

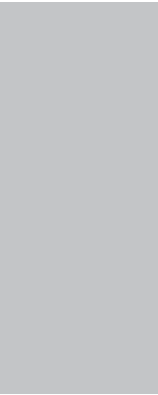


TEXAS A&M UNIVERSITY AT QATAR  
Center for Teaching & Learning

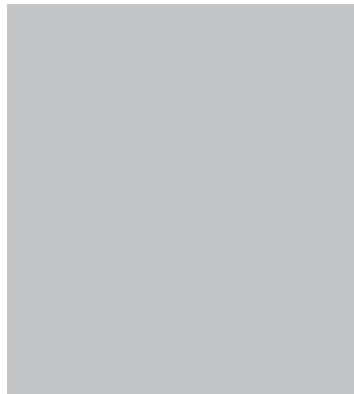


Annual Report  
**2019/20**





## Center for Teaching & Learning



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# Introduction



**Dr. Ashfaq Bengali**  
*Executive Director*



**Dr. Bilal Mansoor**  
*Director*



**Dr. Mysti Rudd**  
*Director*

During AY 19-20, the CTL continued to provide opportunities for faculty to innovate in their teaching, and for students to enrich their academic and professional skills. Our faculty and teaching staff were provided with time, space, and funding to pursue innovative pedagogy and to develop transformative learning experiences for their students. In 2019, Teaching Week was headlined by Dr. Saundra McGuire, recipient of the 2006 Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring, who delivered a keynote address “Teach STEM Students How to Learn” and conducted a variety of workshops for faculty, peer tutors, and undergraduate students.

The CTL also delivered high-impact student-centered programming in support of our institution’s core mission of graduating engineering leaders. Supplemental Instruction (SI), a new initiative to support student learning in historically difficult core courses, was launched on a pilot basis during Spring ’20 and, based on a positive outcome, continued in the summer and will be expanded to cover more courses in Fall ’20. To enrich the professional development of our students and to prepare them for leadership roles in their career of choice, our co-curricular offerings were redesigned in AY19-20 with a focus on three main areas of competency: management and leadership, emerging engineering technologies, and innovation and entrepreneurship.

In AY 19-20, we made a carefully considered and conscious effort to broaden our impact beyond Texas A&M at Qatar. Our engagement with the Qatar Teaching and Learning Forum (QTLF), a cross-campus initiative designed to promote conversations about pedagogy in Education City, represents one of the ways by which Texas A&M at Qatar is aiding Qatar Foundation’s “multiversity” initiative. In Summer ’20, we opened up our professional development courses to students across Education City resulting in a record number participating in CTL sponsored programming.

We’d like to end by recognizing the efforts of our faculty, teaching staff, and students as they adjusted to a new (for TAMUQ at least) learning paradigm as a result of COVID-19. We are also very proud of the CTL staff in assisting with this transition. Our strength comes from connecting passion with purpose, and we hope to continue to serve the teaching and learning needs of our community with professionalism and enthusiasm well into the future.

# Overview of Services



# Highlights

Summer support for

4  
Faculty

\$63,850  
Awarded  
to 5 TEE Projects

10  
Undergraduate  
Researchers

Participation of all

4  
Engineering  
Programs



Transformative Educational Experience grants recipients presenting their project results during Teaching Week 2019

Each year, the CTL awards transformative educational experience (TEE) grants. The year-long projects funded by the grants involve creating high-impact educational experiences\* for students.

This was the first cycle to formally encourage the involvement of undergraduate researchers. The CTL also, for the first time, identified core areas grant applicants could focus on: multiversity initiatives (collaborations with other QF partner universities), project-based learning (PBL), and first-year experience (FYE).

\* for more, see the Association of American Colleges and Universities' **High-Impact Educational Practices: What They Are, Who has Access to Them and Why They Matter.**

Transformative Educational Experience grants recipients presenting their project results during Teaching Week 2019



## Transformative Educational Experience Grant Winners 2020

**Multi-dimensional project based learning on understanding petrophysical properties by utilizing image processing and 3D printing**

**Focus Area:** Project-based Learning (PBL)

*Dr. Nayef Alyafei '09 (PETE)*

**Howdy-Learning-Journal, a Transformative Learning Tool for Freshman Students**

**Focus Area:** First Year Experience (FYE)

*Sahar Mari (CTL), Dr. Nayef Alyafei '09 (PETE)*

**Meaningful Undergraduate Writing Projects in Education City**

**Focus Areas:** Multiversity and FYE

*Dr. Mysti Rudd (Liberal Arts),*

*Kelly Wilson (Northwestern University in Qatar)*

**iMajlis: Providing Web Based Tools for a Cross-Curriculum Learning Experience**

**Focus Area:** PBL, FYE, Multiversity

*Dr. Bing Guo (MEEN), Dr. Hussein Alnuweiri (ECEN),*

*Lovai Shipchandler (IT)*

**Product[X] Challenge**

**Focus Areas:** PBL

*Dr. Ma'moun Al-Rawashdeh (CHEN),*

*Dr. Dhabia Al-Mohannadi (CHEN),*

*Dr. Konstantinos Kakosimos (CHEN)*

125

Instructional consultations for faculty and teaching staff

813

Contact points with members of TAMUQ community

10

Workshops conducted for faculty and teaching staff

64 out of ~80 active faculty members interacted with us

105

Writing Across-Curriculum Consultations

Delivered professional development short courses to  
**39%**  
of TAMUQ's total degree-seeking students

**16**  
ILM Endorsed certificates were awarded



**25**  
Training Courses  
**14**  
Professional Development  
**6**  
Courses led by industry experts



**5**  
Webinars to all EC students with **78** attendees (COVID-19 initiative)

**473**  
Certificates  
**209**  
Unique students

*"The CTL professional courses are an amazing part of the university. I love it so much. It gives us something knowledgeable in between all the breaks."*

*"Thank you for effectively and professionally working on improving this important side of building strong future Engineers. I am actually so blessed that I attended these courses before graduation."*

*"Everything was amazing in this professional development course. I loved the way it was delivered. It was fun, and we learned new things."*

*"It is very informative and gave me an insight on how projects in real life differ from those in the university. The courses gave us a real world experience from expert people."*



**1,602**

Tutoring appointments conducted by **14** peer tutors and **3** Writing Consultants

**228**

Unique tutoring clients

**85**

In-class Workshops for **1,531** total student participants



**133**

Supplemental Instruction (SI) study sessions delivered by **6** SI leaders to **759** participants

**41%**

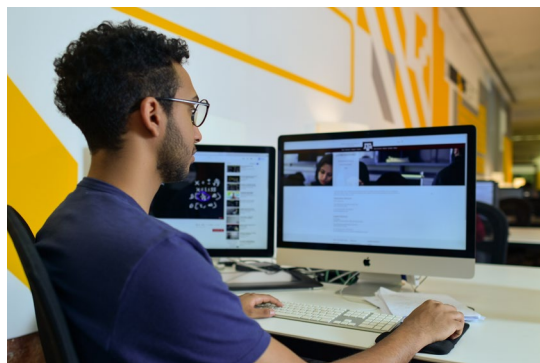
of undergraduates

**173**

Academic Coaching appointments

“ I was able to gain help for the subjects in the way I want. The tutors did an excellent job of customizing their teaching to what I needed at that time.”

“ We got useful feedback on our group poster, which was one of the main reasons why we scored high on the presentation and poster design.”



“ They are accommodating, encouraging, and give me a motivating vibe to continue working and studying and do my best.”

“ My SI leader was very concerned about my learning, and she was outstanding in explaining the concepts which I was not clear with. Maybe included on the highlights together with the impact numbers.”

## Visitors



**Dr. Saundra McGuire**

### Teaching Week 2019

Each year, Teaching Week engages faculty and teaching staff in various teaching and learning activities including talks, pedagogical workshops and discussions about common teaching concerns. In 2019, the CTL was privileged to have as the keynote speaker, **Dr. Saundra McGuire**, Director Emerita of the Center for Academic Success and retired Assistant Vice Chancellor and Professor of Chemistry at Louisiana State University. Her keynote was “Teach STEM Students How to Learn: Motivation, Mindset and Metacognition are the Keys.” She also conducted a variety of workshops for faculty, peer tutors, teaching staff, and undergraduate students.

### Multiversity Initiatives

The Qatar Teaching and Learning Forum (QTLF) is a cross-campus initiative designed to promote conversations about pedagogy in Education City (EC). The CTL identified and invited new TAMUQ faculty to interact with their peers at a fall social hosted by the QTLF. Later in the fall, **Dr. Amy Hodges**, Writing Across the Curriculum Coordinator at the CTL participated in the QTLF panel “Encouraging Authenticity in Student Writing” that was attended by over 40 faculty across EC. In response to emergency remote teaching, the QTLF hosted a Zoom meeting “Maintaining Engagement in an Online Environment” with 30 TAMUQ members attended.



**Samantha Shields**

## Collaboration with TAMU Center for Teaching Excellence

The CTL continues to collaborate with the Center for Teaching Excellence (CTE) at TAMU, College Station. Counterparts stay in regular contact and exchange information as necessary. In Fall 2019, the CTL hosted **Samantha Shields**, Instructional Consultant at the CTE, to conduct workshops for faculty and teaching staff, as well graduate students, on our campus. Topics included active learning in engineering as well as project-based learning.

## Best Writing 2019



The CTL launched the sixth volume of **Best Writing**, the annual anthology of writing composed primarily by undergraduate students at Texas A&M University at Qatar. The 2019 title *A Thousand Ways to Begin* was chosen to honor the one-thousandth graduate who walked the university stage since the campus opened in 2003. This volume includes 56 pieces, many of them being poems, stories, and essays about beginnings. A three-part Best Writing Studio Series of workshops was held to also encourage staff members to write down and share their stories. The book reception was held on September 26, 2019, with over 120 attendees.

## Engaging Education City Community

The CTL launched the '**ITHRAA**' **Webinar Series** during Summer '20. The series was open to all Education City branch campuses and a total of 78 students from TAMUQ, CMUQ, GUQ, NUQ, and HBKU participated in five different interactive webinars. These were facilitated by international experts and explored various professional development topics.

# Academic Skills

## Piloting Supplemental Instruction (SI)

In Spring and Summer semesters of 2020, the CTL piloted Supplemental Instruction (SI), a well-established international program aimed at helping students succeed in courses that have traditionally been difficult. The pilot program focused on 5 historically difficult courses at TAMUQ (see table).

To support these courses, 2 to 3 study sessions were held per week, led by undergraduate students who previously did well in the course and had strong professor recommendations. These SI leaders attended current class meetings of the course and also met weekly with the instructor teaching the course. In addition to this preparation, SI leaders participated in weekly trainings conducted by **Joelle Fadlallah** where they learned how to guide discussions on difficult concepts, promote critical thinking, and create an interactive learning environment.

The pilot program will be expanded in Fall 2020 as it proved to be very successful according to the following evidence:

- There were significant levels of student participation (ranging from 24 to 43% of total students enrolled in each course).
- Test scores of participants who came to at least 4 study sessions exceeded the class average in each of the piloted courses.
- Students surveyed at midterm and end-of semester reported they were likely to use SI in the future.

Course	Number of Sessions	Total Participants	Unique Participants	Number of Enrolled Students	% of participation
MATH 152	28	111	14	58	24%
MATH 251	36	192	28	65	43%
MATH 308	12	189	32	128	25%
PHYS 206	30	197	25	91	27%
CHEM 107	27	70	6	19	31%
7 professors +2 lab coordinators	133	759	105	361	Average: 29%

Student Participation in SI Pilot Program, Spring and Summer 2020



“As a student who is continuously doubtful and self-critical, this was an oddly new enjoyable experience. Through the SI tutoring sessions, I have overcome the nervousness of presenting, improved my explanation skills, and enhanced my social perceptiveness. Moreover, the expression of comprehension on the tutee’s face was an extremely uplifting feeling that made me realize my unknown admiration for tutoring. I’d like to thank Dr. Weston for believing in me and pushing me. It was a learning experience for me as much as it was for the students.”

**Seham Al-Baker '22,**  
*Mechanical Engineering*



**Dr. Anthony Weston,**  
*MATH 308 Professor*

“The positive effect of SI leader Seham Al-Baker on the students was immediately palpable. Students were highly receptive to Seham and the results on the first and only in-class midterm exam exceeded my expectations by a considerable margin. The students suddenly wrote their solutions to problems with a maturity and literacy that had been absent in Math 251. Then the pandemic hit and everything changed. Nevertheless, attendance at Seham’s online SI sessions remained rock solid. Students wrote very favourably of Seham on the SI survey that was given toward the end of the semester. Notably, not only weaker students attended Seham’s SI sessions. For example the best performing student in Math 308 attended all of Seham’s sessions. I think this is an important point: SI’s can help all students do better in their courses! This is not just something for underperforming students.”



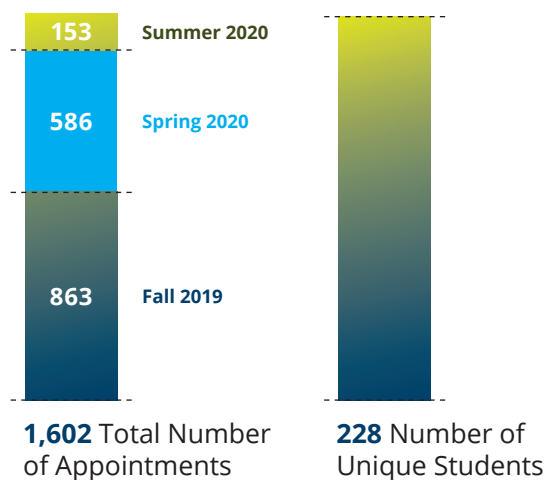
“The CTL, to me, is a blessing. It is a place where you can find both friends and clear your doubts. The main attraction in the CTL is how no one judges you for the amount you lack; instead, they help you become more aware of the subject you need help in.”

“I started going to the CTL in Fall 2019 because there was a subject that I couldn’t comprehend. I hoped they would help me understand the content in a much simpler and effective form. Just as I thought, the peer tutor was so friendly to me, and she taught me the complicated theories by relating them to a story. For another subject, the tutor gave us practice questions so that we could be comfortable with the application of the theory. I think the tutors in the CTL, despite being students, are stunning in the work they do. They help you in multitudes. I learned how to operate a video editing software all on my own. Further, I learnt that knowing theory to perfection is futile unless you know how to apply it. My physics tutor reassured this to me, which made me do more questions and resulted in my getting great grades in physics.

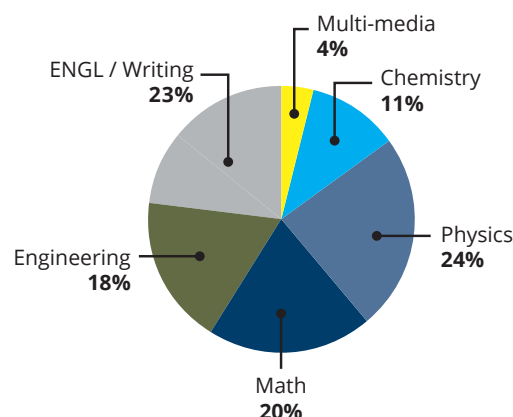
Most importantly, the CTL has awarded me a safe, friendly environment in which to ask for help. For the care extended to me by the peer tutors, plus the writing and multimedia consultants, I am grateful for the CTL.”

**Vishmi Singhapura '23,**  
*Chemical Engineering*

## Building on the Popularity of CTL'S Peer Tutoring

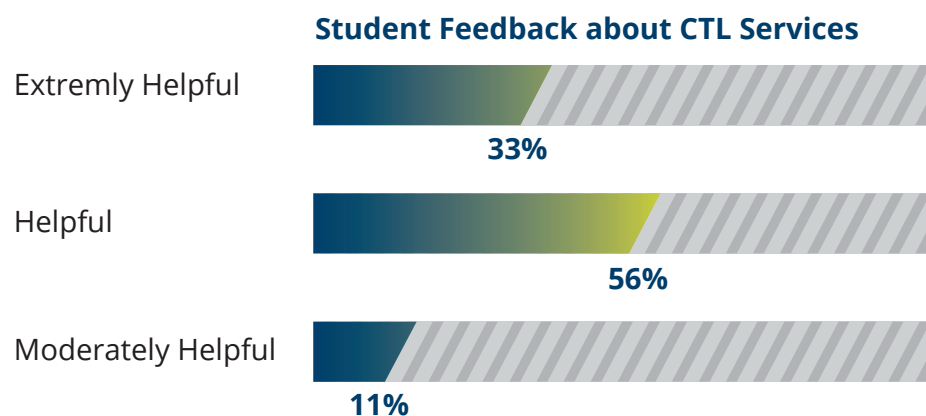


## Tutoring Appointments by Academic Subjects



## End of Term Student Feedback

Almost **90%** of the survey respondents reported that the services were **helpful** or **extremely helpful**.



## Providing Continuity of Support for Online Learning

As a result of the unexpected move to remote teaching on March 12th, multi-media expert **Sahar Mari** led training sessions for the CTL staff to swiftly shift all student learning support services online. Tutoring, Supplemental Instruction (SI), workshops, presentation feedback, and academic coaching appointments were then conducted via Zoom. Moving services online attracted many new student users, with tutoring and SI sessions extending to evening hours in response to student preferences. Several students seeking academic coaching or one-to-one tutoring appreciated the greater privacy that online sessions offer.

## Honing Student Engineers' Presentation Skills

In **AY 2019/20**, the CTL conducted a total of **85** workshops in support of students enrolled in **19** different courses reaching **1,531** participants — a **57%** growth in number of workshops and **61%** growth in number of participants over the previous academic year. Content of these workshops ranged from practicing team building to facilitating peer review to editing videos.

The CTL more than doubled the number of workshops specifically designed to help students hone their presentation skills from **22 in AY 2018/19** to **54 in AY 2019/20**.

Throughout Spring 2020, the CTL supported **MEEN 381** and three sections of **ENGR 216** to help students practice and improve their presentation skills. With the shift to online learning, students presented in different formats, including live Zoom presentations and prerecorded PowerPoint group presentations, which allowed them to practice their communication and professional skills. In turn, CTL consultants reviewed live presentations and recorded audio feedback for prerecorded presentations.



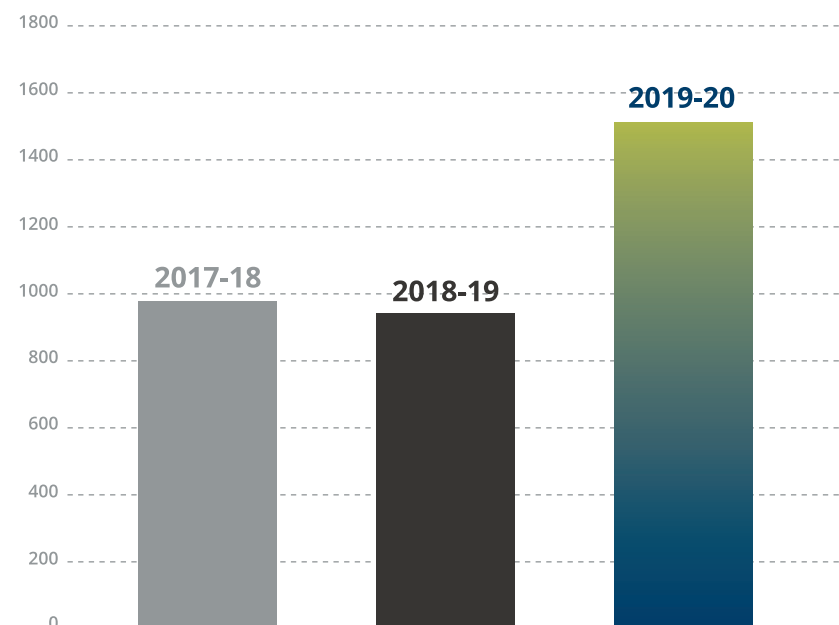
**Dr. Eyad Masad,**  
MEEN 381 Professor

“My students and I benefited greatly from the engagement of the CTL staff in the seminar course. The CTL support started from the very beginning of the course in the development of a rubric for evaluating students’ papers and presentations. A team of professionals conducted an interactive workshop for students on the preparation and delivery of effective presentations. Their efforts continued by actively participating in providing excellent feedback to students in their final presentations. It was a productive partnership as students benefited from the technical input of the course instructors as well as from the high-quality feedback from the CTL staff on the structure and style of presentations. The CTL staff is highly professional and they have the students’ learning as their top priority.”

### In-class Workshops Provided by Semester

AY 2019-20	Total number of workshops	Contact Hours	Number of participants
Fall 2019	27	30	385
Spring 2020	40	61.5	814
Summer 2020	18	17.5	332
<b>Total</b>	<b>85</b>	<b>109</b>	<b>1531</b>

### Total Number of Workshop Participants by Academic Year



### Providing in-class Workshop Support



# Technical & Leadership Skills

The CTL offers programming to enrich students' technical, managerial, and leadership skills beyond the core engineering curriculum.

Increased collaboration with TAMUQ faculty, industry partners, and thought leaders in Qatar, bridged the gap between academic and real world knowledge.

**28** students participated in a Business Ethics course offered by H.E. Dr. Mohammed bin Saleh Al Sada, Former Minister of Energy & Industry State of Qatar



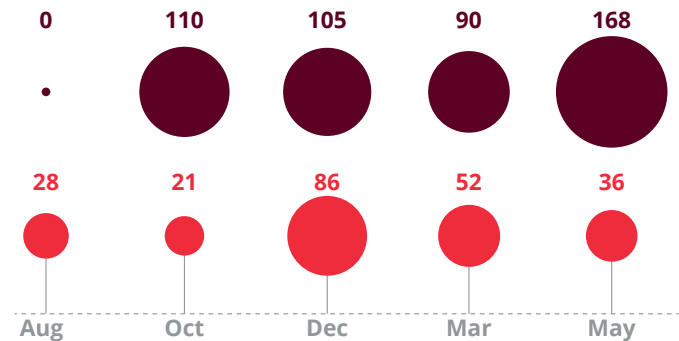
- **18** students participated in **General Electric's** aviation on-wing support learning experience
- **18** students completed an intensive "Project Management" course (4 weeks virtual and 1 week face-to-face) with **Tafawoq; Qatar Shell**
- **16** students participated in Aggies Mixed Reality workshop conducted in collaboration with **Dr. Konstantinos Kakosimos** and **TASMU innovation lab**
- Offered courses in emerging engineering fields; COMSOL Multiphysics, ProMax, Cybersecurity, and Internet of Things
- Collaborated with **CISCO Net Academy** to offer asynchronous and synchronous courses endorsed by CISCO. This was one of the highest enrollments since the inception of the program (168).

**22** students, including TAMUQ alumni, attended "Motivation and Workplace Empowerment" led by the Professor of Practice and Director of ENGR[x] in main campus, **Dr. Shayla Rivera '83**

**Invent for the Planet** - February 2020 (Piloted by College Station); a 48-hour intensive design experience engaged **29** students from different disciplines in TAMUQ and other Education City branch campuses who competed with students from **40** countries around the world.

## Training Cycles Statistics

AY 18/19 vs AY 19/20

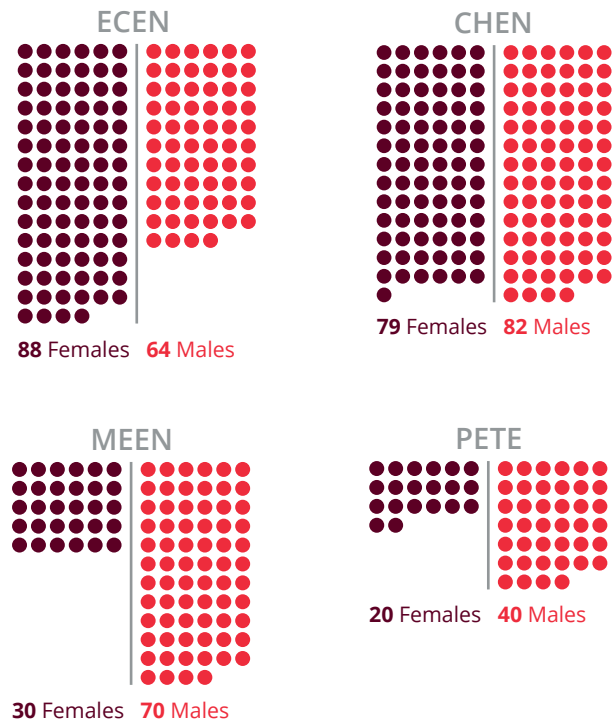


Student enrollment in the CTL's professional development courses organized by **Lana El-Ladki** increased despite COVID-19; courses were offered virtually, both synchronously and asynchronously.





## Number of Participants per Major & Gender



## Feedback Surveys

### End of Training Cycles Survey Results AY 2019/20

Satisfied with the overall quality of the course



Valued the importance of professional training courses



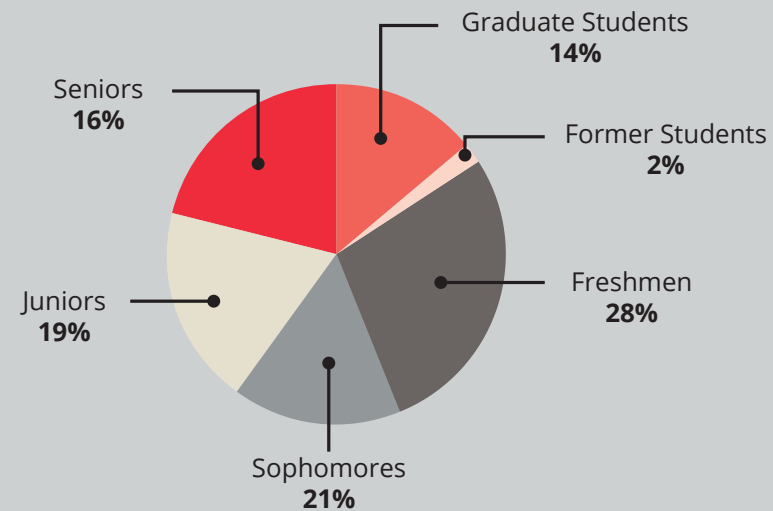
Great learning experience; from knowledge, skills, support, and hands-on



Highly recommend courses to others



## Participants by Classification



“CTL’s Enrichment Courses gave us the opportunity to learn new skills outside of the classroom! Not only did these courses help me grow my network at their various events and workshops, but helped ease my transition to university life as it would offer introductory courses for the classes I am about to take and gave me a foundation to build my knowledge on. I highly encourage everyone to participate in these courses as there’s always something meaningful that you can take away from them!”

**Hassan Khan '22,**  
*Mechanical Engineering*

“My name is Beena Debnath, Class of 2023, majoring in Chemical Engineering. Being in TAMUQ, I have not only inculcated knowledge on my study interest, but also many more skills including soft, creative and emotional skills. I was able to do that by registering for various engineering enrichment courses held during the breaks such as Creative communication for Engineers, Empowerment and Workplace Motivation, Ideation – Lego Serious Play, Engineering Leadership for Emerging Leaders and many more. During my freshman year and with the whole studying being online, these courses have really helped me motivate and grow my personality. Moreover, these courses helped me not only to come out of my comfort zone, but also share thoughts with people who might have the same issues.”

**Beena Debnath '23,**  
*Chemical Engineering*

“Center for Learning and Teaching at TAMU-Q is a place to be! Where you can find an amalgamation of fun and learning!

Within the first year of my Graduate studies, it has groomed me with not only the professional skills required in the industry like IOSH certifications and several teaching courses, but also soft skills for professional development such as negotiation techniques and leadership workshops.

From my industrial experience, I can definitely say the CTL is doing a wonderful job in grooming us to be the future leaders of Qatar! ”

**Muhammad Jamil,**  
*Graduate Student*

### What students like the most about CTL’s technical & leadership courses?



## List of Technical & Leadership Courses AY 2019/20



Cycle	Course Title
October'19	CNC Laser Cutting (1 Day)
	COMSOL Multiphysics (3 Days)
	Business Ethics by Dr. Al-Sada (2 Days)
	Creative Communication for Engineers (LSP-1 Day)
December'19	Managing Safely - IOSH (3 Days)
	Empowerment & Workplace Motivation (1 Day)
	Negotiation Skills (2 Days)
	Managing Safely - IOSH (3 Days)
	SOLIDWORKS (3 Days)
	Ideation (LSP - 1 Day)
	Engineering Leadership for Emerging Leaders - ILM endorsed (2.5 Days)
	Introduction to Arduino Board (2 Days)
ProMax (2 Days)	
March'20	Aggies Mixed Reality Workshop (2 Days)
	Basic Well Control (2 Days)
	Contributing to Projects - Tafawoq; Qatar Shell (Virtual & face-to-face, 4 Weeks)
	Data Analysis Tools (1 Day)
	GE Experience-Led Training (1 Day)
	Working Safely - IOSH (1 Day)
E-May'20	Effective Time & Task Management (Synchronous)
	Introduction to Cybersecurity (CISCO) - Asynchronous
	Introduction to IoT (CISCO) - Asynchronous
	Get Connected (CISCO) - Asynchronous
	Enterprise Risk Management for Organization (QG) - Synchronous
	Finance for Engineers (Dean) - Synchronous

# Faculty Development

The CTL supports and encourages faculty and teaching staff in the development of innovative, student-centered methodologies to improve learning. It does this through instructional consultations, workshops and talks for faculty and teaching staff. Support comes in the form of low-time investments such as Lunch 'n Learns (one-hour discussions on a particular topic) to longer term investments, such as course redesign.

With the move to emergency remote teaching, the CTL became a sought after source of guidance as well as a platform for instructors to discuss their concerns and share ideas.



Dr. Nayef Alyafei '09, recipient of the 2019 Distinguished Achievement College level Award for Teaching from the Texas A&M University Association of Former Students.

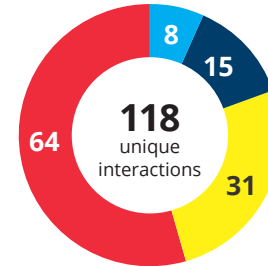
## Course Redesign

With support from the CTL, three faculty participated in the course redesign cycle. Supported by the Instructional Consultant, faculty work on aspects of their course including clarifying course outcomes, rethinking assessment methods and introducing new learning activities.

**Dr. Brittany Bounds**  
*Instructional Assistant Professor of History, Liberal Arts*  
HIST 230 American Military History

**Dr. Konstantinos Kakosimos**  
*Associate Professor, Chemical Engineering*  
CHEN 304 Chemical Engineering Fluid Operations

**Dr. Stylianos Tzortzakis**  
*Professor of Physics, Science*  
PHYS 221 Optics and Thermal Physics

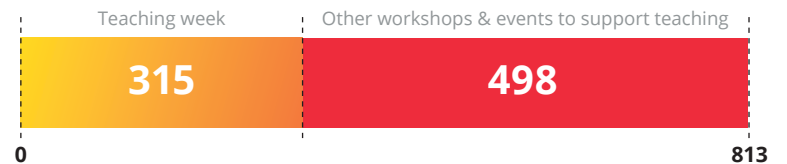


## Interactions

- Graduate students
- Undergraduate students
- Instructional & other staff
- Faculty

Faculty comprise our largest unique user group. **64** individual faculty members, from all six programs, used our services (via attending a workshop, scheduling a consultation, etc.) this academic year.

## Contact Points



The CTL had **813 contact points** with members of the Texas A&M University at Qatar community through Teaching Week, as well as workshops and other events to support teaching.

**18 mid-term** feedback sessions conducted in courses – responses collected from **387 students**. Mid-term feedback sessions are conducted by **Khadija Mahsud** who, upon a faculty member's request, collects and anonymizes student feedback about the course and condenses it into a helpful memo for faculty.

## Events

<b>Lunch 'n Learns Discussions among faculty around an education topic</b>	<ul style="list-style-type: none"> <li>▪ The Role of the Laboratory in Undergraduate Engineering Education (Journal of Engineering Education)</li> <li>▪ Excerpt from Student Writing in the Quantitative Disciplines: A Guide for College Faculty</li> <li>▪ Excerpt from Teaching and Learning STEM: a practical guide about planning undergraduate lab courses</li> <li>▪ Transition to online teaching</li> <li>▪ Supporting Students Through COVID-19 (excerpts from articles)</li> <li>▪ Reflecting on the semester</li> <li>▪ Teaching online summer 2020</li> <li>▪ Lessons Learned and New Ideas (lab instructors discussion)</li> <li>▪ Microlectures for Remote Teaching - Why and How</li> </ul>
<b>Ripple Effects Discussions led by faculty to share expertise with their colleagues</b>	<ul style="list-style-type: none"> <li>▪ <b>Dr. Kathrin Dunlap</b>, Instructional Assistant Professor in the Physiology of Reproduction section of the Department of Animal Science, TAMU</li> <li>▪ <b>Dr. Reza Sadr</b>, Associate Professor in the Mechanical Engineering program, TAMUQ</li> </ul>
<b>Workshops</b>	<ul style="list-style-type: none"> <li>▪ Project-based learning, <b>Samantha Shields</b>, Instructional Consultant, TAMU</li> <li>▪ Active learning in engineering, <b>Samantha Shields</b>, Instructional Consultant, TAMU</li> <li>▪ How and Why to Conduct Student Peer Reviews <b>Khadija Mahsud</b>, Instructional Consultant and <b>Karawan Al-Saleh</b>, IT EdTech TAMUQ</li> <li>▪ Assessment Best Practices (x2 fall and summer), <b>Khadija Mahsud</b>, Instructional Consultant, TAMUQ</li> <li>▪ 10-Day Writing Challenge and Thesis Writing Retreat <b>Dr. Amy Hodges</b>, Instructional Assistant Professor of English, TAMUQ</li> <li>▪ Assessment Options in an Online Environment, <b>Khadija Mahsud</b>, Karawan Al-Saleh, TAMUQ</li> <li>▪ Using Zoom to Teach <b>Khadija Mahsud</b>, Instructional Consultant and Justin Harbor, IT EdTech, TAMUQ</li> </ul>
<b>Talks</b>	<ul style="list-style-type: none"> <li>▪ Teaching online, <b>Dr. Palsole</b>, Assistant Vice Chancellor for Engineering Remote Education, TAMU</li> </ul>
<b>Teaching Week November 2019</b>	<ul style="list-style-type: none"> <li>▪ Ensuring Academic Success at Texas A&amp;M University at Qatar: It Takes the Whole Village! Talk by <b>Dr. Sandra McGuire</b>, Director Emerita of the Center for Academic Success and retired Assistant Vice Chancellor and Professor of Chemistry, Louisiana State University</li> <li>▪ Teach STEM Students How to Learn: Motivation, Mindset and Metacognition are the Keys Workshop for instructors by <b>Dr. Sandra McGuire</b></li> <li>▪ Teach Yourself How to Learn, Workshop for students by <b>Dr. Sandra McGuire</b></li> <li>▪ Project-Based Learning at TAMUQ, Talk by <b>Drs. Michael Schuller</b> (MEEN) and <b>Konstantinos Kakosimos</b> (CHEN)</li> <li>▪ 'Flash' (short) presentations by Transformative Educational Experiences Grant winners</li> <li>▪ Talk by <b>Dr. Nayef Alyafei</b>, recipient of 2019 Distinguished Achievement College-level Award for Teaching from the Texas A&amp;M University Association of Former Students</li> <li>▪ Open Forum for Faculty and Academic Staff</li> </ul>



“The current trends in higher education are geared towards producing graduates with both knowledge and skills, ready to confidently enter the workplace. According to The World Economic Forum’s *The Future of Jobs Report 2018* at least 54% of all employees will need to be re- and upskilled by 2022. The skills required to do most jobs will have changed remarkably by 2022, with these skills including analytical thinking, innovation as well as the ‘human’ skills of creativity, initiative and critical thinking. The CTL at TAMUQ offers great programs to students through workshops and short courses to complement formal class room education and develop their skills. In addition, CTL offers workshops and development opportunities for faculty to support their teaching needs and expose them to recent developments. As we shifted to remote teaching as a result of the pandemic, CTL organized a number of seminars and information sessions to support the faculty with remote teaching. CTL introduced me to the online courses offered by The Association of Colleges and University Educators (ACUE). I took an online course on Active Learning in the summer and I am using many of the concepts presented in the course in my teaching this semester.”

**Dr. Marwan Khraisheh**  
*Professor and Program Chair,  
Mechanical Engineering*

## Staff



**Dr. Ashfaq Bengali**

*Professor, Chemistry  
Executive Director, Center  
for Teaching & Learning*



**Dr. Bilal Mansoor**

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**Vanessa Lina**

*Administrative Coordinator,  
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& Learning*

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Petroleum Engineering*

**Dr. Mohamed Nounou**

*Professor, Chemical Engineering*

**Dr. Sherzod Madrahimov**

*Assistant Professor, Science*

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Chemical Engineering*

**Marwa Abdelgawad**

*Graduate student,  
Chemical Engineering*

**Jassim Al-Matwi**

*Undergraduate student,  
Chemical Engineering*

**Aisha Al-Naemi**

*Undergraduate student,  
Chemical Engineering*

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**Kais Abdulmawjood**

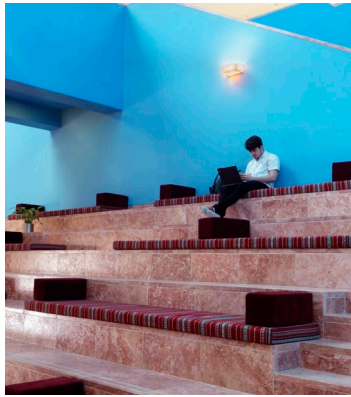
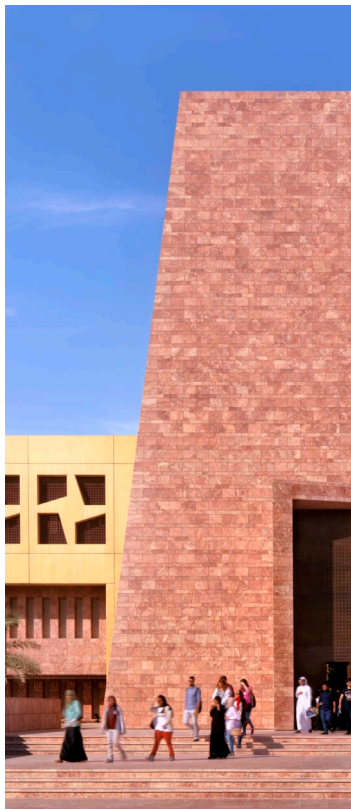
*Laboratory Manager, Electrical &  
Computer Engineering*

**Phylcia French**

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Academic Services*

**Leila Jaber**

*Assistant Director, Admissions*



  
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