Supporting Students Online Through Web Conferencing

Christina Holdiness

Academic Resource Center
University of California, Riverside

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Outline

1. Background Information
2. Web Conferencing
3. Equipment and Setup
4. Video Demonstration of Instruction
5. Additional Considerations
1 Outline

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- Additional Considerations
UCR Information

- 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.
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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Summary
Web Conferencing Overview

- 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.
Web Conferencing Software

- Adobe Connect
- WebEx
- Zoom
- Skype
Ways to Use Web Conferencing

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

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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

(Clip 1)

(Clip 2)

(Clip 3)

(Clip 4)

(Clip 5)
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Student Equipment and Access

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

- 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.
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Contact Information: christina.holdiness@ucr.edu