Technology, Pedagogy, or Both?:

Enhancing the Student Experience through Optimal Engagement and Immersion Pedagogy (OEIP)

Presented by Jennifer Miyake-Trapp, EdD & Elias Saade, MS
SOLSTICE and CLT Conference
June 3rd, 2021

Session Objectives

Development of OEIP

Demonstration

Lessons Learned

Understanding the Context

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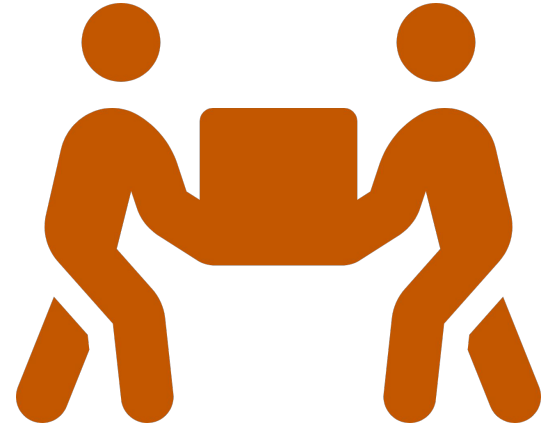# Context of the Problem

Intersecting Challenges

The COVID-19 pandemic forced many colleges and universities to transition to fully online or hybrid instruction.

Travel restrictions, health and safety requirements, and personal and professional changes disrupted traditional schedules.

Calls for social justice and equity rang throughout the United States and beyond.

Context of the Problem

Nevertheless, students still expected high-quality educational experiences.

Context of the Problem

Our own survey of student preferences revealed:

22.42%
Preferred fully
F2F Instruction

46.75%
Preferred no F2F
instruction fearing
personal safety

25.45%
Preferred some
F2F instruction

Statement of the Problem

Most IHEs sought advanced technology solutions to deliver content using lecture capture software and text-based LMS approaches.

While arguably effective at delivering content, these solutions are insufficient to provide authentic online and F2F student engagement through meaningful learning experiences.

An equitable, cost-effective, easy-to-use, and adaptable solution that centered student experience was needed to reach in-person and remote students simultaneously.

Solution

Optimal Engagement & Immersion Pedagogy (OEIP)

What is **OEIP?**

What is OEIP?

OPTIMAL ENGAGEMENT & IMMERSION PEDAGOGY

OEIP is an **equitable** and innovative approach that allows students to engage in either modality,F2F or online, **simultaneously**.

OEIP Classroom Design

Online Space

F2F Space
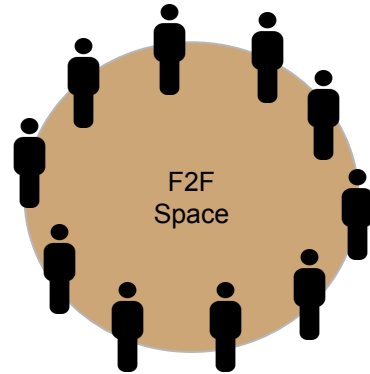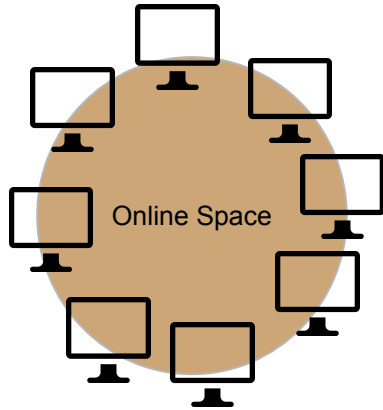
Traditional Models

Immersion Space
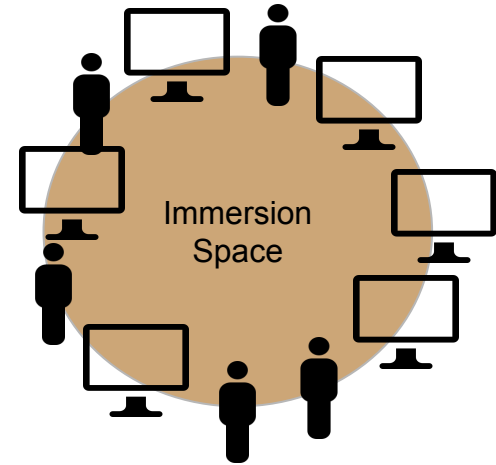
OEIP Model

Guiding Frameworks
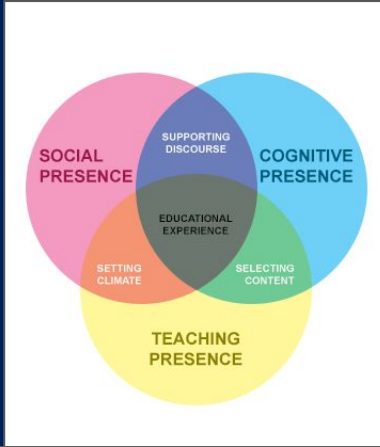
Community of Inquiry Framework (CoI)

(Garrison, Anderson, & Archer, 2010)
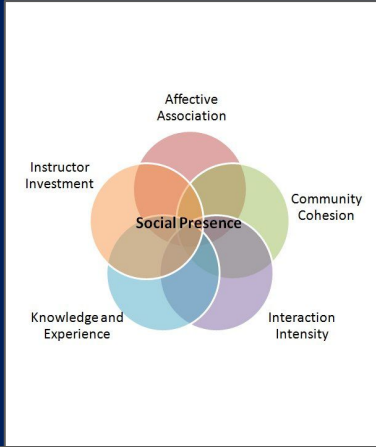
Social Presence Model

(Whiteside, 2015)
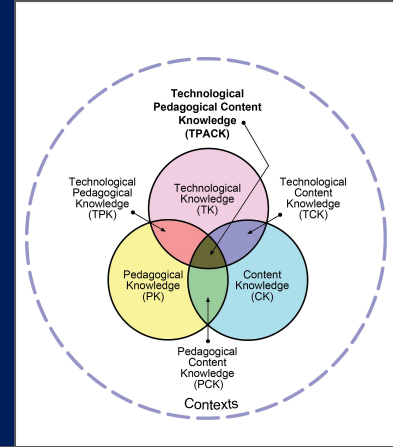
TPACK Framework

(Koehler & Mishra, 2009)

Gathering Data

Design Thinking Approach

Empathize   **Define**   **Ideate**   **Prototype**   **Test**

Primary Considerations
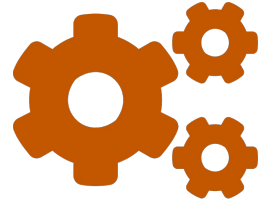
Student Experience

Sound Pedagogy

Faculty Ease of Use

Cost Effective

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Classroom Packages

GOOSENECK CAMERA

USB-C HUB

USB-A HUB

AUDIO ADAPTER

EXTERNAL MICROPHONE

POWER STRIP

DRY ERASE BOARDS

WALL PLATE

PROJECTOR SCREEN

WALL MOUNTED CAMERA

GOOSENECK CAMERA

INSTRUCTOR

INSTRUCTOR LAPTOP WITH BUILT-IN CAMERA

ACOUSTIC MAGIC MIC

CLASSROOM DESKTOP

STUDENT DESK | STUDENT DESK | STUDENT DESK

STUDENT DESK | STUDENT DESK | STUDENT DESK

STUDENT DESK | STUDENT DESK | STUDENT DESK

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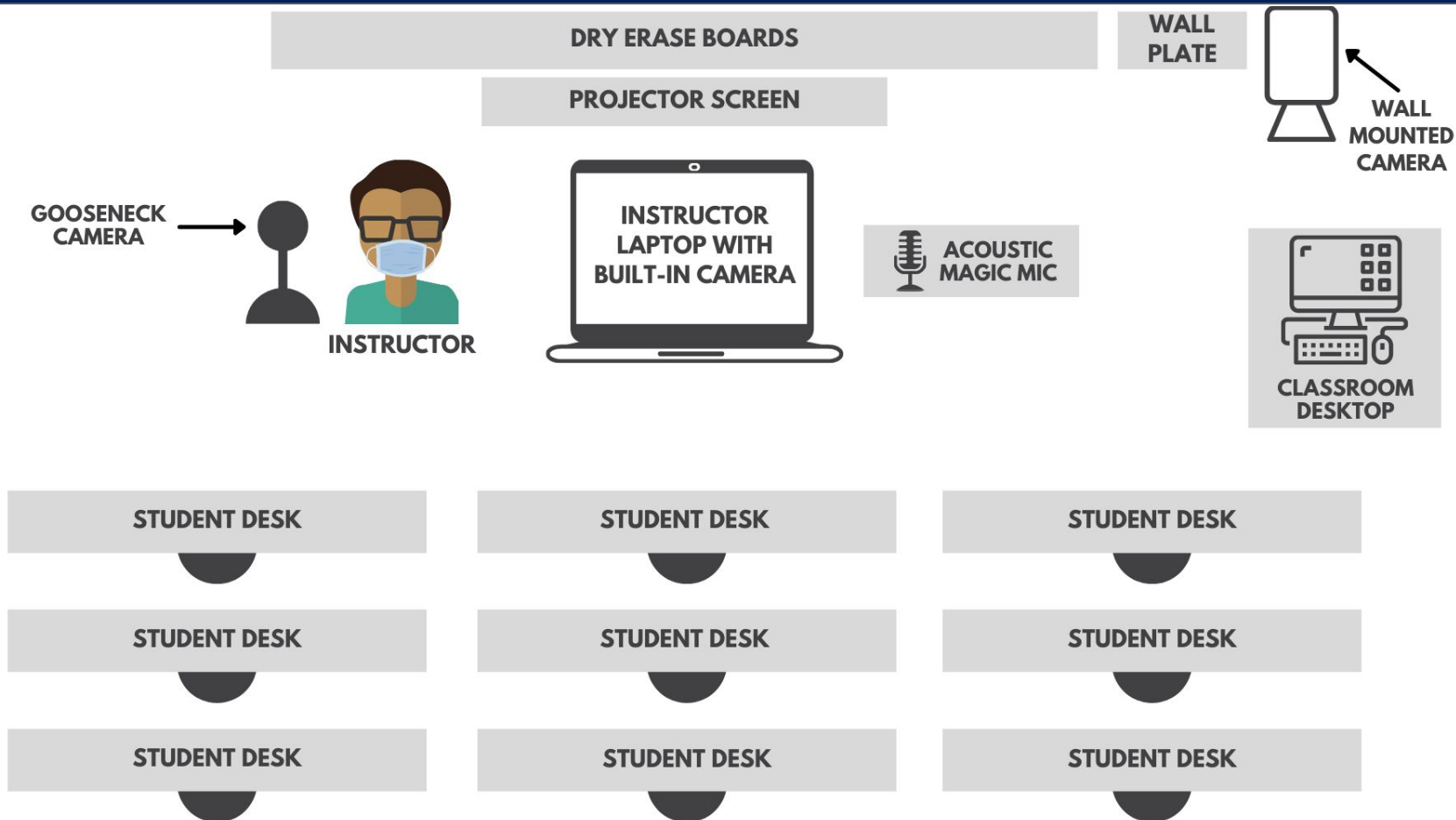
Pedagogical Approaches
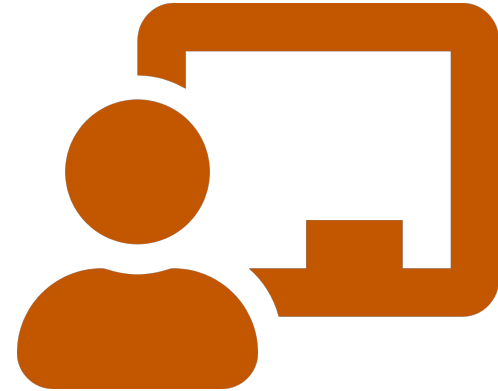
Student Groups
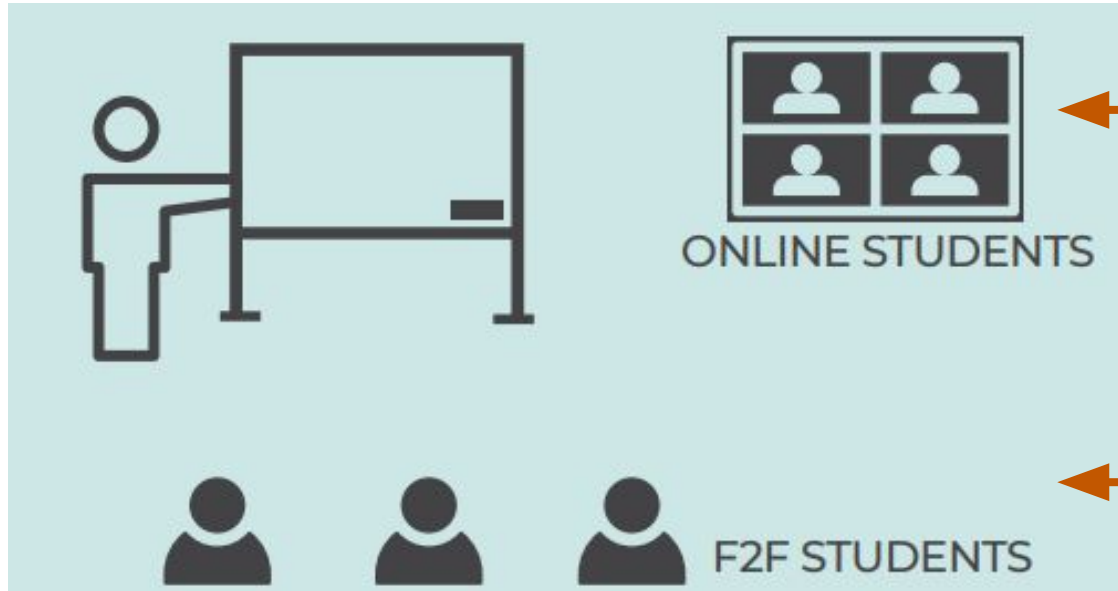
Online

Students attend class online (live) via Zoom.

Face-to-Face (F2F)

Students attend classroom in-person.

Pedagogy

Three pedagogical strategies to synchronously engage all learners.

Whole Class Discussion

Using cameras and microphone placed in the classroom, students online can join their F2F classes as they are occurring. Both F2F and online students can clearly see and hear each other.
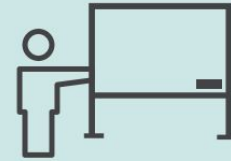
ONLINE STUDENTS

F2F STUDENTS

Small Group Collaboration Option 1

For option 1, students attending classes in-person can form groups in the classroom, while online students are placed in their own breakout rooms for small group collaboration.

ONLINE GROUP   ONLINE GROUP

F2F GROUP   F2F GROUP

Small Group Collaboration Option 2

For option 2, students attending classes in-person can use their own devices to log into Zoom with their headphones on. This method allows for F2F and online students to collaborate in small groups together.
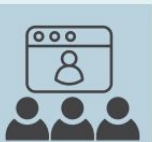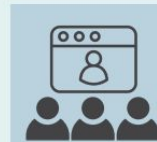
F2F & ONLINE GROUP

Faculty Technology Learning
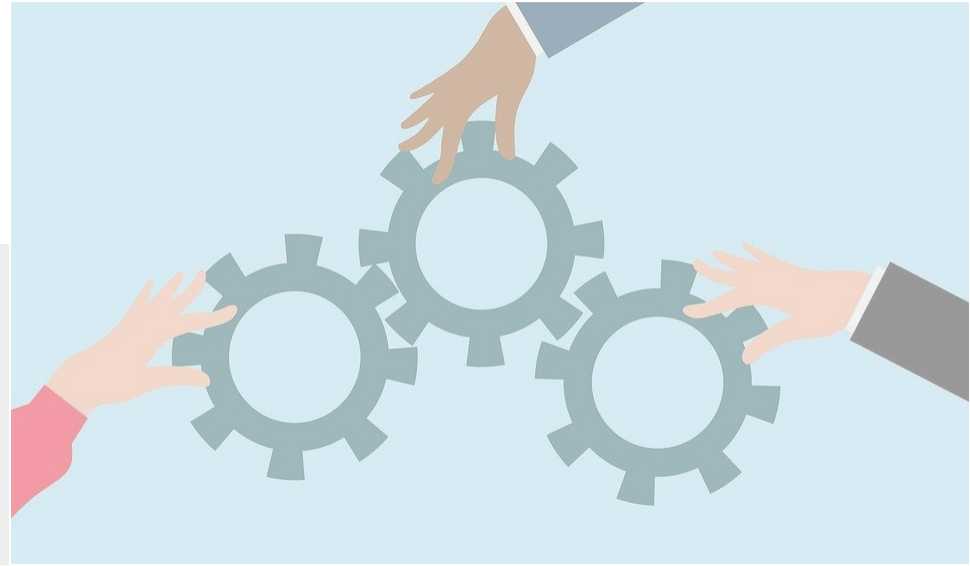
OEIP
Training Flyer

SUMMER 2021
OEIP TRAINING

TO PREPARE FOR SUMMER 2021 IMPLEMENTATION OF OPTIMAL ENGAGEMENT & IMMERSION PEDAGOGY (OEIP), PLEASE ATTEND ONE OR MORE OF THE FOLLOWING TRAINING OPTIONS.

WHAT IS OEIP? Optimal Engagement and Immersion Pedagogy (OEIP) is an equitable and innovative approach that allows students to engage in either modality, F2F or online, simultaneously.

TRAINING OFFERED IN TWO FLEXIBLE OPTIONS

OPTION 1:
WLA IN-PERSON

BRING YOUR LAPTOP FOR THIS HANDS-ON WORKSHOP TO EXPERIENCE TEACHING USING OEIP TECHNOLOGY.

DROP-IN HOURS ▶
03.31.21	5 PM - 7 PM
04.01.21	8 AM - 12 PM
04.02.21	8 AM - 3 PM
04.13.21	8 AM - 3 PM

OPTION 2:
VIRTUAL Q&A

JOIN US FOR VIRTUAL Q&A SESSIONS TO ASK OUR TEAM SPECIFIC QUESTIONS ABOUT OEIP.

DROP-IN HOURS ▶
03.31.21	6 PM - 7 PM
04.01.21	9 AM - 10 AM
04.13.21	12 PM - 1 PM

CLICK HERE FOR THE ZOOM LINK

FOR MORE INFORMATION, CONTACT DR. JENNIFER MIYAKE-TRAPP
JENNIFER.MIYAKETRAPP@PEPPERDINE.EDU

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OEIP
Resource Guide

OEIP RESOURCE GUIDE

Optimal Engagement and Immersion Pedagogy (OEIP) is an equitable and innovative approach that allows students to engage in either modality, F2F or online, simultaneously.

QUICK LINKS:

OEIP Step-by-Step Guide for WLA and Calabasas

OEIP Step-by-Step Guide for Malibu Campus

OEIP Step-by-Step Guide Video

OEIP Components

OEIP Pedagogy

FAQ

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OEIP FAQs

OEIP FAQs
Frequently Asked Questions

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WILL I BE ABLE TO USE MY POWERPOINT/GOOGLE SLIDES?
Yes. Since faculty members are using their own laptops for OEIP, they are able to access their PowerPoint/Google Slides in the classroom.

WILL THE STUDENTS ON ZOOM BE ABLE TO HEAR THE FACULTY AND STUDENTS IN THE CLASSROOM?
Yes. The external microphone set up in the classroom allows students on Zoom to hear the faculty and students in the classroom synchronously.

WILL THE STUDENTS IN THE CLASSROOM BE ABLE TO HEAR THE STUDENTS ON ZOOM?
Yes. The gooseneck camera also acts as a speakerphone, so it allows the students in the classroom to hear the students on Zoom synchronously.

WILL THERE BE STAFF ON SITE FOR ADDITIONAL SUPPORT?
Yes. There will always be a trained staff member on site to assist faculty and students.

WILL THERE BE ON-GOING TRAINING AND SUPPORT?
Yes. We will provide virtual and in-person training before term begins so that faculty are prepared and ready for OEIP. Support and one-on-one consultations will be available by appointment throughout the term.

WHO DO I CONTACT TO SCHEDULE AN OEIP CONSULTATION?
Jennifer Miyake-Trapp, Assistant Professor
jennifer.miyaketrapp@pepperdine.edu
Linda Lee, Instructional Designer & OEIP Specialist
linda.lee@pepperdine.edu
Elias Saade, Instructional Designer
elias.saade@pepperdine.edu

Classroom Guides

OEIP STEP-BY-STEP GUIDE

STEP 1
1. **Turn on Wallplate** by selecting the power button on the touchscreen.
2. Select "**Wallplate**" on the touchscreen.

STEP 2 — SELECT USB HUB
If your laptop uses a **rectangular** USB-A, use the **USB-A hub**.
If your laptop uses a **rounded** USB-C, use the **USB-C hub**.

STEP 3 — PLUG IN HDMI
Locate the HDMI cable plugged into the wall outlet.
Do **NOT** unplug this cable. You will connect the other end to your device.
1. Connect your device to the USB hub.
2. Connect the HDMI cable to the other end of the USB hub.
Note: If your device has a built-in HDMI port, plug HDMI cable directly into your device.

STEP 4 — PLUG IN GOOSENECK CAMERA
GOOSENECK CAMERA
Connect the **USB** from gooseneck camera to the USB hub.
AND
Plug in **A/C adapter** from gooseneck camera to power strip.

STEP 5 — PLUG IN EXTERNAL MICROPHONE
EXTERNAL MICROPHONE
AUDIO ADAPTER
AUDIO JACK
1. Connect Audio Jack from external microphone to Audio Adapter.
2. Connect the other end of Audio Adapter to your device.
AND
Plug in **A/C adapter** from external microphone to power strip.

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OEIP STEP-BY-STEP GUIDE
Speaker, Microphone and Video Settings for Zoom

PC
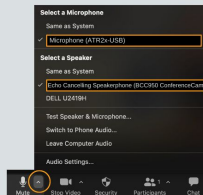
Speaker and Microphone Settings
1. Click on the "UP" arrow next to Mute button to expand Microphone and Speaker options
2. Select "**Microphone (ATR2x-USB)**" under Select a Microphone
3. Select "**Echo Cancelling Speakerphone (BCC 950 ConferenceCam)**" under Select a Speaker

Video Setting
1. Click on the "UP" arrow next to Stop Video button to expand Video options
2. Select "**BCC ConferenceCam**" under Select a Camera

MAC
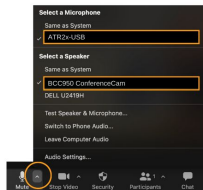
Speaker and Microphone Settings
1. Click on the "UP" arrow next to Mute button to expand Microphone and Speaker options
2. Select "**ATR2x-USB**" under Select a Microphone
3. Select "**BCC950 ConferenceCam**" under Select a Speaker

Video Setting
1. Click on the "UP" arrow next to Stop Video button to expand Video options
2. Select "**BCC ConferenceCam**" under Select a Camera

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OEIP Training Video

Planning for Sustainability

OEIP Support Schedule

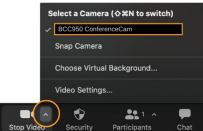|	MON	TUE	WED	THU	FRI	SAT	SUN
W2					DL 8-5 DR 12-8	ESE 4:30-9:30	
W3	10	11	12	13 YL 2:30-10:30	PHD 14 DL 8-5 BJ 1-9	PHD 15 MS ES 8-4 JMT ALL DAY	PHD 16 MS ES 8-4 JMT ALL DAY
W4	17	18	19	20 YL 2:30-10:30	21	22	23
W5	24	25	26	27 YL 2:30-10:30	28	29	30

JUNE

	MON	TUE	WED	THU	FRI	SAT	SUN
W6	5/31 ✕	1 LL (TBD)	2 LL 1-9	3 ES 2:30-10:30	4 DR (TBD) BJ (TBD)	5	6
W7	7	8 LL TBD	9 YL TBD	10 YL 2:30-10:30	PHD 11 EDD DL 8-5 DR 1-9	PHD 12 EDD ES 7-3 YL 1:30-9:30	PHD 13 EDD LL 8:30-4:30 ESE 4-9:30
W8	14	15 LL TBD	16 YL TBD	17 YL 2:30-10:30	PHD 18 EDD DL 8-5 BJ 1-9	PHD 19 EDD LL 7-3 YL 1:30-9:30	PHD 20 EDD ESE 8:30-5:30
W9	21	22	23 LL 1-9	SEC 24 YL 2:30-10:30	SEC 25 DL 8-5 DR 12-8	SEC 26 LL 7-3 ESE 2-9	27
W10	28 YL 1:30-9:30	29	30	7/1 YL 2:30-10:30	7/2	7/3	7/4

JULY

	MON	TUE	WED	THU	FRI	SAT	SUN
W11	5 ✕	6	7	8 YL 2:30-10:30	PHD 9 DL 8-5 BJ 1-9	PHD 10 LL 7-3 ES 2-10	PHD 11 ESE 8:30-5:30
W12	12 YL 1:30-9:30	13	14 YL 1-9	15 YL 2:30-10:30	PHD 16 EDD DL 8-5 DR 1-9	PHD 17 EDD LL 7-3 YL 2-10	PHD 18 EDD ESE 8:30-5:30
W13	19	20	21 LL 1-9	22 YL 2:30-10:30	PHD 23 EDD DL 8-5 BJ 1-9	PHD 24 EDD LL 7-3 YL 2-10	PHD 25 EDD ESE 8:30-5:30
	26	27	28	29	30	31	

OEIP
Demonstration

Lessons Learned

Framing Matters

Reimagining Existing Strategies for the OEIP Space

Establishing a Coalition of Support

Confronting Issues of Equity and Access

Intended Consequences: **Integrity & Excellence**

Uncompromised Access	To maximize flexibility for students and faculty, OEIP empowers all participants to choose their preferred modality of engagement (online or in-person), while maintaining the institution's ability to respond to local, state, national, and global conditions.
Commitment to Excellence	Regardless of modality, students receive a high quality educational experience.
Ongoing Support	Provide ongoing support for faculty, staff, and students to ensure the continued evolution of OEIP as an effective approach.

Unintended Consequences:
Learning & Collaboration

Increased Collaboration	Collaboration among faculty, staff, IT, and the instructional design team increased significantly.
Faculty Professional Learning	Professional development opportunities arose as faculty considered strategies to engage both online and in-person learners. Formal and informal learning around technology, pedagogy, assessment, and student experience continues.
Faculty Meeting Focus	Discussion of OEIP was included in faculty meetings to allow for brainstorming of ideas and strategies to operationalize our approach.

Key Considerations Moving Forward

01.
Collect data on student and faculty experiences

02.
Continuously reimagine pedagogical strategies

03.
Expand use of OEIP to different events

THANK YOU

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