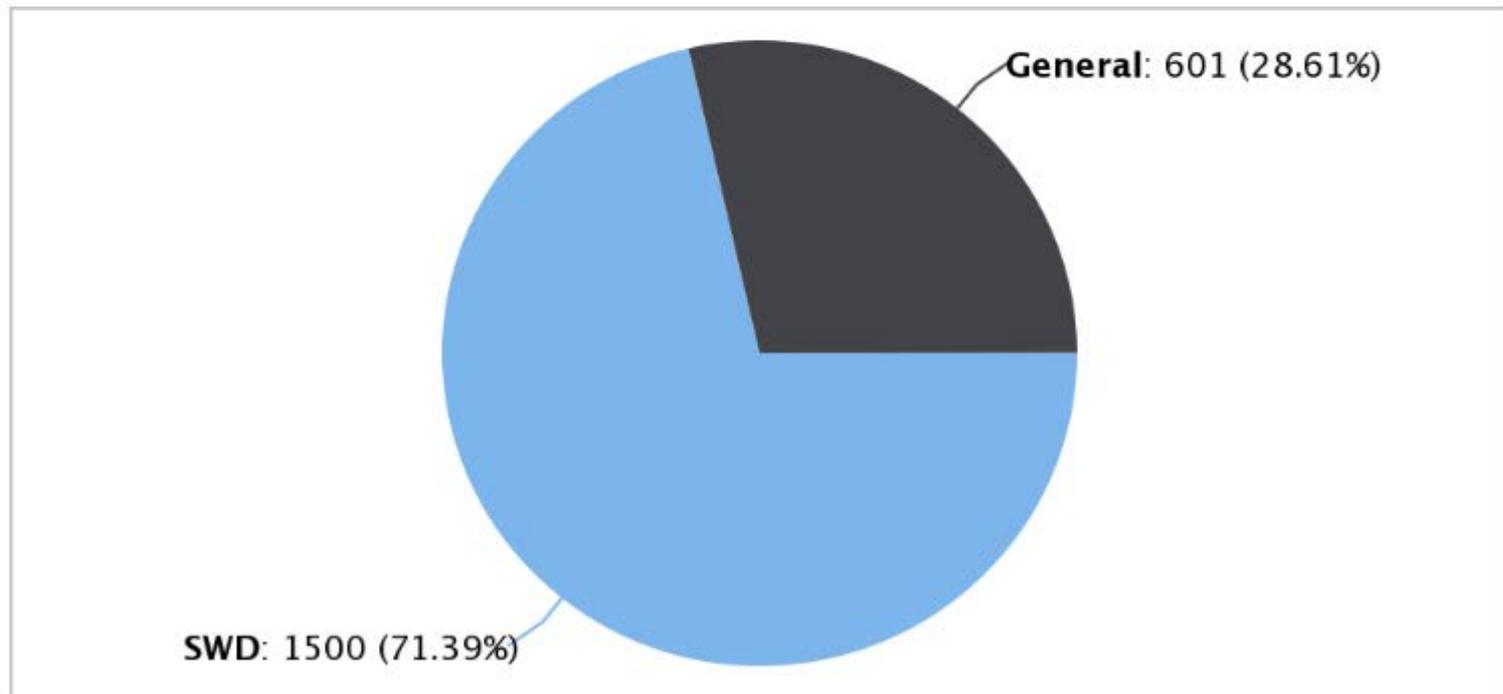
Course Sections: 7154



# UCF SAS Connected Stats

## Faculty – Spring 2017

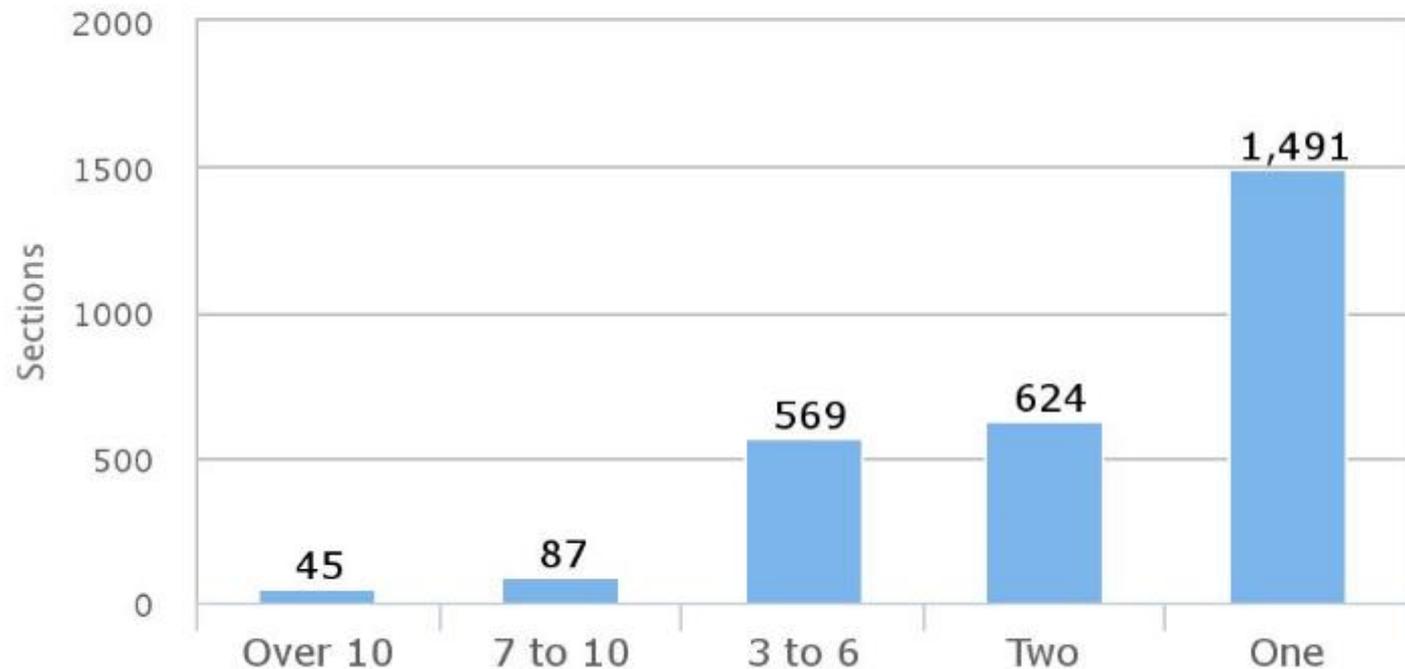
Faculty: 2101



# UCF SAS Connected Stats

## Multiple Students – Fall 2016

Sections: 2816



# Techrangers | Accessibility

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- Categories of disabilities
  - Cognitive
  - Visual
  - Auditory
  - Motor

# Techrangers | Cognitive

- Dyslexia
  - Avoid justified text
- ADD/ADHD
  - Avoid long documents, break up content
- Visual Comprehension
  - Avoid using unnecessary images

# Techrangers | Visual

- Blindness
  - ▣ Format content for screenreaders
- Color Blindness
  - ▣ Ensure proper contrast
- Low Vision
  - ▣ Plan content for magnifiers



# Techrangers | Color Blindness

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Good Contrast

Bad Contrast

Good Contrast

Bad Contrast

# Techrangers | Color Blindness

---

Good Contrast

Bad Contrast

Good Contrast

Bad Contrast

# Techrangers | Use of Color

## Course Description

Include **catalog description** and **prerequisites**

## Course Objectives

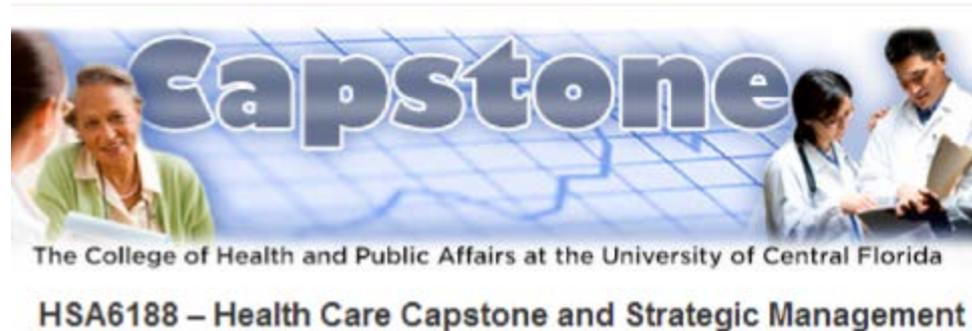
- Objective One which is **super important.**
- Objective Two, also **really important!**
- Objective Three, the **most important!**



## Required Text

- Required Text One
- Required Text Two
- Required Text Three

# Techrangers | Low Vision



University of Central Florida

**Strategic Management**

# Techrangers | Auditory

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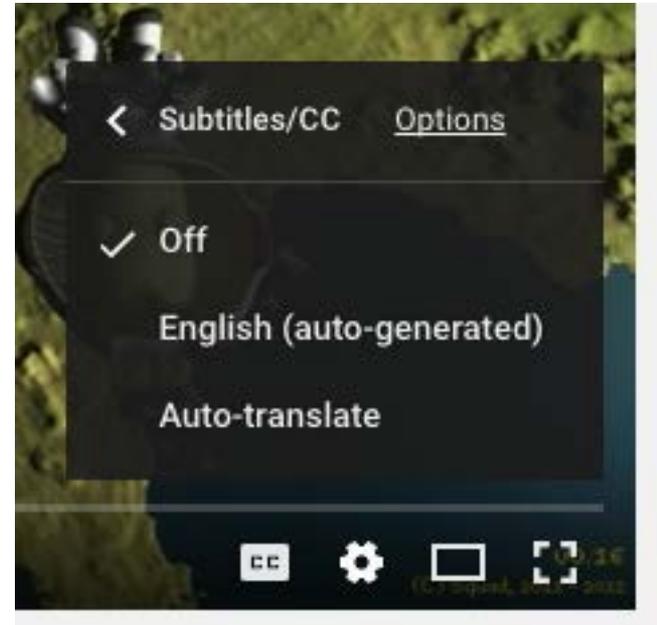
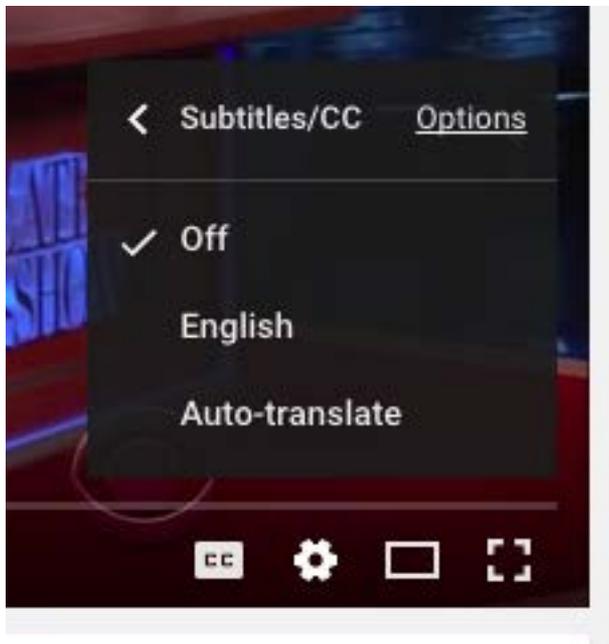
- Closed Captions
- Transcripts

# Techrangers | Videos With CC

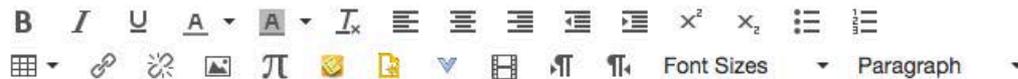
Videos and Narrated PPTs without Closed Captioning



# Techrangers | Closed Caption



# Techrangers | Audio Transcript



[06\\_PublishYourCourse.wav](#)

Audio Transcript:

Two things must happen before your course can be seen by students: the start date set in the Faculty [Webcourse Manager](#) must be met and the course must be published.

[Webcourses@UCF](#) displays a notification banner at the top of your Course Home Page if the course has not been published. The banner reminds you that the course has not been published and warns that only teachers can see the course. There is also a button that will open the "Setup Checklist" to help guide you through setting up your course.

Another indicator labelled "Course Status" is found in the right sidebar. "Unpublished" will be highlighted with a red background when your course has yet to be published. Notice that there is an active "Publish" button in this location when your course is unpublished.

Click "Publish" to make the course visible to your students. If you publish your course before its pre-defined start date, it will be in "read-only" mode.

A green banner appears at the top of your Course Home Page to indicate that you successfully published your course. The banner disappears after a few seconds so you may miss it if you are not paying attention.

There is second place to find a button to publish your course.

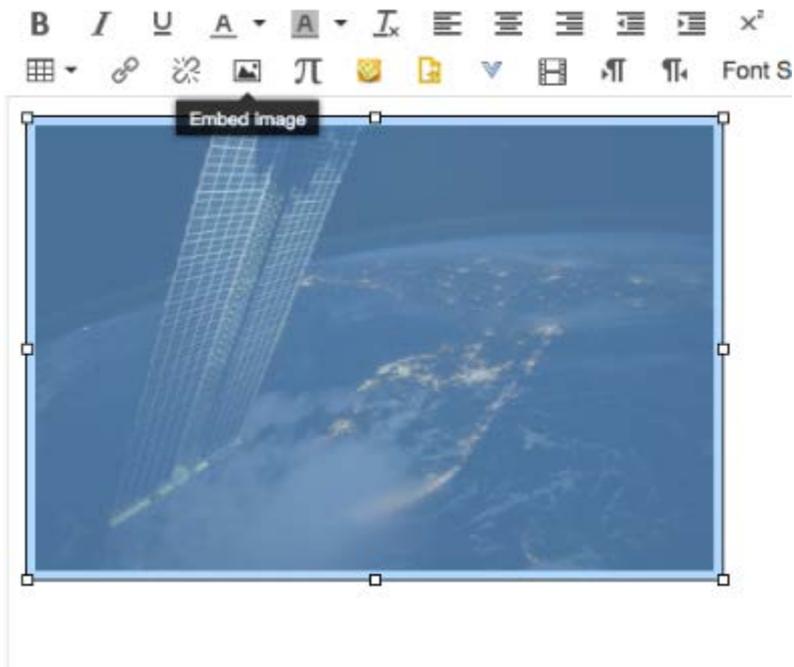
# Techrangers | Proper Formatting

- Makes page content more digestible
  - ▣ Information more easily referenced
  - ▣ Information broken up and clearly formatted
- Better navigation ability for assistive technology
  - ▣ Screen readers
  - ▣ Motor disability navigation

# Techrangers | Formatting Errors

- ❑ Images without ALT text
- ❑ Using tables for layout
- ❑ Tables without proper headers
- ❑ Improperly formatted PowerPoints and Word DOCs
- ❑ Untagged or image-based PDFs

# Techrangers | Image Alt Text



Insert / Edit Image ✕

Image Source

URL [Canvas](#) [Flickr](#)

Attributes

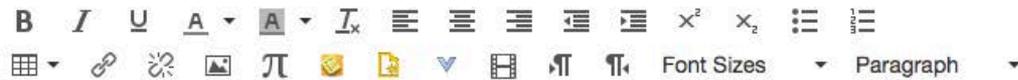
Alt text

Describe the image to improve accessibility

Dimensions  x

Aspect ratio will be preserved

# Techrangers | Using Tables



Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris iaculis metus nec dolor interdum vehicula. Nam pharetra eu augue at facilisis. Aliquam ut tellus vestibulum, pretium dui a, consequat lacus. Etiam laoreet enim vitae feugiat consectetur. Curabitur venenatis elit in turpis consequat dapibus. Vivamus mi lorem, rutrum sit amet fermentum ullamcorper, tincidunt vel ante. Integer aliquam nisi libero, non faucibus elit laoreet et. Nam molestie lorem nec mauris congue, eget dignissim neque finibus. Interdum et malesuada fames ac ante ipsum primis in faucibus. Morbi finibus nibh ligula, a tempor lectus hendrerit at. Vivamus volutpat elit vel augue interdum, ut consectetur eros elementum. Quis dapibus neque at velit maximus, ultrices consequat mauris dapibus.

# Techrangers | Table Headers

A screenshot of a rich text editor's toolbar and a table. The toolbar includes icons for bold (B), italic (I), underline (U), text color (A), background color (A), strikethrough (I<sub>x</sub>), bulleted list, numbered list, link, unlink, image, link icon, unlink icon, and a table icon. A tooltip labeled 'Table' is positioned over the table icon. Below the toolbar, a table is displayed with a dashed border and a small square handle in the top right corner. The table has 5 columns and 4 rows. The first row contains the days of the week: Monday, Tuesday, Wednesday, Thursday, and Friday. The second row contains 'Jacob Meetings Meetings Meetings Meetings Meetings'. The third row contains 'Adrian Requests Materia Requests Materia Requests'. The fourth row contains 'Kylee TOPkit TOPkit Requests TOPkit TOPkit'.

	Monday	Tuesday	Wednesday	Thursday	Friday
Jacob	Meetings	Meetings	Meetings	Meetings	Meetings
Adrian	Requests	Materia	Requests	Materia	Requests
Kylee	TOPkit	TOPkit	Requests	TOPkit	TOPkit

A screenshot of the rich text editor's toolbar, identical to the one above, showing icons for bold, italic, underline, text color, background color, strikethrough, bulleted list, numbered list, link, unlink, image, link icon, unlink icon, and a table icon.

A screenshot of the table context menu. The menu is open, showing options: 'Insert table', 'Table properties', 'Delete table', 'Cell', 'Row', and 'Column'. The 'Cell' option is selected, and its sub-menu is open, showing 'Cell properties', 'Merge cells', and 'Split cell'. The table from the previous screenshot is visible in the background, partially obscured by the menu.

- Insert table
- Table properties
- Delete table
- Cell
  - Cell properties
  - Merge cells
  - Split cell
- Row
- Column

A screenshot of the 'Cell properties' dialog box. The dialog has two tabs: 'General' and 'Advanced'. The 'Advanced' tab is selected. It contains the following settings:

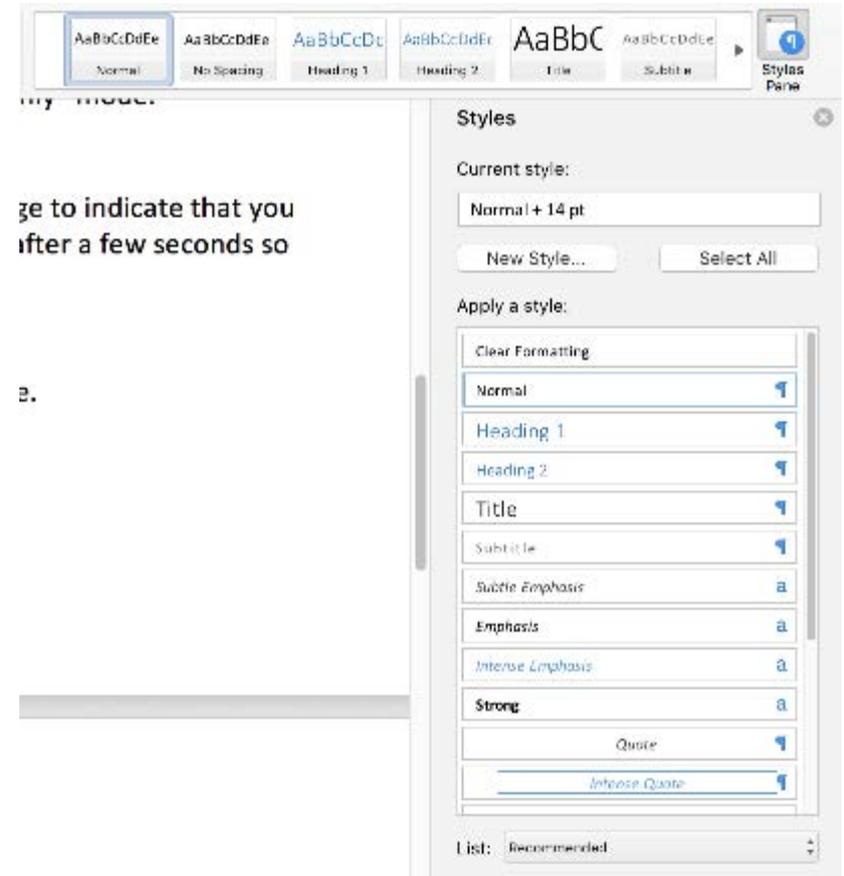
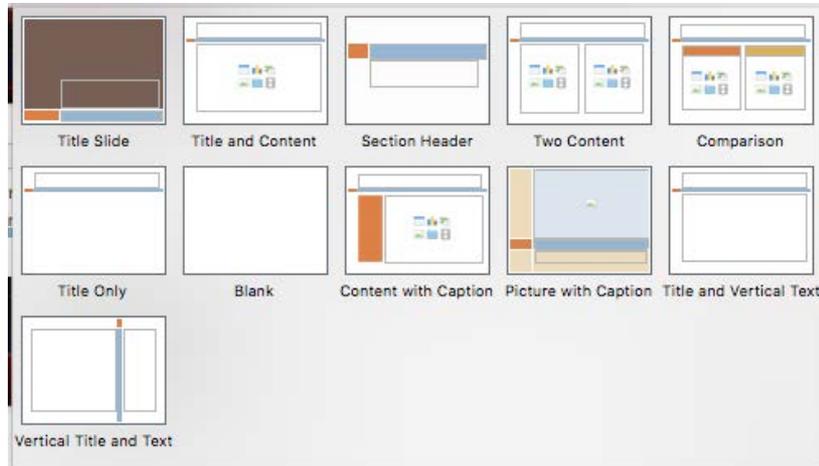
- Width:
- Height:
- Cell type: **Header cell**
- Scope: **Column** (dropdown)
- H Align: **None** (dropdown)
- V Align: **None** (dropdown)

At the bottom right, there are 'Ok' and 'Cancel' buttons.

A screenshot of a table with a dashed border and a small square handle in the top right corner. The first row contains the days of the week: Monday, Tuesday, Wednesday, Thursday, and Friday. The second row contains 'Jacob Meetings Meetings Meetings Meetings Meetings'. The third row contains 'Adrian Requests Materia Requests Materia Requests'. The fourth row contains 'Kylee TOPkit TOPkit Requests TOPkit TOPkit'. The header cells in the first row are bolded.

	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
<b>Jacob</b>	Meetings	Meetings	Meetings	Meetings	Meetings
<b>Adrian</b>	Requests	Materia	Requests	Materia	Requests
<b>Kylee</b>	TOPkit	TOPkit	Requests	TOPkit	TOPkit

# Techrangers | PPTs and Docs



ge to indicate that you  
after a few seconds so

2.

# Techrangers | Tagged PDFs

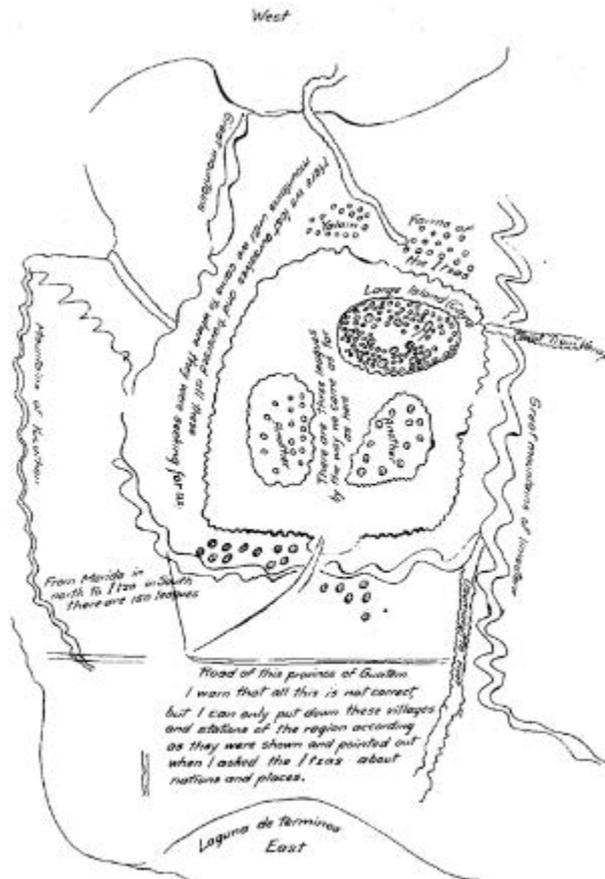


Fig. 3. Earliest known map of Tayasal excerpted from Means (1917, Plate 1). Note that Means has east and west reversed.

Table 1. Caracol causeways and vias

Road	Distance (km)	Associated Terminus Group
1	5.30	Retro SFT
2	4.30	RHE
3	2.50	Ramonal SFT
4	3.00	Conchita SFT
5	7.30	Cahal Pichik
6	1.70	Puchituk SFT
7	4.00	Ceiba SFT
8	1.90	Hatzcap Ceel SFT
9	1.20	Dos Tumbas
10	1.20 (5.20)	unknown
11	0.40	Northwest Group
12	0.07	Retro Hilltop
13	0.04	Retro Hillside
14	0.24	Retro Main
15	>0.50	Cohune
16	0.63 (1.90)	La Rejolla (?)
17	0.11	Ceiba South
18	0.12	Ceiba Northwest
19	0.25	Ceiba Northeast
20	5.30	Chaquistero
21	0.12	Double
22	0.24	Open
23	0.11	Zoom
24	0.06	Plaza of the Two Stelae
25	0.30	Machete
26	0.05	J's
27	0.43	(cross-causeway)
28	0.10	Hilltop
29	0.13	Cro
30	0.10	Pajaro
31	0.03	Mujer
32	0.40	Royal
33	0.12	Conchita Summit
34	0.07	Tulaktuhebe
35	0.10	unknown (RHE)
36	0.06	Walled

# Techrangers | Poor Quality OCR

qualifications, a solid academic background, and research interests that match their own and that are compatible with the philosophy of their training program. In other words, if you want to "join the club," you must fit in.

"Fit" is very important because many programs operate according to an "apprenticeship model": They admit students to work with a *specific* faculty member who will function as their advisor and research mentor. Before applying, it is therefore essential that you do your homework and learn as much as you can about faculty interests and the general theoretical orientation of a given program. This will prevent you from making common mistakes such as applying to a psychoanalytic program when you are interested in behaviorism, or expressing a desire to conduct research in schizophrenia when no one on the faculty has any interest in this area. Mistakes of that kind make you appear as if you applied haphazardly or are woefully uninformed about the admission process.

Another common mistake is when students "tailor" their personal statement to fit a specific program when in reality they neither share the research interests of the faculty nor the philosophical orientation of the program. Although this strategy may be successful, it is risky because it may land you in a program in which you will not be happy. Imagine that you were admitted to a program with a strong commitment to research when your true interests lie in conducting psychotherapy. You may find the research requirements insurmountable, feel disillusioned, and eventually even drop out. The net result would be a lot of unnecessary cost and wasted effort both on your part as well as on the part of faculty who were eager to train you.

- their own and that are compatible with the philosophy of their training program. In other words, if you want to "join the club," you must fit in.
- Another common mistake is when students "tailor" their personal statement to fit a specific program when in reality they neither share the research interests of the faculty nor the philosophical orientation of the program. Although this strategy may be successful, it is risky because it may land you in a program in which you will not be happy. Imagine that you were admitted to a program with a strong commitment to research when your true interests lie in conducting psychotherapy. You may find the research requirements insurmountable, feel disillusioned, and eventually even drop out. The net result would be a lot of unnecessary cost and wasted effort both on your part as well as on the part of faculty who were eager to train you.
- "Fit" is where many programs operate according to an "apprenticeship model ..

# UDOIT Demo



# Need Help?

- <https://cdl.ucf.edu/teach/accessibility/>
- Ask your Instructional Designer
- Contact Webcourses@UCF Support
  - [webcourses@ucf.edu](mailto:webcourses@ucf.edu)
  - (407) 823-0407