

# Supporting Students Online Through Web Conferencing

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University of California, Riverside

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# Outline

Supporting  
Students  
Online  
Through Web  
Conferencing

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Holdiness

Outline

Background  
Information

Web  
Conferencing

Equipment and  
Setup

Video  
Demonstration  
of Instruction

Additional  
Considerations

Summary

## 1 Outline

- Background Information
- Web Conferencing
- Equipment and Setup
- Video Demonstration of Instruction
- Additional Considerations

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# UCR Information

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Summary

- UC Riverside is part of the UC system.
- Fall 2017 Undergraduate Enrollment = 20,069
- Diversity in Student Population
- Over half of the UCR undergraduates are First Generation.
- UCR has a ninety percent first year retention rate for First Generation undergraduates.

# Math Preparation Programs

- The Academic Resource Center provides many programs and resources for students.
- The Math Preparation Programs include
  - Mathematics Advisory Exam
  - ARC 35: Intermediate Algebra Workshop
- Students who do not place into a math course at UCR can take ARC 35.
- ARC 35 is runs for 7 weeks and was redesigned as an online workshop in Spring 2017.

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# Web Conferencing Overview

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- Webinars are one of the most common forms of web conferencing.
- Web conferencing allows people to meet online, in a live environment.
- Thus, web conferencing is ideal for simulating the classroom environment in a remote setting.

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- Adobe Connect
- WebEx
- Zoom
- Skype



# Ways to Use Web Conferencing

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- Online Lectures
- Online Office Hours
- Online Tutoring by Appointment

# How We Are Using Web Conferencing

- We have asynchronous lecture videos and written notes, which are supplemented by online lab sessions.
- The online lab sections meet MWF for 50 minutes using Zoom.
- Labs are conducted by undergraduate student workers called Lab Leaders.
- Each lab has approximately 20 students enrolled.
- Attendance is required and part of their grade.

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# Equipment

- Tablet (dependent on wifi reliability)
- Touchscreen Monitor with a desktop computer
- Document Camera
- Microphone
- Headset
- Camera (optional and may require lighting)

# Setup

- Software installation may require administrator authority.
- Most web conferencing software has annotation and/or a whiteboard, but you may prefer to use another program.
- A setup with two monitors allows the host quick access to the chat feature and other programs that may be needed on the computer.
- For a single host, you may want to use a directional mic. Multiple host may choose a single, multi-directional mic.

# Our Setup

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We have three stations. Each station has a desktop computer, two monitors (one is touchscreen), document camera, directional mic, and a noise canceling headset.

# Desk Setup

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# Room Setup

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# How to Interact and Instruction via Web Conferencing

- Communicate with students using the chat or audio.
- Share content and write on screen, as you would in a traditional classroom.

# Video Demonstrations

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(Clip 1)

(Clip 2)

(Clip 3)

(Clip 4)

(Clip 5)

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# Student Equipment and Access

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- A computer or laptop. (Ideal)
- Tablet or smart phone.
- Headphones or speakers.
- Internet access.
- Initial access requires installing program / app.
- Note-taking material.

# ADA Compliance

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- With the development of online content, it is important to consider ADA compliance.
- Potentially, live Closed Captioning maybe required.
- An upside is that providing the accommodation of recording is generally simple via web conferencing.

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- Web conferencing allows you the ability to connect with an online class. This connection can help prevent the feeling on being on an island.
- Equipment, training, and other considerations are necessary to make an online class environment run smoothly and enhance the students learning opportunities.

# Questions?

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