

Center for Research on Teaching and Learning Excellence Annual Report 2019-20



UNIVERSITY OF
TEXAS
ARLINGTON

CENTER FOR RESEARCH
ON TEACHING AND
LEARNING EXCELLENCE
OFFICE OF THE PROVOST

Imagining, Creating, Innovating the Future

Administration and Staff



Dr. Ann Cavallo

Assistant Vice Provost and Director CRTLE
Distinguished University Professor of Science Education
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Dr. Andrew M. Clark

QEP Director, and Associate Director, CRTLE
Associate Professor, Department of Communication
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Susan Dequeant

Associate Director, Center for Service Learning and Program Lead, MAFE



Dr. Beth Fleener

Senior Teaching Innovation Research Associate
Joined CRTLE Fall, 2020
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Dr. Nali Kim

Teaching Innovation Research Associate
Joined CRTLE Fall, 2020
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Lucinda Buhrkuhl
Program Coordinator

LINK Lab Staff



Dr. Justin T. Dellinger



Dr. Matt Crosslin



Barbara Crow



Dr. Goutam Sarkar



T. Lisa Berry

CRTLE Interns 2019-20



Shawn Sandlin
Department of English



Joshua Shin
Department of English



Ryan Hulla, Graduate Research Assistant
Department of Psychology

CRTLE Fellows 2019-20



Dr. Amy Austin,
Department of Modern
Languages



Dr. Melanie Sattler,
Department of Civil
Engineering



Dr. Subhra Mandal,
Department of Biology



Dr. Thomas Dombrowsky,
Department of Nursing

Activities

Graduate Student Conference on Effective Teaching



This interactive conference is designed specifically for all graduate students to learn, develop, and advance effective teaching skills in higher education. Topics included classroom management; effective teaching; and teamwork.



74 Graduate Student attendees

Majority were new teachers

Five interactive sessions

Classroom Management



We held two interactive sessions on how to effectively deal with a variety of student-teacher interaction issues and manage your on-campus and online classes. Along with CRTLE staff and Fellows, Dan Moore of the Office of Student Conduct and Officer Garry Douthitt of the UT System Police Department offered guidance and procedures if situations call for their intervention. One session was face-to-face (see picture), but the other in August was held via Teams and added online issues to the session.

Teacher-Student Interactions and Class Management in On-campus and Online Courses



Dr. Ann Cavallo, Assistant Vice Provost and Director
Dr. Andrew Clark, Associate Director and QEP Director
Dan Moore, Office of Student Conduct
Officer Garry Douthitt, UT System Police Department



Professional Development Seminars

Throughout the year we held many seminars. Some were for all faculty, some focused on topics for new faculty, while others were focused on graduate students. As we moved to online in spring 2020, these offerings were held via Teams. Among the topics covered were:

All Faculty	New Faculty	Graduate Students
<ul style="list-style-type: none"> Mentor program Questioning Class management Course alignment Hybrid course Engaging students, humanizing online instruction Assessment tools and techniques for STEM LinkedIn Learning Accessibility 	<ul style="list-style-type: none"> Mentor program Inquiry-based teaching Teamwork Questioning and Feedback Assessment 	<ul style="list-style-type: none"> Graduate student conference on teaching Questioning Teamwork Inclusive teaching

We played a leading role in training faculty with CDE and OIT as we moved online. Below are data illustrating some of our efforts during the transition in spring, 2020.

THE UNIVERSITY OF TEXAS AT ARLINGTON: Center for Research on Teaching and Learning Excellence (CRTLE) and Center for Distance Education (CDE)			
Moving Campus Courses to Online Training Sessions 3/16 - 3/20/2020		Moving Campus Courses to Online Training Sessions 3/23 - 3/27/2020	
Microsoft Teams Sessions	Attendees	Microsoft Teams Sessions	Attendees
Monday, March 16, 2020			
COLLEGE OF ENGINEERING	28	Access to Recordings on CRTLE Website from March 16	98
DEPARTMENT OF CIVIL ENGINEERING	45	COLLEGE OF ENGINEERING	22
COLLEGE OF SCIENCE	14	DEPARTMENT OF CIVIL ENGINEERING	17
		COLLEGE OF SCIENCE	137
	Total		Total
	87		137
Tuesday, March 17			
COLLEGE OF ARCHITECTURE, PLANNING, AND PUBLIC AFFAIRS (not recorded)	28	Access to Recordings on CRTLE Website from March 17	
COLLEGE OF LIBERAL ARTS	85	COLLEGE OF ARCHITECTURE, PLANNING, AND PUBLIC AFFAIRS (not recorded)	44
COLA, CAPP COURSES WITH STUDIOS	57	COLLEGE OF LIBERAL ARTS	26
		COLA, CAPP COURSES WITH STUDIOS	70
	Total		Total
	170		70
Wednesday, March 18, 2020			
DEPARTMENT OF BIOENGINEERING	23	Access to Recordings on CRTLE Website from March 18	2
		DEPARTMENT OF BIOENGINEERING	2
	Total		Total
	23		2
Thursday, March 19, 2020			
Access to Recordings on CRTLE Website from March 19		Access to Recordings on CRTLE Website from March 19	4
COS, COHNI, COE COURSES WITH LABORATORIES	24	COS, COHNI, COE COURSES WITH LABORATORIES	3
COLLEGE OF ARCHITECTURE, PLANNING, AND PUBLIC AFFAIRS	20	COLLEGE OF ARCHITECTURE, PLANNING, AND PUBLIC AFFAIRS	8
COLLEGE OF ENGINEERING	22	COLLEGE OF ENGINEERING	15
	Total		Total
	66		15
Friday, March 20, 2020			
Access to Recordings on CRTLE Website from March 20		Access to Recordings on CRTLE Website from March 20	8
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING	37	DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING	8
COLLEGE OF BUSINESS ADMINISTRATION	66	COLLEGE OF BUSINESS ADMINISTRATION	8
COLLEGE OF LIBERAL ARTS	12	COLLEGE OF LIBERAL ARTS	3
COLLEGE OF SCIENCE	19	COLLEGE OF SCIENCE	9
	Total		Total
	134		28
TOTAL ALL TEAMS SESSIONS	480	ACCESS TO RECORDINGS AND CRTLE WEBSITE - min. est.:	252
Echo360 Session	Attendees	Access to Recording on Echo360	Attendees
CAMPUS PREPAREDNESS FOR ONLINE COURSE DELIVERY	198	CAMPUS PREPAREDNESS FOR ONLINE COURSE DELIVERY	510
	Total		Total
	198		510
TOTAL TEAMS AND ECHO360 SESSIONS	678	TOTAL TEAMS AND ECHO360 SESSIONS	762
Individual Appointment Sessions	Attendees	Individual Appointment Sessions	Attendees
INDIVIDUAL APPOINTMENTS WITH CDE, CRTLE, CANVAS CHAMPIONS	112	INDIVIDUAL APPOINTMENTS WITH CDE AND CRTLE DESIGNERS Open Labs	10
EMAILS (CDE AND CRTLE COMBINED) AND SUPPORT TICKETS	219	EMAILS (CDE AND CRTLE COMBINED) AND SUPPORT TICKETS	133
	Total		Total
	331		143
TOTAL TEAMS, ECHO360, & INDIVIDUAL TRAINING SESSIONS	1009	TOTAL RECORDING, ECHO360, AND INDIVIDUAL TRAINING SESSIONS	1157
Zoom Sessions	Attendees	Zoom Sessions	Attendees
Canvas Online Course Delivery, Tuesday, March 17, 2020		Canvas Assignments and Gradebook, Tuesday, March 24, 2020	
9:00 AM	59	New Session	2
1:00 PM	62		
	Total		Total
	121		2
Canvas Online Course Delivery, Wednesday, March 18, 2020		Canvas Conferences, Tuesday, March 24, 2020	
9:00 AM	67	New Session	1
1:00 PM	41		
	Total		Total
	108		1
Canvas Topics, Thursday, March 19, 2020		Canvas Quizzes and Lockdown Browser, Wednesday, March 25, 2020	
Discussion Boards	47	New Session	6
Assignments	31		
	Total		Total
	78		6
Canvas Topics, Friday, March 20, 2020		Studio Video in Canvas, Thursday, March 26, 2020	
Conferences	71	New Session	2
Quizzes	60		
	Total		Total
	131		2
TOTAL ZOOM CANVAS TRAINING SESSIONS	438	TOTAL ZOOM CANVAS TRAINING SESSIONS	11
Total Faculty Trained Week 1 Campus Shutdown	1447	Pivot to Online MOOC - UTA Faculty Enrolled	13
		Total Faculty Trained Week 2 Campus Shutdown	1181
		TOTAL FACULTY TRAINED/TRAININGS (TWO WEEK ESTIMATE)*	2628

*Faculty members may have attended more than one training or accessed the same training multiple times

Canvas Courses

Due to the pivot in spring 2020 to online instruction we developed two Canvas courses to help faculty transition with effective online practices, and to prepare faculty for a move to hybrid instruction.

Effective Online and Hybrid Course Design Courses and Live Discussions

Discussions

- 7/10/2020 - 33 attendees
- 7/17/2020 - 26 attendees
- 7/24/2020 - 19 attendees
- 8/28/2020 - 16 attendees

Online Canvas Course

- 164 total registrants

Hybrid Canvas Course

- 147 total registrants



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Effective Online Teaching Course with Certificate

The Effective Online Teaching Short Course guides faculty in creating effective online courses in any discipline using Canvas tools and other resources. Faculty will learn techniques, strategies, and tools to design online courses that engage students, humanize instruction, effectively measure student learning, and more.

Hybrid Teaching Design Course with Certificate

The Hybrid Teaching Design Course in Canvas engages faculty in learning effective practices and creating high-quality hybrid design courses for teaching. The course will address topics such as synchronous and asynchronous designs as well as lab/studio and assessment practices.





Engaging the Community: Summer Seminar Series

Creative Escapes During COVID-19

During the summer of 2020, The Center for Research on Teaching and Learning Excellence (CRTLE) designed a Microsoft Teams Live event series to showcase outstanding UTA faculty members and their work, providing stimulation, education, and entertainment during this period of uncertainty. UTA faculty, students, staff, alumni, and the community were welcome to join.

317 faculty, staff, and community
members attended across all sessions

5 key topics
11 faculty presenting research

Creative Escapes: Art, Literature, and Music

Presenters: Dr. Amy Austin, College of Liberal Arts; Dr. Jacqueline Fay, College of Liberal Arts; Dr. Laura Bennett Cameron, College of Liberal Arts

Creative Escapes: Design and Place Making of Buildings and Landscapes

Presenters: Dr. Hyesun Jeong, College of Architecture, Planning and Public Affairs; Professor David Hopman, College of Architecture, Planning, and Public Affairs

Creative Escapes: Understanding the Mind and Care for Mental Health Presenters: Dr. Paul Paulus, College of Science; Professor Kiva Harper, School of Social Work

Creative Escapes: Fitness, Health, and Nutrition

Presenters: Dr. Stephen Newhart, College of Nursing and Health Innovation; Dr. Thomas Dombrowsky, College of Nursing and Health Innovation

Creative Escapes: Science as a Verb for Science Teachers and Engineering Design

Presenters: Dr. Greg Hale, College of Science; Dr. Melanie Sattler, College of Engineering

Feedback

We received positive feedback for the various events we developed, presented and/or sponsored. Below is a sample from the Creative Escapes series.

Providing insightful and useful information

1	0	0%	<div style="width: 0%;"></div>
2	0	0%	<div style="width: 0%;"></div>
3	5	8.77%	<div style="width: 8.77%;"></div>
4	10	17.54%	<div style="width: 17.54%;"></div>
5	42	73.68%	<div style="width: 73.68%;"></div>
Total	57	100%	

Great session! Thank you for offering different types of learning sessions.

This was a great idea. If possible, it would be nice to do every semester. My only criticism was about faculty info, which may have been there and I did not notice. Thanks!

Was better than expected and I've shared it with others.

I preferred group discussion more than just presentations. It was helpful but it could be more helpful if there was a group discussion or a panel of speakers rather than only one speaker.

It was informative and fun. Please do it again!

The range of topics was appreciated and the presentations were exceptional. Please do more!!

Please do it again. It was informative and fun. It's nice to see fellow colleagues give a talk on their subject.

I especially enjoyed the first program and Dr. Bennett Cameron's presentation

I would have listened to all of them but I got too busy. They were not at the most convenient time.

Enjoyed Creative Escapes, thank you!

The ones I attended were very interesting and a nice break from everything else going on. I hope you continue to do them.

Overall, I loved the Creative Escapes series. I hope the university continues to host such series in future summer and winter holidays. Some suggestions: Bring more diverse topics and more engaging speakers that can inspire people to do stuff beyond their regular routine.

Thank you for providing the recordings--- I plan to take advantage of the recordings. I could not attend all sessions.

Telecommuting has provided me the opportunity to join in on sessions that I could only ever attend during my lunch hour. I thoroughly enjoyed myself and learned quite a bit. I look forward to making my own ceviche dish!

The session was great and it would be helpful if they continue.

I enjoyed the variety of disciplines and topics represented along with different ideas/activities suited for different age groups (adults such as landscape and design, etc. and young children/young adults such as fun experiments, etc.)

I appreciate the variety of content.

I thought they were nicely done and quite relevant for this time. It was a nice range of topics.

Dr. Laura Bennett Cameron's classical music presentation was especially good-- she was knowledgeable, poised and engaging, and the content she provided was perfect for a classical music overview. Very interesting. THANK YOU.

Seed Grants

The CRTLE and QEP Research Seed Grant Competition supports research that seeks to better understand and advance excellence in teaching and learning and that focuses on the assessment and enhancement of teamwork.

CRTLE Research Grant Awards

- Mary Curtis and Candace Joswick, College of Education, *Post-Secondary Educators' Self-Reported Classroom and Pedagogical Changes Post-COVID-19*, \$5,000
- Melissa Hulings, College of Education, *Self-efficacy in Elementary Science: What Impact Does the Classroom have on Early Career Teachers*, \$2,500
- Bonnie Boardman and Caroline Krejci, College of Engineering, *Simulation of Production and Inventory Control using the Computer Game Factorio*, \$5,000
- Karabi Bezboruah, College of Architecture, Planning and Public Affairs, and Peggy Semingson, College of Education, *An Examination of Learning Effectiveness in Online Graduate Programs*, \$5,000
- Nicholas B. Pollock, College of Science, *Learning Efficiency and Student Perceptions of Teaching Labs in Anatomy and Physiology: Hybrid versus Traditional Style*, \$2,500

QEP Teamwork Research Grant Awards

- Aida Allen. College of Science, *Project- and Service- based Learning to Enhance Teamwork, Sense of Belonging, and Career Application of Mathematics among Business Math Students at the University of Texas at Arlington*, \$2,500
- Saltanat Childress, Rachel Voth Schrag, Karla Arenas-Itotia, and Tracy Orwig, School of Social Work, and Thomas Dombrowsky, Jackie Michael, and Jenny Roye, College of Nursing and Health Innovation, *Developing and Implementing Inter-professional Education on Screening, Risk Assessment, and Safety Planning for Gender-based Violence (GBV) among Nurses and Social Work Students: Using Live and Online Simulation*, \$5,000
- Amanda Olsen and Candace Joswick, College of Education, *Teaching and Learning Qualitative, Quantitative, and Mixed Methods Data Analysis Techniques in an Education Master's Program: An Online Team-Based Learning Approach*, \$5,000
- Grace Ellen Brannon, College of Liberal Arts, Liwei Zhang, College of Engineering, and Monica Zhan, College of Liberal Arts, *Teamwork Perceptions and Processes in Engineering Students: Testing the Effectiveness of a Team-based Cooperative Learning Intervention*, \$5,000

\$37,500 in seed grant funds awarded to **20** faculty

representing **7** colleges and schools

Programs



Collaborate UTA, provides undergraduate students with a competitive edge by assessing and enhancing a key skill that employers desire: teamwork.

Through the creation of a [Student Teamwork Guide](#), development of [Professional Learning Communities](#), and a [Seed Grant Program](#) to promote research, faculty and staff are working to develop innovative and effective ways to enhance and assess teamwork in the classroom and prepare our students for success both during, and after their time at UT Arlington.



The **Maverick Advantage Faculty Engagement (MAFE) Program** engages, educates, prepares, and supports faculty on understanding what the Maverick Advantage is. It encourages faculty to integrate one or more of the Maverick Advantage activities into their academic courses, thereby giving students the opportunity to obtain Maverick Advantage experiences within their academic coursework.

CENTER FOR SERVICE LEARNING

Service learning integrates community service into academic coursework, whereby students engage in classroom activities and reflection related to the performance of local service projects within the course.

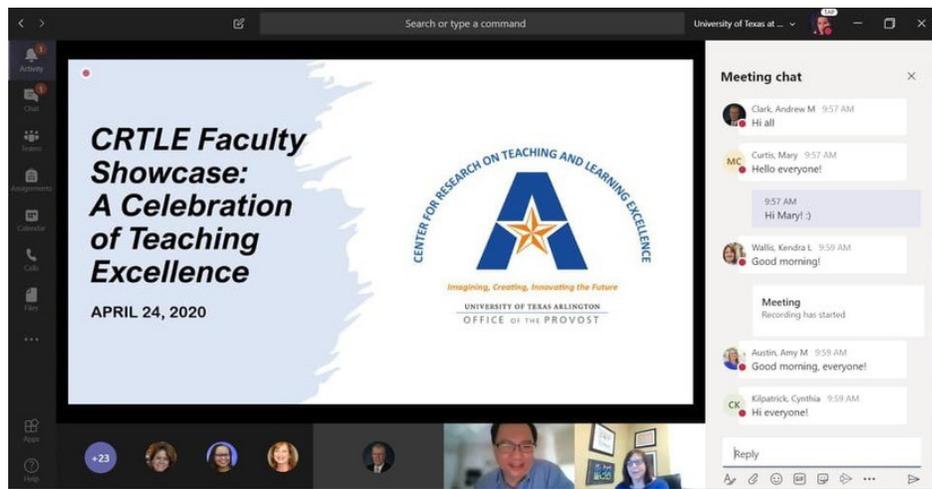
More than a volunteer opportunity, service learning benefits both the student and the community partner through reciprocity of needs, which furthers the students' educational goals while promoting civic responsibility.

From focused collaboration with classmates and the community partner, to practical, real-world application, along with reflection and assessment, the learning process becomes a much richer and more well-rounded experience

CRTLE Faculty Showcase

We had a fantastic session with our Faculty Fellows sharing their work and best teaching practices in our celebration of teaching excellence. We had over 70 attend the event!

Files on unique and innovative teaching are posted by Faculty Fellows in our various programs at the Showcase Teams site including: CRTLE, IDEAS, MAFE, PLC, and CSL. Access these files along with the recording and other documents by visiting the site:



5 programs; 1 Center; 70 attendees

All contributing to student success!



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