

# Vice Provost 5-Year Review Thomas Cavanagh

Spring 2022





#### UNIVERSITY OF CENTRAL FLORIDA

A key reason for UCF's success is its focus on digital learning, which has allowed the university to meet the needs of its expanding student population and keep tuition costs low."

-BILL GATES

Online education is treated as a means to expand access and share innovations throughout the institution. ... The University of Central Florida provides perhaps the best example of an institution that has done this."

- PHIL HILL, Chronicle of Higher Education, June 2021



### Digital Learning Vision and Mission

#### VISION

Fostering education innovation and expanding access to improve the lives of all learners.

#### MISSION

UCF Digital Learning leverages innovative educational technology and practices to support UCF's institutional mission by designing ways to positively impact student access, success, cost, and the quality of the learning experience.





# **Digital Learning**

#### **Center for Distributed Learning**

- Design and production of online/blended courses
- Webcourses@UCF Support for all students/faculty
- Pegasus Innovation Lab
- Faculty Multimedia Center

#### **UCF Online**

- Delivery and support of 100+ fully online programs via virtual campus
- Marketing and recruitment
- Student success coaching and support

#### **Continuing Education**

- Non-credit programs, in-class and online
- Market rate and self-supporting graduate academic programs
- Digital Learning Impact Evaluation / Research Initiative for Teaching Effectiveness (RITE)
  - Program and pilot evaluation
  - SoTL and research on educational technology and practice
  - Longitudinal efficacy studies

#### Mobile Strategy & Innovation (2017-2022)

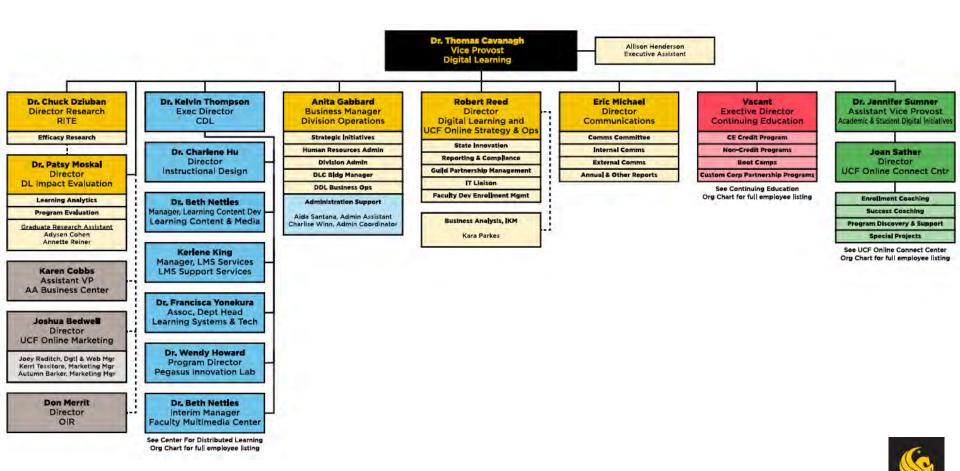
• UCF Mobile app and related mobile initiatives

#### Office of Instructional Resources (2017-2021)

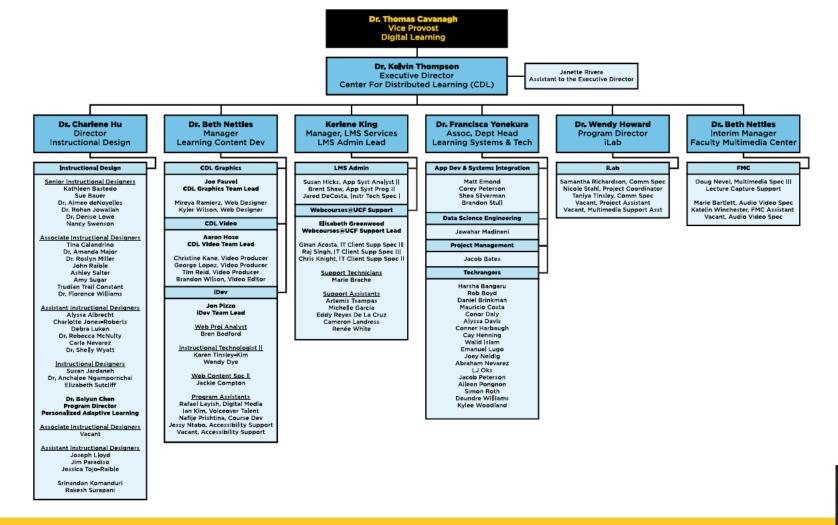
Classroom A/V Technology



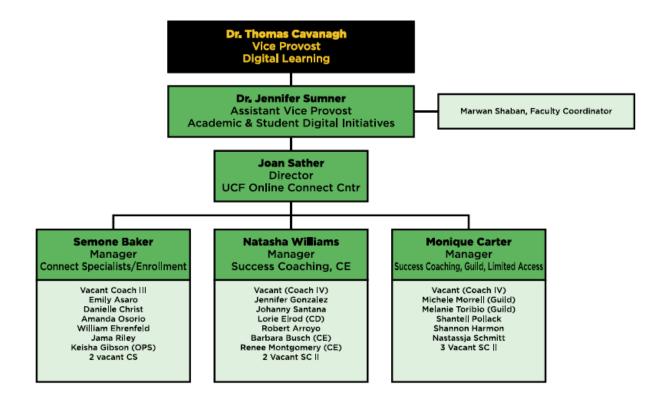




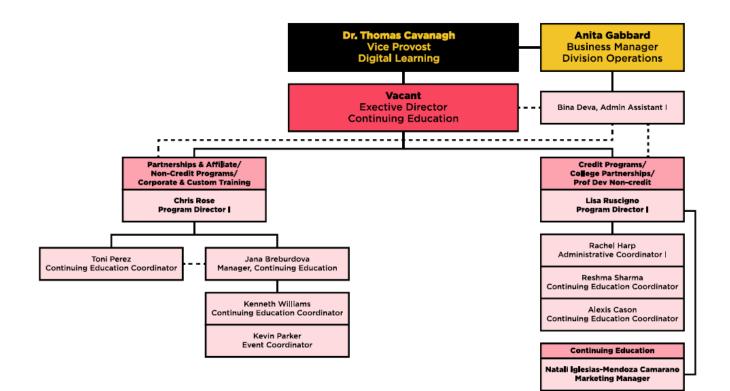
UCF















# Key Divisional Goals

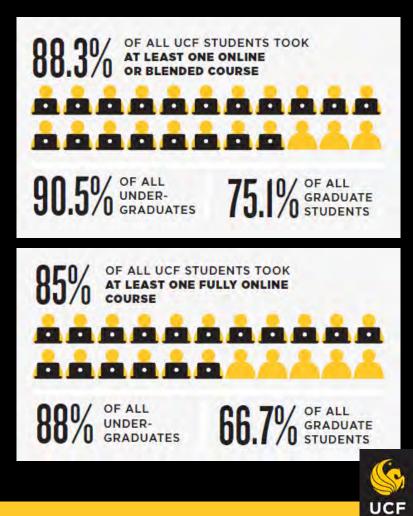
- Increase Access
- Increase Quality
- Reduce Cost
- Foster Innovation



# ACCESS

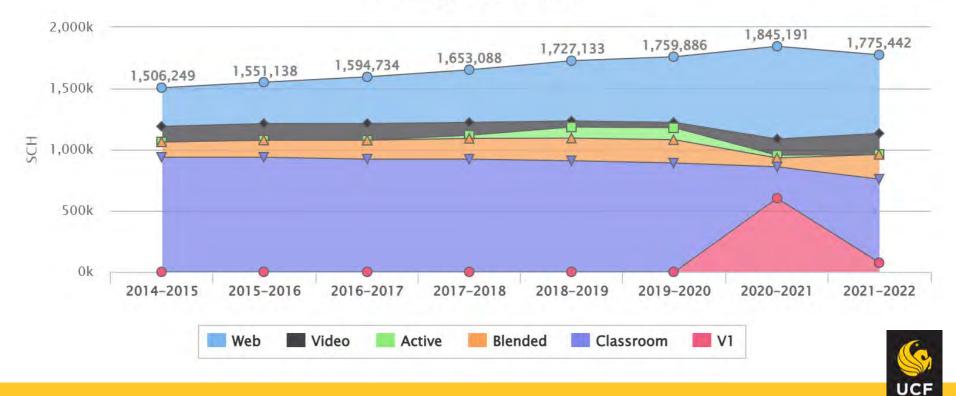
### Access

- Digital SCH (online and blended) increased from 42.2% in 2016-2017 to 61.5% in 2021-2022
- Established new employer partnerships
  - Negotiated and led Guild relationship with Disney, Target, Chipotle, Five Guys, JP Morgan Chase, Lowe's, Waste Management, and others
  - Initiated partnership with Amazon for Career Choice program



### Access

#### Modality SCH Growth



### Academic Year 2021-2022 – College Digital SCH

#### Colleges' digital SCH (online/mixed)

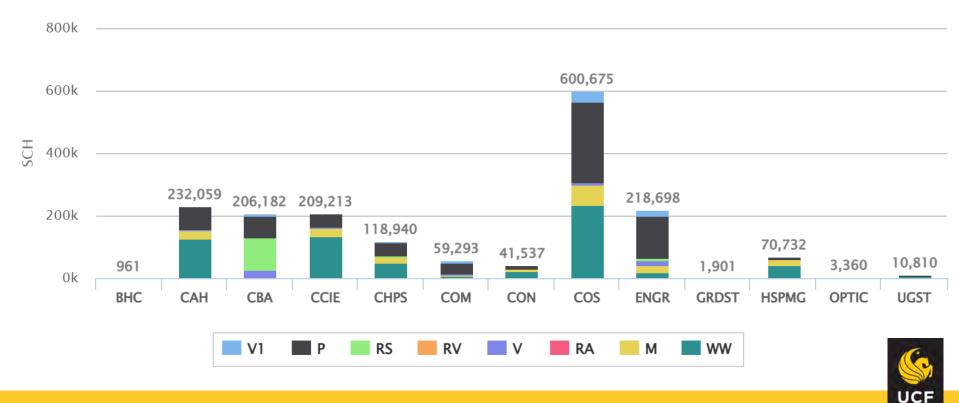
- Hospitality
  - 89.6% | 63% online (DL Fee) only
- Community Innovation & Ed
  - 78.4% | 65.4% online (DL Fee) only
- o Nursing
  - 76.9% | 58.4% online (DL Fee) only
- Arts and Humanities
  - 68.7% | 55.8% online (DL Fee) only
- Undergrad Studies
  - 66.2% | 61.5% online (DL Fee) only
- Business
  - 62.8% | 61.3% online (DL Fee) only

- Health Professions & Sciences
   60.5% | 42.5% online (DL Fee) only
- $\circ$  Sciences
  - 51.1% | 40.1% online (DL Fee) only
- Graduate Studies
  - 45.5% | 24.6% online (DL Fee) only
- Engineering and Computer Science
  - 29.8% | 18.6% online (DL Fee) only
- $\circ$  Medicine
  - 27.8% | 22.8% online (DL Fee) only
- o Optics
  - 6.8% | 6.8% online (DL Fee) only



### Academic Year 2021-2022 – College Digital SCH

SCH by College - AY 2021-2022





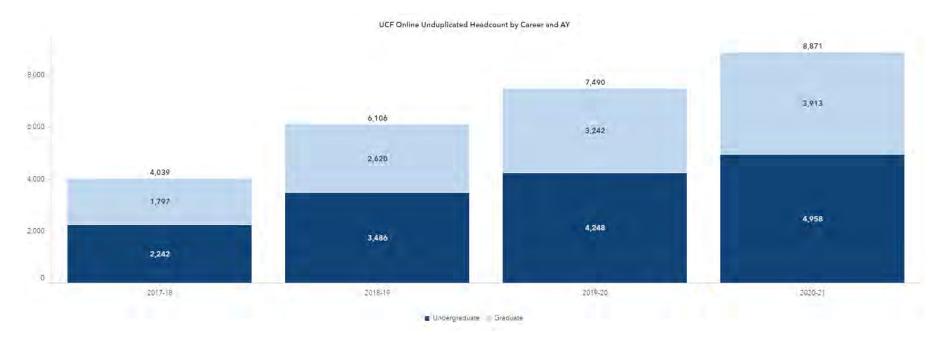
# **UCF Online Highlights**

### **UCF** Online

- Launched in 2016
- UCF's fully online virtual campus
- 100+ programs (bachelor's, master's, certificates, doctorates)
- 8,871 unduplicated students (2020-2021 AY)
- Approx. 10% of total UCF headcount
  - 30% of Graduate headcount

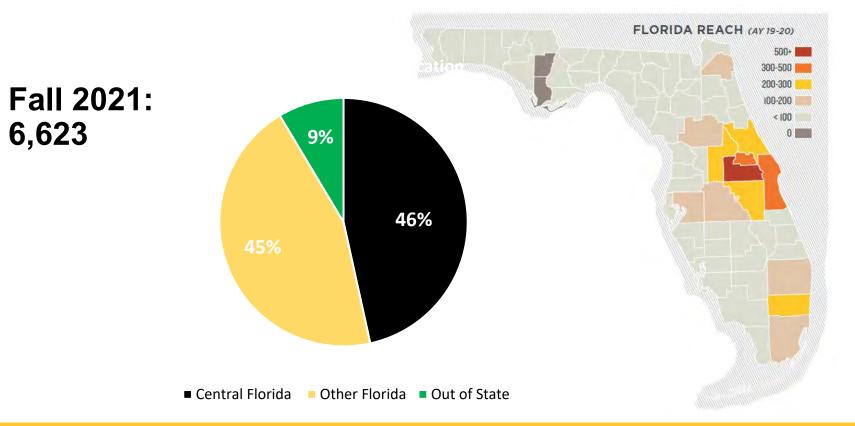


### Access – UCF Online Headcount

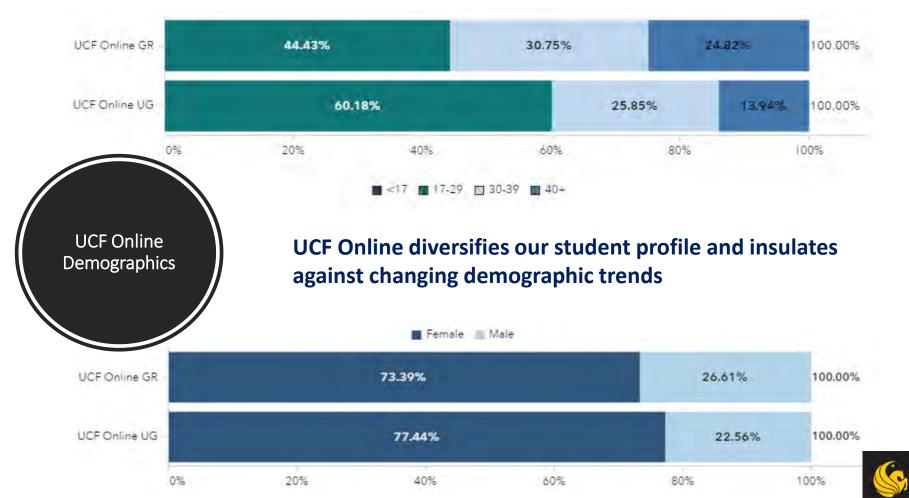




## Access: UCF Online Enrollment

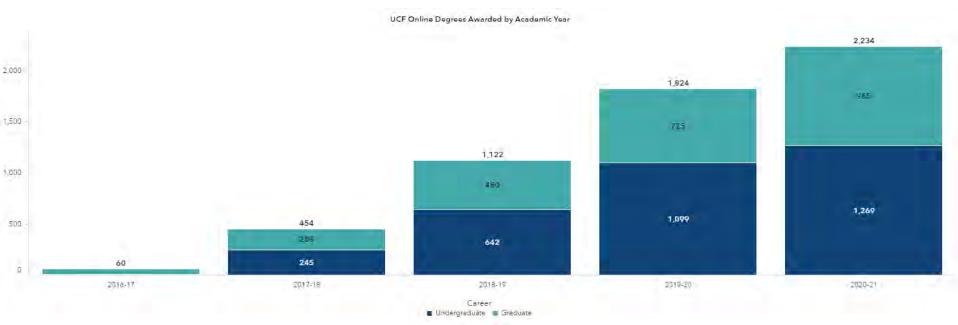






UCF

## UCF Online Degrees Awarded by Year





# Access UCF CONTINUING EDUCATION

Continuing Education delivers credit and non-credit programs that connect UCF resources with our community to support the re-education, up-skilling, professional development and personal growth of professionals and private citizens across the state, region and nation.

\$18M400+5,000+ANNUAL REVENUEPROGRAMSSTUDENTS ANNUALLY



# Access – Continuing Education

#### **CREDIT PROGRAMS**

Continuing Education offers both selfsupporting and market rate graduate degrees and certificates.

#### UCF PARTNERS

College of Community Innovation and Education College of Engineering and Computer Science College of Health Professions and Sciences

#### TOP PROGRAMS:

- Executive Master of Health Administration
- Master of Science in Data Analytics
- Master of Science in Health Care
   Informatics
- Master of Science Professional Engineering Management Program
- Master of Social Work

#### **NON-CREDIT PROGRAMS**

Continuing Education works with corporate partners to create custom training programs, as well as services to support conferences, meetings and other events.

#### PARTNERS

AdventHealth CareerSource Central Florida Parramore Education & Innovation District JP Morgan Chase Microsoft Northrop Grumman Siemens Verizon

#### TOP PROGRAMS:

- UCF Coding Boot Camps: Data Analytics, Digital Marketing, UX/UI
- Cyber Defense Professional Certificate
- UCF ChargeUP! DigitalTraining Program supported by JP Morgan Chase Foundation and Microsoft Philanthropies



# Access-UCF Mobile



UCF MOBILE HAS WON 7 NATIONAL AWARDS



**84% + 90%** of UCF students of Freshmen

USE THE UCF MOBILE APP, ONE OF THE HIGHEST ADOPTION RATES IN THE COUNTRY



# QUALITY







Redes Sociales

. . . .

es. Phase



UCF

### Faculty Development

3,687 completions of credentialed faculty development offerings (duplicated headcount) from Spring 2017 through Spring 2022.

 E.g., IDL6543, ADL5000, PAL6000, IDL7000, TLCZ, OFRA, Essentials of Webcourses, DLI7836, EOT, etc.





#### CHUCK D. DZIUBAN AWARD For Excellence in Online Teaching

"Teaching and learning with technology presents a whole new world of exciting possibilities"

- Chuck Dziuban



#### BARBARA TRUMAN AWARD For Excellence in Blended Teaching

"Blended teaching enables us to create spaces to bring life-long learners together and build new forms of local and global communities."

- Barbara Truman



# Quality Online Course Initiative

# 726 total Quality online/blended course designations

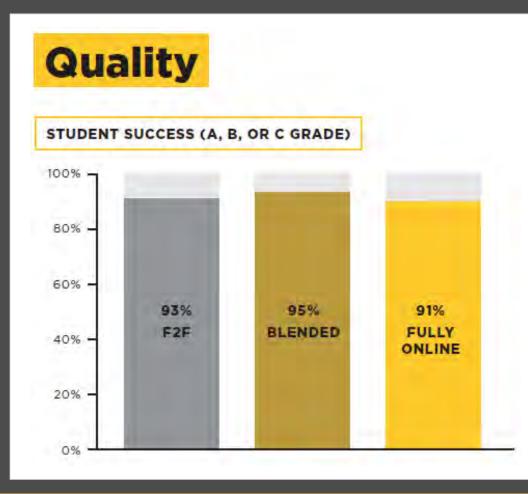
- 476 Quality Online designations
- 105 High Quality Online designations
- 70 Quality Blended designations
- 3 High Quality Blended designation
- 125 other (inherited, blueprint, etc.)



### Quality – Faculty Satisfaction – COACHE

				compared				Areas of strength in GREEN Areas of concern in RED								Within campus differences sm (.1) med. (.3) lrg. (.5)						
	mean	overall	tenured	pre-ten	ntt	full	assoc	men	women	white	foc	asian	urm	ten vs pre-ten	ten vs ntt	full vs assoc	men vs women	white vs foc	white vs asian	white vs urm		
x																					•	
Number of committees	3.49										<b>*</b>	                            		tenured	tenured	assoc	women		white			
Attractiveness of committees	3.60		4	-				-	-	-		-	-	tenured	tenured	assoc		foc	asian	urm		
Discretion to choose committees	3.60			-					<<						tenured	assoc		foc	asian	urm		
Equitability of committee assignments	3.17			-	-	-	-	-	-	-	-	-	-	tenured	tenured	assoc	women	foc		urm		
Number of student advisees	3.62		-				-								tenured	assoc						
Support for being a good advisor	2.89		-	-		-	-	-	-	-	-	-			tenured	assoc						
Equity of the distribution of advising responsibilities	3.00					-				-	-	•	•			assoc	women		white			
Nature of Work: Teaching	3.71	-	-		-	-	-	-	-	-	-	-	-		tenured	assoc	women		asian			
Time spent on teaching	3.86			-					-					pre-ten	tenured	assoc	women		asian	white		
Number of courses taught	3.76					-		-							tenured	assoc	women		asian			
Level of courses taught	4.14			-	-			-	-		<<			pre-ten	tenured	assoc		foc	asian			
Discretion over course content	4.30		-	-	-		-	-	-	-	-		-			assoc	women		asian	white		
Number of students in classes taught	3.47			-					-							assoc	women					
Quality of students taught	3.39		-	-	-	-			-		-	-	-		tenured		men		asian			
Equitability of distribution of teaching load	3.25			<b>4</b>	-	-		-								assoc	women					
Quality of grad students to support teaching	3.24			-		-		-				-		tenured	tenured		women					
Teaching schedule	4.00						-							pre-ten	tenured	assoc			asian			
Support for teaching diverse learning styles	3.74	-	4	-				-	-	-				pre-ten	tenured			foc	asian	urm		
A production of the death of the second		-		-	-	- 11	46	-		-	41	-	-		tenured			foc	asian			
Support for developing online/hybrid courses	3.91	-	-	-	-	-	-	-	-	-	-	-	-		tenured					white		
Support for teaching online/hybrid courses	3.90	-	-	-	-	-	-	-	-	-	-	-	-	1	tenured			white		white		
Related Survey Items															-	-			-			
Time spent on outreach	3.63	-			-	-		-			-				tenured	assoc			asian			
Time spent on administrative tasks	3.01	-	4		-	-	-	-	-	-	-	-			tenured	assoc			white			
Ability to balance teaching/research/service	3.27		<b>*</b>	-									-		tenured	assoc	women					



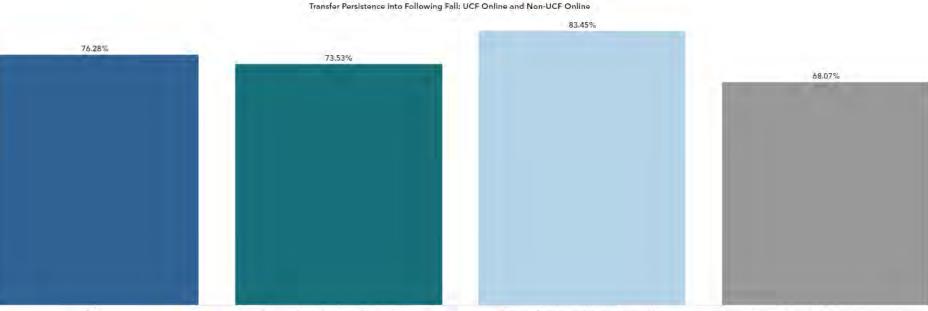




# Online % and Time to Graduation



### UCF Online Transfer Student Persistence Comparison (2020-2021)



UCE Online

Non-UCF Online (No Online Coursework)

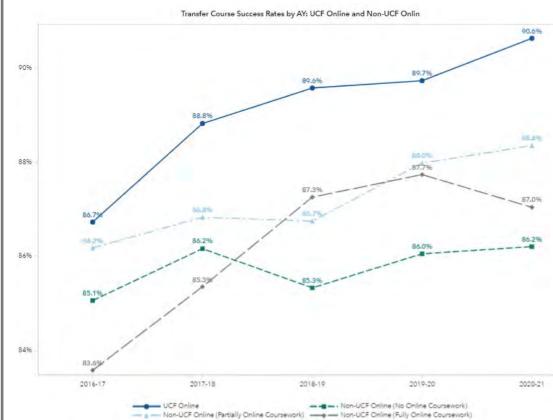
Non-UCF Online (Partially Online Coursework)

Non-UCF Online (Fully Online Coursework)



### UCF Online Success Measures:

Transfer Course Success Comparison









*Up from No. 14 in 2021* 5 years in a row in Top 20 ONLINE

PROGRAMS **PSYCHOLOGY** 

**UPWARD GRADUATE** TRAJECTORY

### #11

**#20** 

**ONLINE GRADUATE CRIMINAL JUSTICE** No. 12 in 2021

**ONLINE MASTER'S** IN NURSING

No. 27 in 2021

#19

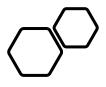
**ONLINE MASTER'S** IN INFORMATION TECHNOLOGY

No. 59-74 in 2021

#46

**ONLINE MASTER'S** IN EDUCATION

No. 108 in 2021



Quality – DDL Awards Since 2017

#### **Online Learning Consortium (OLC)**

- 2018 Digital Learning Innovation Award (PAL Team)
- 2018 Effective Practice Award (CECS, ECE, DDL, and CCIE)
- 2018 Best in Track: Research (Adaptive Learning Team)
- 2017 OLC Effective Practice Award (Quiz Extensions LTI: John Raible & Matthew Emond)

#### WICHE Cooperative for Educational Technology (WCET)

- 2018 WCET Richard Jonsen Award (Thomas Cavanagh) [WCET's highest career award]
- 2017 WCET Outstanding Work (WOW) Award (UDOIT Team)

#### **IMS Global Learning Consortium**

- 2019 Leadership Award (Francisca Yonekura & Kelvin Thompson)
- 2018 Leadership Award (Thomas Cavanagh)
- 2017 Leadership Award (Shea Silverman)
- 2017 Learning Impact Award (UDOIT Team)

#### US Distance Learning Association (USDLA)

- 2017 Quality Research Paper (Charles Dziuban, Patsy Moskal, Alexis Fawcett, Jeffrey Cassisi)
- 2017 Outstanding Leadership Award (Thomas Cavanagh)

#### EDUCAUSE

• 2017 – Horizon Report Video Competition

#### Kurogo Mobile

- 2020 Best New Student Orientation (UCF Mobile)
- 2019 Most Innovative App for Communication (UCF Mobile)
- 2018 Best Overall Campus App (UCF Mobile)
- 2018 Best Use of Special Events Module (UCF Mobile)

#### Florida TaxWatch

- 2017 Prudential Productivity Award (UDOIT Team)
- 2017 Prudential Productivity Award (Quiz Extensions LTI)
- 2017 Prudential Productivity Award (IDL7000 Course)

Various Video Team recognitions (Telly, Suncoast Regional Emmy, Aurora, Communicator)





# Cost

- Significant educational access created by digital modalities
- 2021-2022 rough estimated construction savings for access created by digital modalities\*:
   \$230 Million - \$276 Million

\*Classroom construction only. Does not include labs, offices, dorms, parking, annual plant operations/maintenance, etc.



# Affordable Instructional Materials (AIM)

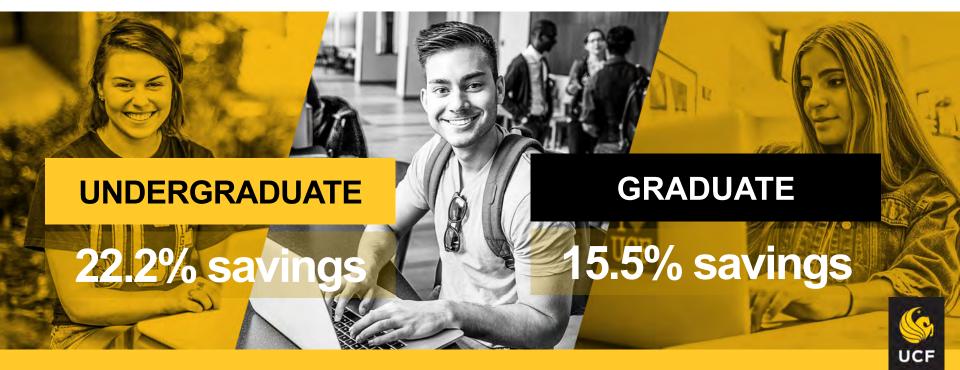
- Savings from Open Educational Resources (OER)
  - Fall 2019 Summer 2020 = \$1,041,467
  - Fall 2020 Summer 2021 = \$1,984,939
  - Fall 2021 (preliminary data) = \$894,123
- Savings from First Day Access
  - Spring 2019 Fall 2021: \$11,843,329
- Additional savings from Librarysourced materials





# **UCF Online Student Savings**

UCF Online students are limited to exclusively online courses and pay a reduced fee structure in exchange for restricted access to on-campus resources.





## Innovation

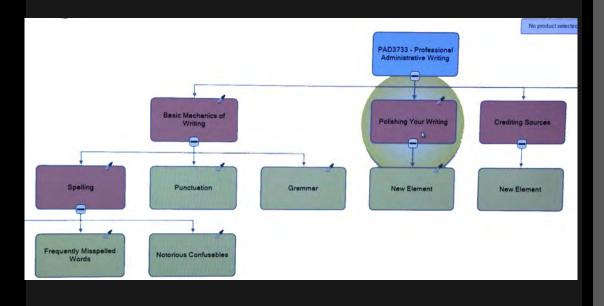
New and Redesign	ned Sections			Course Goals		
M+W						
		1521/50				
RA	10	25	40	50		
		27/50	7			
0 PAL Note: Incl	10 10 Iudes all instruction modaliti	25 es.	40	50		
		38/50				
0 ALL Note: Incl	10 10 ludes all instruction modaliti	25 es.	40,	50		
				1555/100		
0		25		50	75	100
Redesigned Section	ons Only					
M+W						
		98/50				
RA	10	25	40	50		
		24/50				
0 PAL Note: Incl	10 Iudes all instruction modaliti	25 es.	40	50		
		51/50				
O ALL Note: Incl	10 Iudes all instruction modaliti	25 es.	40	50		
				129/100		
0		25		50	75	100

### Digital Learning Course Redesign Initiative (DLCRI)

 Multi-year project sponsored by the UCF BOT to use digital tools and strategies to enhance curricula



## Innovation



Personalized Adaptive Learning (PAL) initiative

 112 Faculty Completed / Enrolled in PAL 6000 or PAL 5000 training courses since 2017



# Innovation: Other Initiatives & Outreach



The Teaching Online Preparation Toolkit (TOPkit) is a comprehensive resource that provides the postsecondary community with the essential elements required to ensure a very high quality online faculty development program.



The Blended Learning Toolkit is a free, open resource for educational institutions interested in developing or expanding their blended learning initiatives.



The Teaching Online Podcast (TOPcast) hosted by Dr. Thomas Cavanagh and Dr. Kelvin Thompson, is a monthly podcast for online and blended learning professionals conducted over strategies. a shared cup of coffee.



The Teaching Online Pedagogical Repository (TOPR) is a public resource for faculty and instructional designers interested in online improve student learning and blended teaching



NCAT was an independent non-profit organization dedicated to the effective use of information technology to outcomes and reduce the cost of higher education.









# **Innovation: Events**



## **Innovation: Online Tools**





## obojobo

















#### Innovation: Universal Design Online Content Inspection Tool

UDOIT enables faculty to identify accessibility issues in Webcourses@UCF. It will scan a course, generate a report, and provide resources on how to address common accessibility issues.

Via open source and a partnership with Cidilabs, approximately 100 adoptions of UDOIT by other institutions and systems across the country and world.



## **Innovation**

Hack Day expansion to multiple other participants across the university.





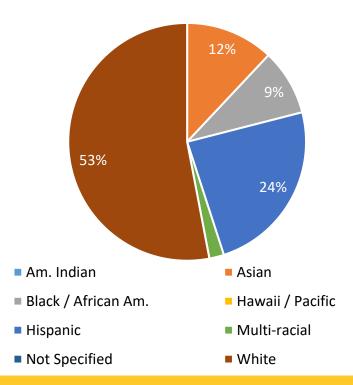
# ADDITIONAL INFORMATION

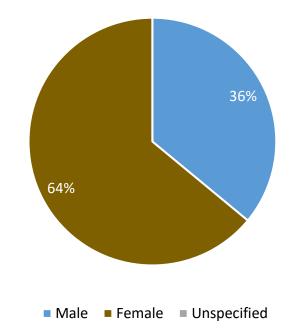


## Diversity, Equity, & Inclusion

#### DDL EMPLOYEE ETHNICITY

#### DDL EMPLOYEE GENDER







# Diversity, Equity, & Inclusion Activities

- Divisional seminars through the Professional Development Committee
- Regular awareness and highlighting of events/milestones through divisional communications (e.g., newsletters, Tom Talks, Difficult Conversations Seminar)
- Sponsor tables and staff attendance at university events such as International Week and the Black Faculty & Staff Mentoring Breakfast
- Support for individual research related to diversity & belonging, as well as support for individuals to serve as LGBTQ Allies
- Personal mentoring for multiple participants in the Leadership Empowerment Program (LEP), service on LEP panels, and support for individual team members to participate in the program



## **COVID-19** Response

- Led the university's successful course migration due to the 2020 COVID-19 pandemic to 100% remote instruction. In less than one week, facilitated the migration of 6,600+ blended/face-to-face sections to online delivery. UCF went from teaching 219,640 SCH completely online to 712,410.
- Led the conception, development, and deployment of UCF's BlendFlex delivery model, which enabled the university to deliver classroom instruction to hybrid students who participated both in-person and online.
- Oversaw the rapid development of new faculty development offerings (Essentials of Online Teaching (EOT), TLC-Z, Zoom workshops, etc.).
- Oversaw the teams responsible for rapidly training 400+ faculty in response to the pandemic in addition to extensive ad hoc support (approximately 1,000 individual faculty consultations, various workshops, etc.)
- Served as a primary institutional representative to the media, with numerous interviews conducted with local television affiliates for ABC, CBS, NBC, Telemundo, and Spectrum. Was also interviewed by the local NPR station, the Orlando Sentinel, the Orlando Business Journal, the Chronicle of Higher Education, and USA Today.



## Selected Board and National Leadership Service Highlights 2017-Present

- Board of Directors—IMS Global Learning Consortium / 1EdTech (2021-present)
- University Professional and Continuing Education Association (UPCEA) Council of Chief Online Learning Officers (2020-present; Chair 2022-2023)
- Pressbooks National Advisory Board (2020-present)
- IMS Global Higher Education Institutional Executive Board and Steering Committee (2016-present)
- Advisory Board: Digital Courseware in Context (CWiC) Quality Framework initiative (2016-2017)
- Advisory Board: EDÚCAUSE's Leading Academic Transformation (LAT) community (2016-2019)
- Co-program Chair—UPCEA annual conference (2021-2022)
- Subject matter expert for ELI's "7 Things You Should Know About Learning Analytics" (2017)
- State University System of Florida Online Strategic Plan Implementation Committee



