



SAN DIEGO STATE
UNIVERSITY

COLLEGE OF ENGINEERING

FALL 2020 FACULTY & STAFF RETREAT

WELCOME TO THE 2020 - 21 AY!

AUGUST 20, 2020

AGENDA



SAN DIEGO STATE
UNIVERSITY

College of Engineering

College Secretary Present for Minutes?

- 1:00-1:05** Welcome Remarks to Faculty & Staff - *Dean Olevsky*
- 1:05-2:05** State of the College Presentation - *Dean Olevsky*
- 2:05-2:15** Approval of 4/21/2020 CoE Faculty Meeting Minutes
- 2:15-2:45** Overview of CoE Diversity, Equity & Inclusion Council Plan
Dr. Mahasweta Sarkar, Chair of CoE DEI Council
- 2:45-3:15** Overview of University Diversity Plan
Dr. Jennifer Imazeki, Associate Chief Diversity Officer for Faculty and Staff
Dr. Norah Shultz, Professor & Director of Inclusive Curriculum, Division of Student Affairs & Campus Diversity
- 3:15-3:30** Break
- 3:30-3:40** Update on CoE Constitution & Bylaws
Dr. Julio Valdes, Parliamentarian & Chair of Constitution & Bylaws Committee
- 3:40-3:50** Update on Engineering Development Activities
Kate Carinder, Sr. Director of Development for Engineering, University Relations & Development
- 3:50-4:05** Update on 'Building A' Construction
Kara Peterson, Design Administrator, Project Management
- 4:05-4:30** Closing Remarks/Adjournment - *Dean Olevsky*



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WELCOME REMARKS



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INTRODUCTION OF NEW FACULTY & STAFF

MEET OUR NEW AE FACULTY



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Dr. Margherita Capriotti

*Ph.D., University of California San Diego, San Diego, CA
Assistant Professor of Aerospace Engineering*

Previous Position

Postdoctoral Research Fellow, Department of Radiology,
Mayo Clinic, Rochester, MN

Areas of Specialization

Non-destructive evaluation of aerospace structures; Thermal and elastic wave propagation for structural assessment; Guided ultrasonic waves and infrared thermography for defect detection and characterization; Global-local modeling of elastic wave scattering; composite materials.

MEET OUR NEW ME FACULTY



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Dr. Zahra Nili Ahmadabadi

*Ph.D., Université du Québec (École de technologie supérieure),
Québec, Canada*

Assistant Professor of Mechanical Engineering

Previous Position

Assistant Professor, Department of Mechanical Engineering,
Wichita State University, Wichita, KS

Areas of Specialization

Cooperative Robotics; Acoustic Perception; Robot Learning;
Motion Planning; Nonlinear Dynamical Systems; Dynamic
Systems & Control; Deep Learning & Sequence Modeling;
Autonomy

MEET OUR NEW ME FACULTY



SAN DIEGO STATE
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College of Engineering



Dr. Elisa Torresani

Ph.D., University of Trento, Trento, Italy

Assistant Professor of Mechanical Engineering

Previous Position

Postdoctoral Fellow, San Diego State University, San Diego, CA

Areas of Specialization

Powder Technology; Materials Science and Engineering;
Metallurgy; Sintering; Field-Assisted Sintering; Sintering-Assisted
Additive Manufacturing; Additive Manufacturing

MEET OUR NEW STAFF



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- **Hiring of ASC I Administrative Coordinator for the Civil, Construction & Environmental Engineering Department is in process.**

FACULTY AWARD

NORTHROP GRUMMAN 2019-20 Excellence in Teaching Award

Congratulations to Dr. Amir Alimohammad!

Associate Professor, Department of Electrical & Computer Engineering



Dr. Alimohammad was chosen for the award by the CoE Scholarship & Awards Committee for:

- a) his commitment to present undergraduate students with state-of-the-art education/tools, evidenced by restructuring courses accordingly,
- b) infusing hands-on assignments into his courses, through the "lab-at-home" approach, so that students can work on them without physically having to be in the laboratory (or campus), that were done pre-COVID-19,
- c) his involvement/participation in mentoring undergraduate students, and
- d) his leadership in developing the new MS Program in Computer Engineering.



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STATE OF THE COLLEGE



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COLLEGE PERSONNEL & INFRASTRUCTURE

FACULTY SEARCHES FOR 2020 - 21



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Department	Position Area	Level	VPAA #
AE	Aerospace Engineering Design	Assistant	2020/21-18
CCEE	Sustainable Infrastructure Engineering	Assistant	2020/21-17
ECE	Digital Signal Processing	Assistant	2020/21-15
ME	Robotics & Control	Assistant	2020/21-16
CCEE	Coastal Engineering	Assistant	2020/21-72
CCEE	Sustainable Infrastructure	Assistant	2020/21-70
CCEE	Water Engineering	Assistant	2020/21-71
ME	Advanced Materials Processing	Assistant	2020/21-73
ME	Computational Mechanics	Assistant	2020/21-75
ME	Renewable Energy Conversion and Storage	Assistant	2020/21-74
Dean's Office	Assoc. Dean for Undergraduate Studies	Full	2020/21-58
Dean's Office	Assoc. Dean for Graduate Studies	Full	SDSU Internal

Searches Successfully Completed

TENURED/TENURE-TRACK FACULTY



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	AE	CCEE	ECE	ME	CoE
Professors	8	5	9	8	30
Associate Professors	0	5	5	2	11
Assistant Professors	4	7	8	10	30
Fall 2019 T/T Faculty	12	17	22	20	71*
New Fall 2020 Positions	1	0	0	2	3
Total T/T Faculty*	12	17	22	22	73*

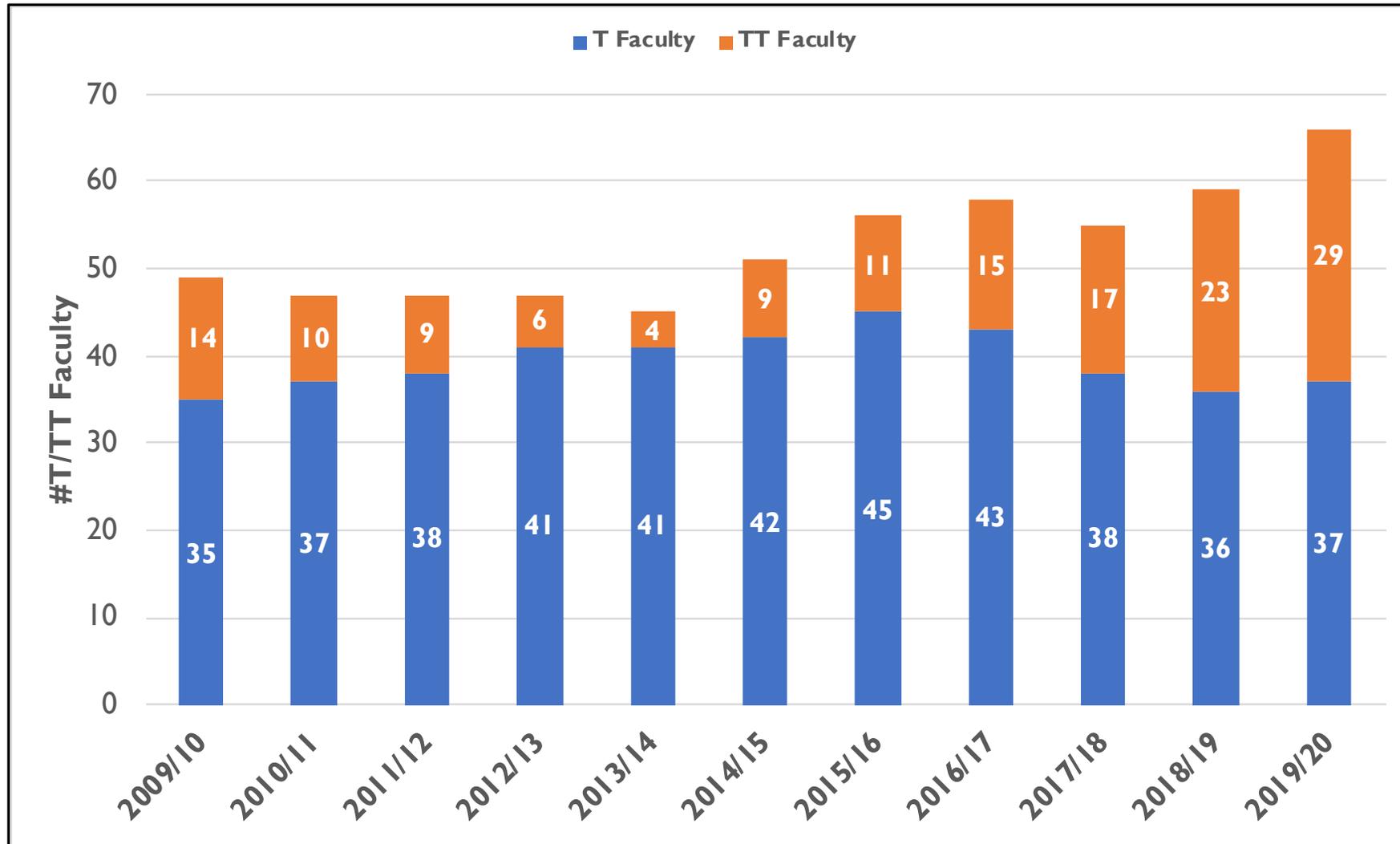
* Includes participants in Faculty Early Retirement Program (FERP)

T/TT FACULTY

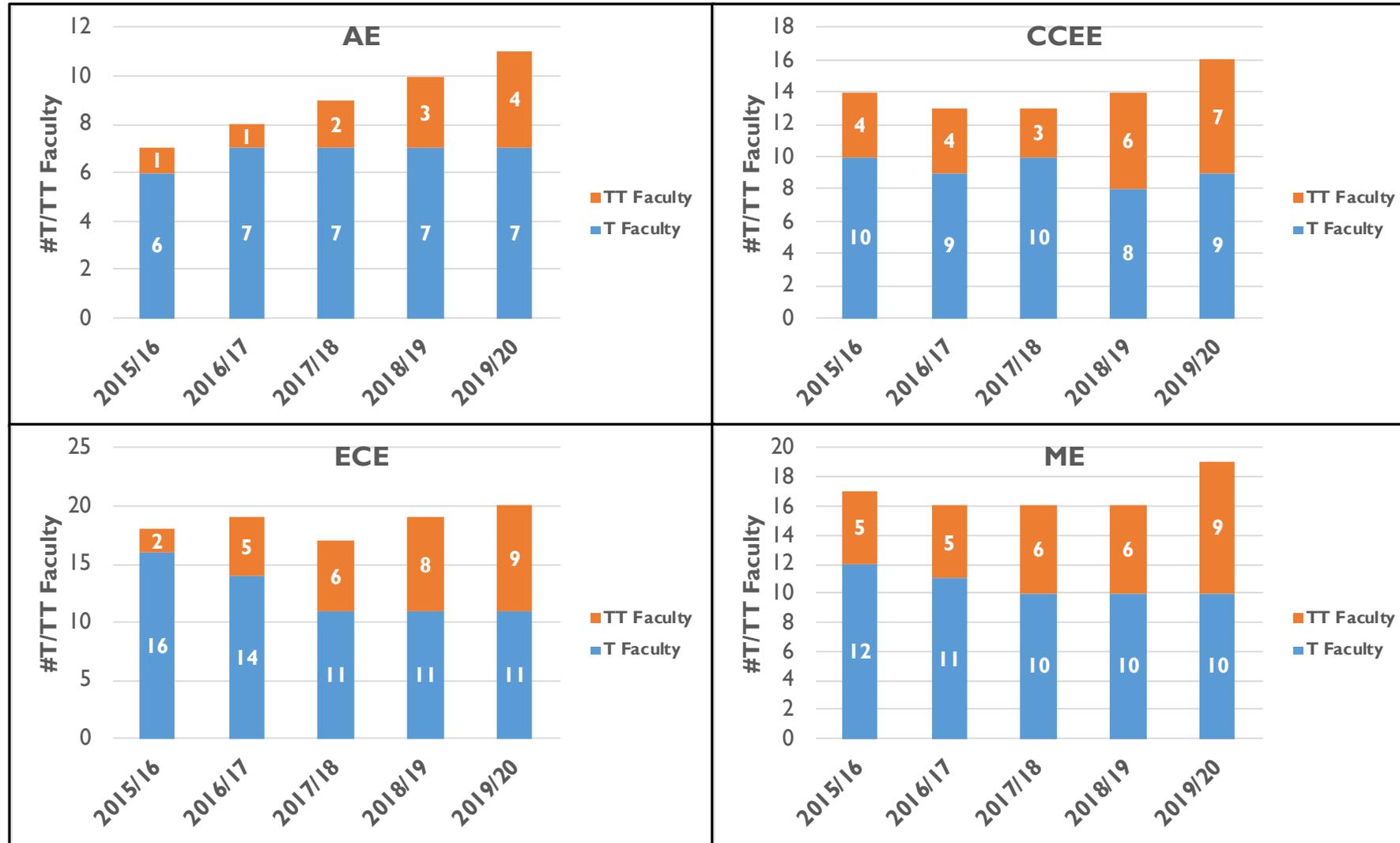


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T/TT FACULTY BY DEPARTMENT





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SPRING 2020
LAB RENOVATIONS UPDATE

10 NEW RESEARCH LABS



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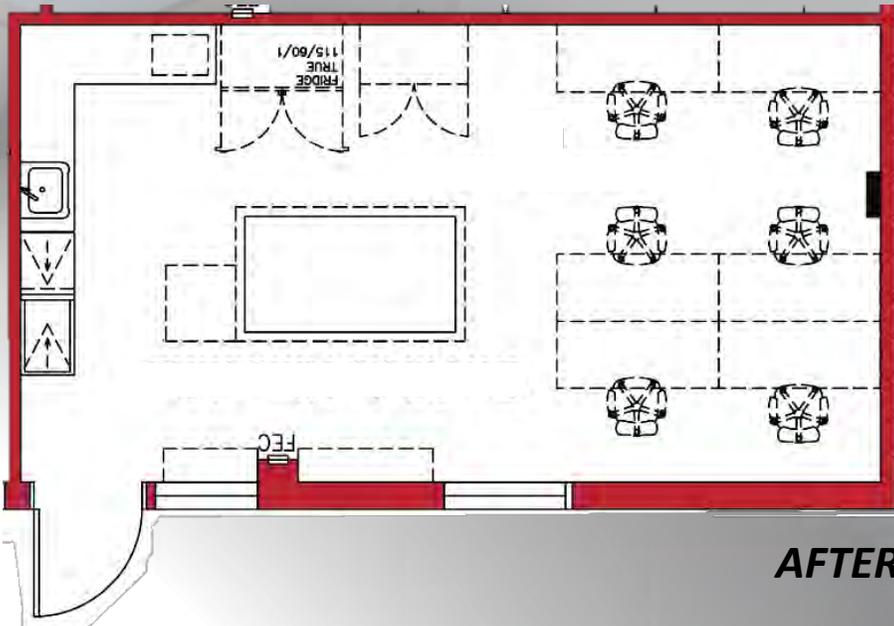
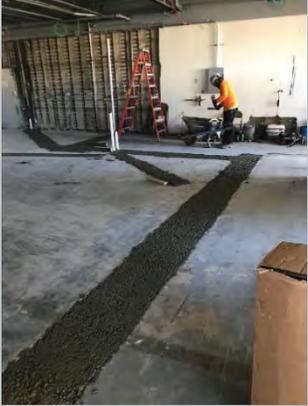


DR. ALICIA KINOSHITA E120 DISTURBANCE HYDROLOGY LAB



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BEFORE



AFTER



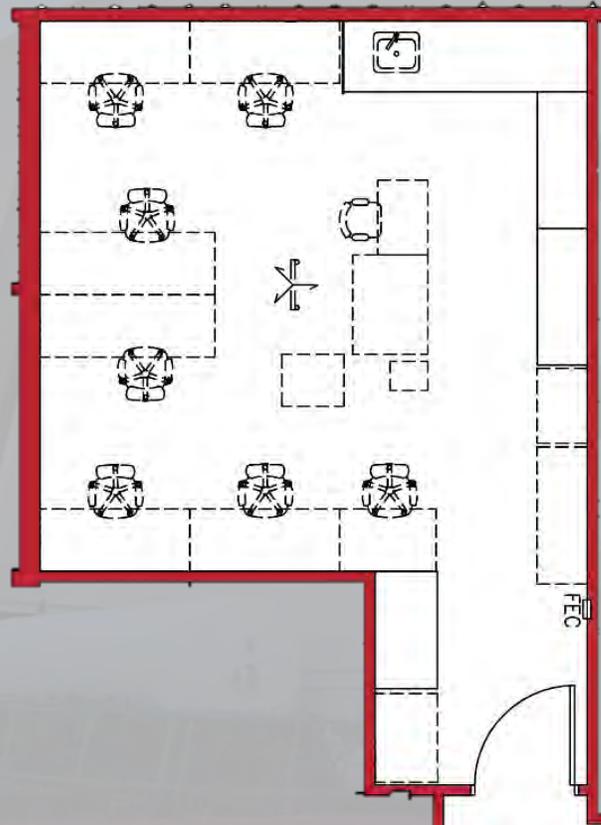
DR. SATCHI VENKATARAMAN E130 AEROSPACE STRUCTURES LAB



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BEFORE



MOVE IN DAY

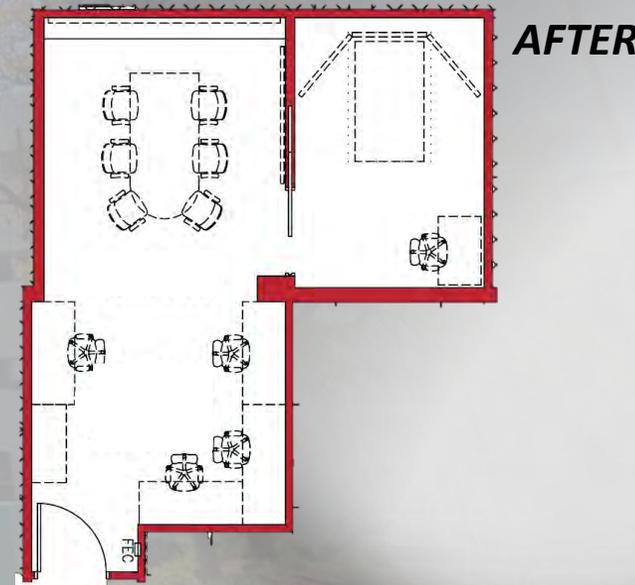
DR. SAHAR GHANIPOOR-MACHIANI E132 SMART TRANSPORTATION ANALYTICS RESEARCH LAB



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BEFORE



DR. JOHN KANG - 108A ADVANCED MANUFACTURING LAB
DR. YANG YANG - 108B ADVANCED MANUFACTURING LAB

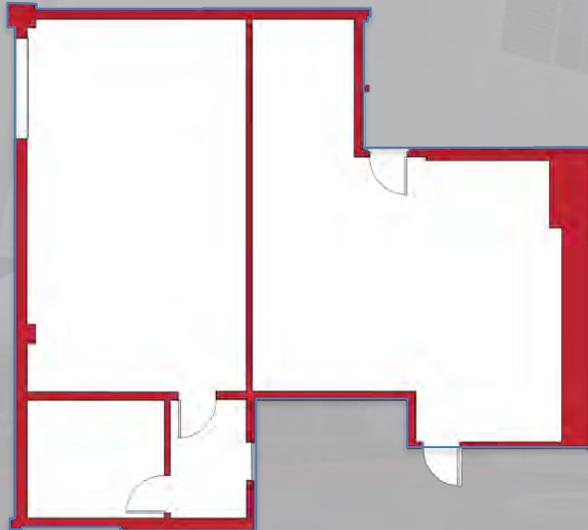


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BEFORE



AFTER

DR. PEIMAN NASERADINMOUSAVI - 300A ROBOTICS LAB
DR. HAKAN TÖREYİN - 300B ECE LAB
DR. AMNEET BHALLA - 300C ME LAB



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BEFORE

AFTER

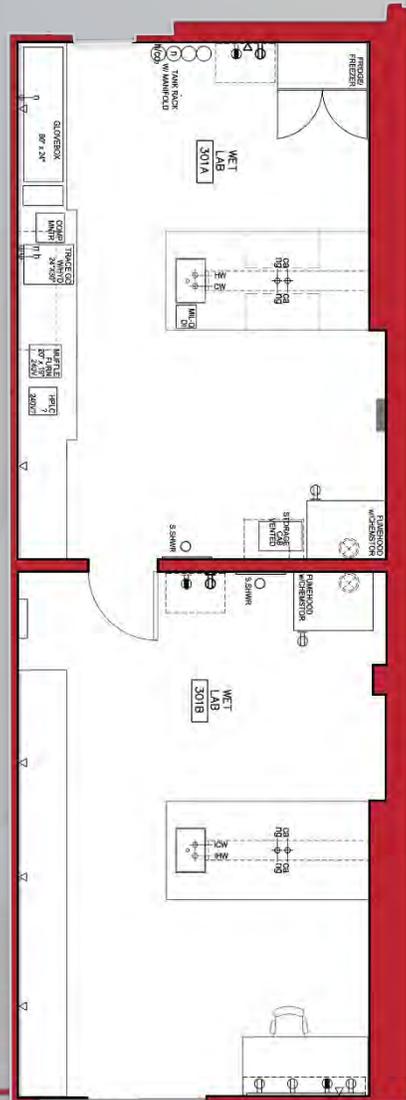


DR. CHRISTINE DYKSTRA - 301A CCEE WET LAB

DR. SEAN PARK - 301B ME WET LAB



BEFORE



AFTER





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COVID -19 UPDATE



Three Repopulation Plans:

- **Research Labs Repopulation**
- **Fall F2F Instruction**
- **College Safe Repopulation**

COVID -19 UPDATE



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College Safe Repopulation:

- 1) Engineering Dean's Office (Responsible Party: Marcie Morihiro)
- 2) Aerospace Engineering Department (Responsible Party: Dr. Ping Lu)
- 3) Civil, Construction, and Environmental Engineering Department (Responsible Party: Dr. Janusz Supernak)
- 4) Electrical and Computer Engineering Department (Responsible Party: Dr. Chris Mi)
- 5) Mechanical Engineering Department (Responsible Party: Dr. John Abraham)
- 6) IT Department (Responsible Party: William Nguyen)
- 7) Graduate Studies and Research Program (Responsible Party: Dr. Temesgen Garoma)
- 8) Student Affairs and Outreach Programs (Responsible Party: Asst. Dean Theresa Garcia)



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COLLEGE BUDGET UPDATE

COLLEGE BUDGET UPDATE



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- The College of Engineering will be contributing a share of its "reserves" to the cause of balancing the University's budget this fiscal year. Different Colleges contribute different shares of their budgets (7 – 13%) to offset the University's budget deficit for fiscal year. The amount the College of Engineering will be contributing is 7%.
- The University financial situation will affect a number of important academic activities (e.g., hiring, sabbatical leaves, shared facilities' usage, etc.)
- We are absolutely committed to preserving the College's teaching and research activities during this challenging time.
- We must prepare for the strong likelihood of recurring cuts next year and thereafter. The size of those cuts is unknown at this time, and will depend on factors such as enrollment numbers and the State appropriation.



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UNDERGRADUATE PROGRAM UPDATE



Fall 2020

- Following federal, state, and local guidelines, only approved faculty, staff and students will be on campus
 - 200 F2F classes (alternate options)
 - 3,500 students in on-campus housing
 - Research faculty and graduate students
 - Staff as approved in repopulation plans
 - Continued Student Services remote in some areas like Registrar, Financial Aid, Counseling and Psychological Services, University Advising Center (UAC)
 - Some will use Virtual Front Desk
 - Some areas will have F2F service such as Student Health Services

Fall 2020 Student Advising

- UAC – website, email, phone
- CSSE – CSSE.sdsu.edu
 - Students can make appointments via Calendly and can send questions via email to be answered immediately during regular business hours
- Engineering Faculty Advisors
 - Virtual Office Hours, needed more than ever
 - Email, be responsive



CSSE AND COE STUDENT AFFAIRS VIRTUAL STUDENT SUCCESS INITIATIVES

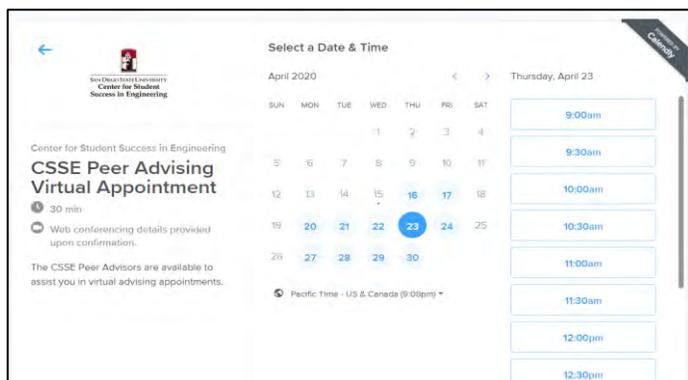


Peer Advisors to provide virtual advising

Spring 2020 Engineering Virtual Advising (via Zoom) To schedule, go to <https://calendly.com/csseadvising>

	Monday	Tuesday	Wednesday	Thursday	Friday
9:00 AM					
9:30 AM					
10:00 AM					
10:30 AM					
11:00 AM	Elainev 10am-2pm Civil, Construction, and Environmental Engineering				
11:30 AM					
12:00 PM					
12:30 PM					
1:00 PM		Zach 9am-5pm Computer and Electrical Engineering			
1:30 PM					
2:00 PM					
2:30 PM					
3:00 PM	Alan 2pm-5pm Aerospace & Mechanical Engineering				
3:30 PM					
4:00 PM			Zach 9am-5pm Computer and Electrical Engineering		
4:30 PM					Zach 1pm-5pm Computer and Electrical Engineering

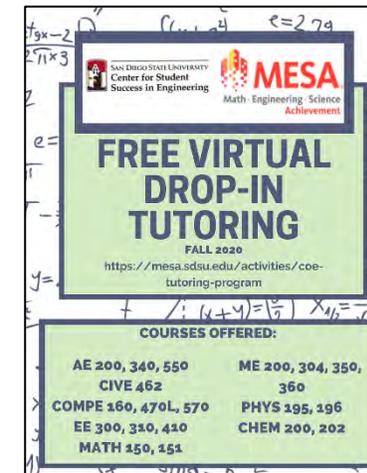
Calendly was set up for students to book CSSE appointments



Saturday and evening advising options explored



CoE Student Affairs team hosted Virtual Office Hours in Spring 2020!



Offered Summer
Virtual Tutor
Support; fall
virtual tutoring
begins next week
(i.e. 1st week of
class)

Partnered with Career Services to offer Internship & Career guidance sessions



ENGINEERING UNIT REDUCTION



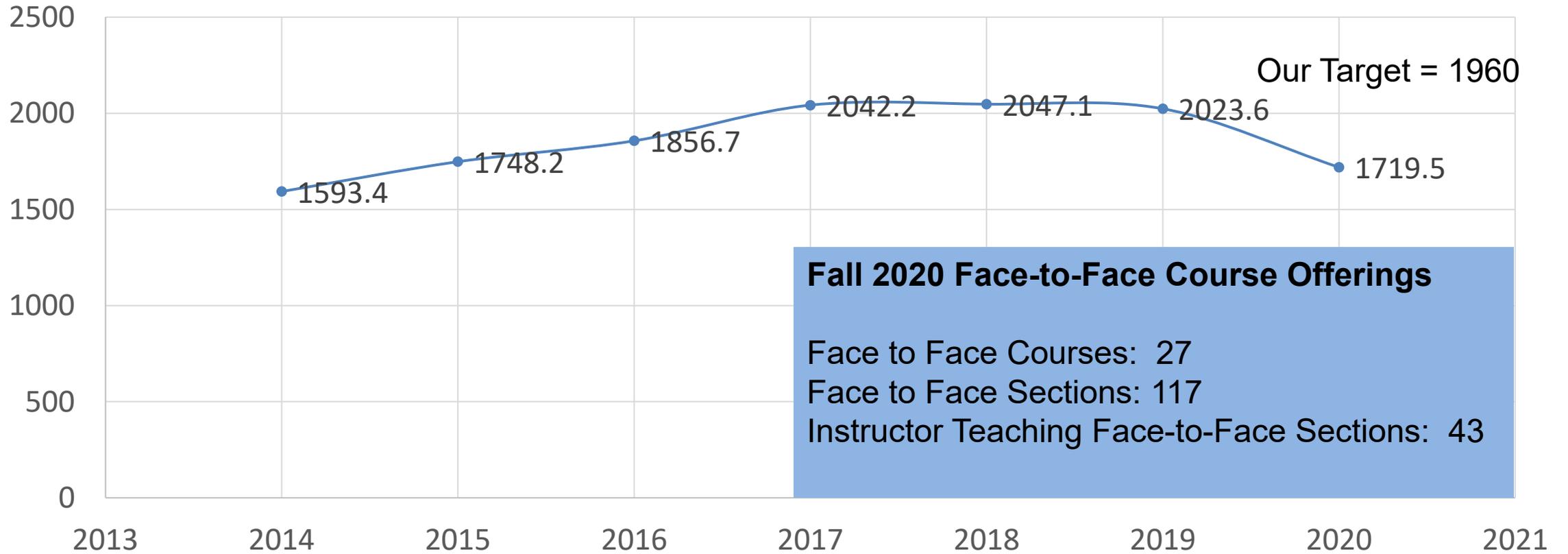
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Program	Fall 2019 Units	Reduction from Major	Reduction in GE Units	Credit hours after unit reduction	Credit Hours Final
Electrical Engineering	133	7	9	117	120
Computer Engineering	132	6	9	117	120
Mechanical Engineering	140	14	9	117	120
Civil Engineering	138	3	9	126	126
Construction Engineering	133	3	9	121	120
Environmental Engineering	136	9	9	118	120
Aerospace Engineering	140	8	9	123	123
Construction Management	Proposal Submitted to Chancellor's Office for Approval				120

FALL SEMESTER ENROLLMENT (FTES)

Fall Semester FTES



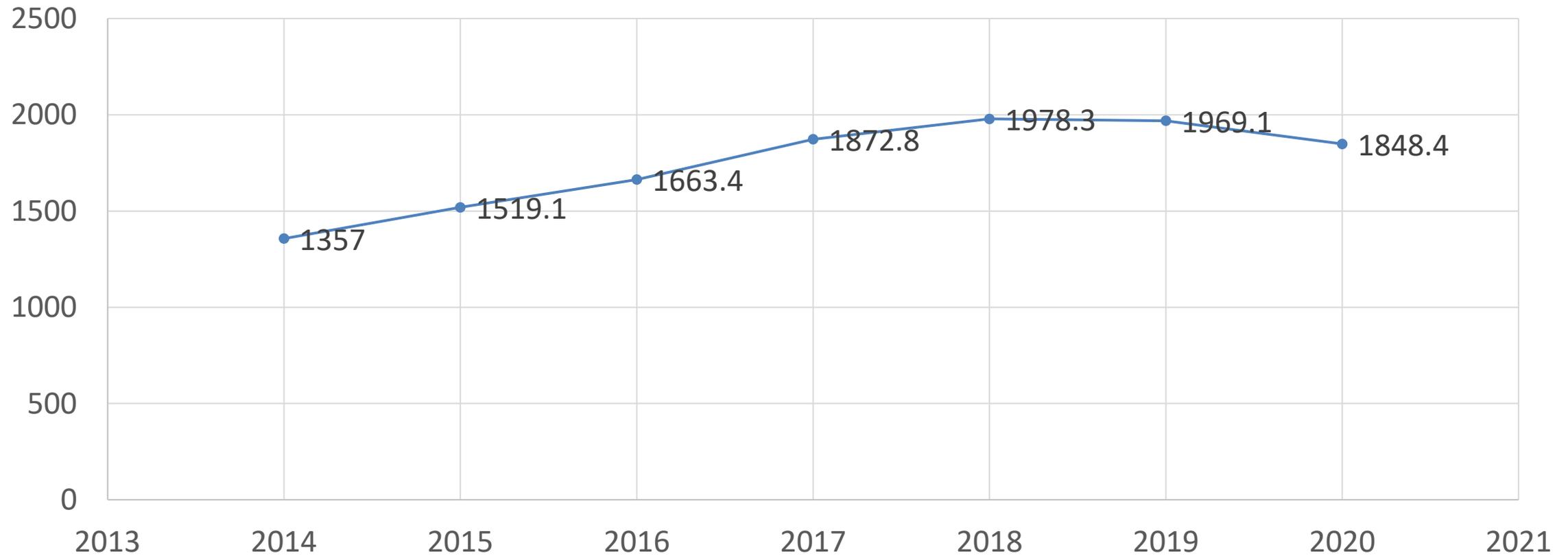
SPRING SEMESTER ENROLLMENT (FTES)



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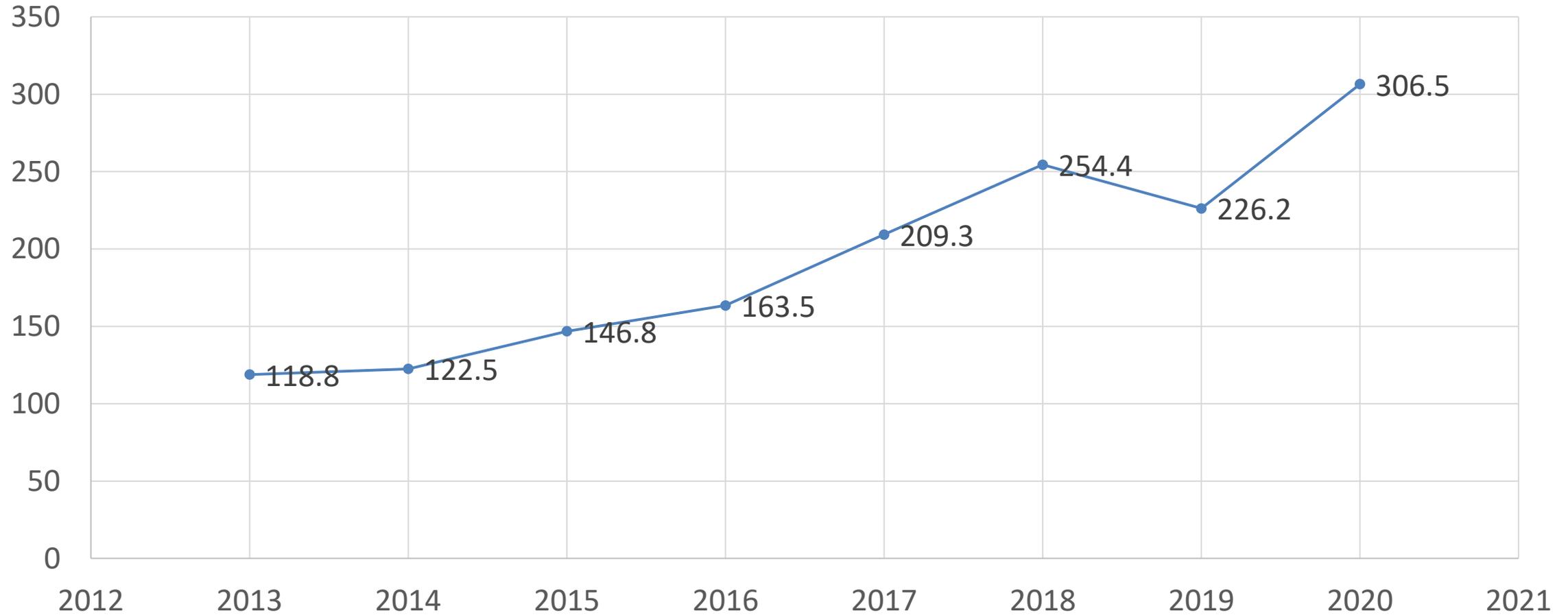
Spring Semester FTES



SUMMER SEMESTER ENROLLMENT (FTES)



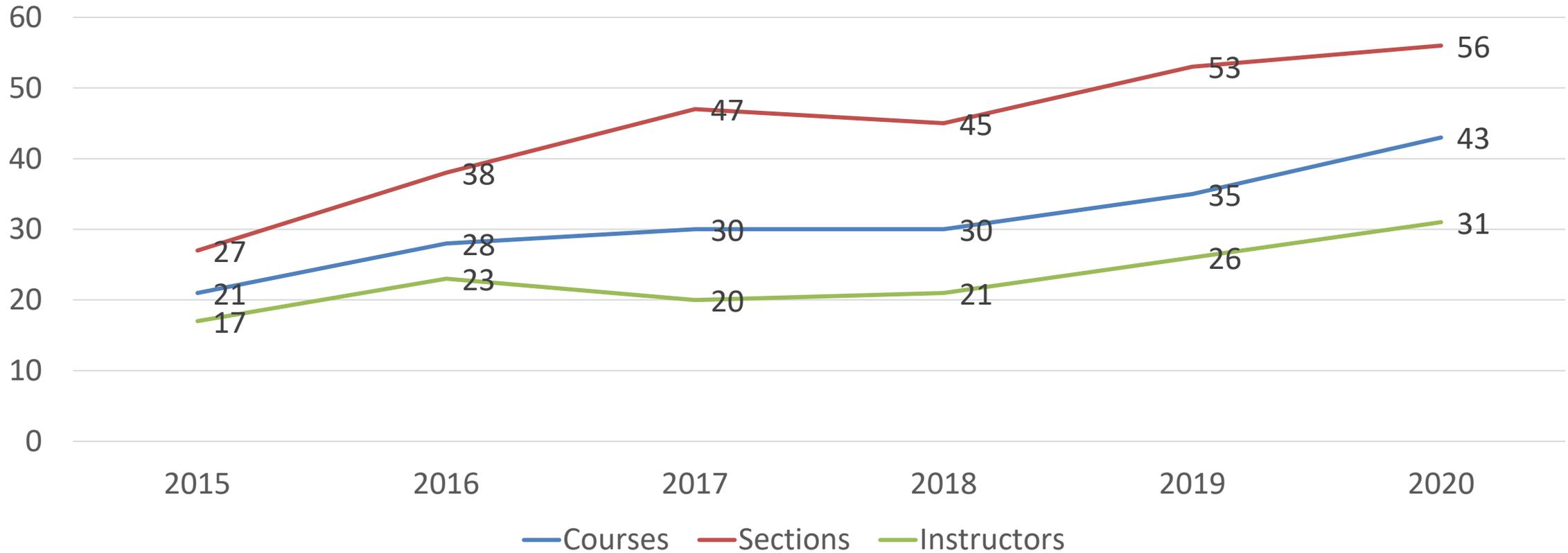
Summer Semester FTES Growth



SUMMER SEMESTER GROWTH



Summer Semester Growth



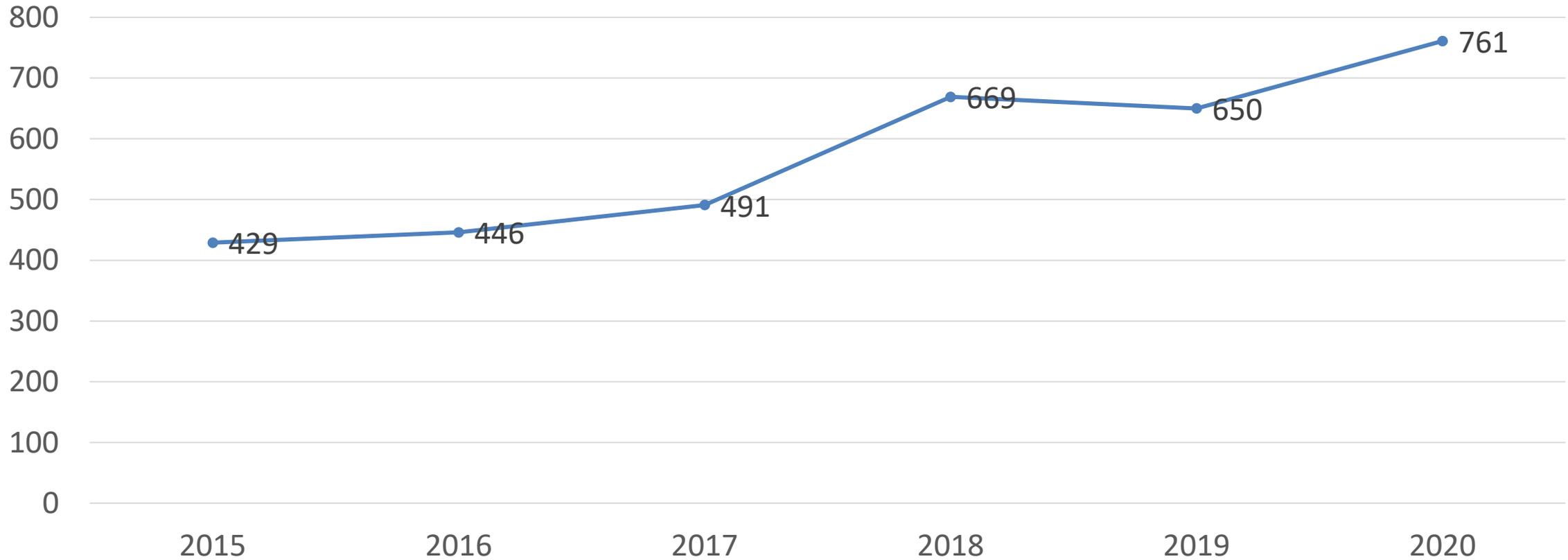
STUDENTS GRADUATED



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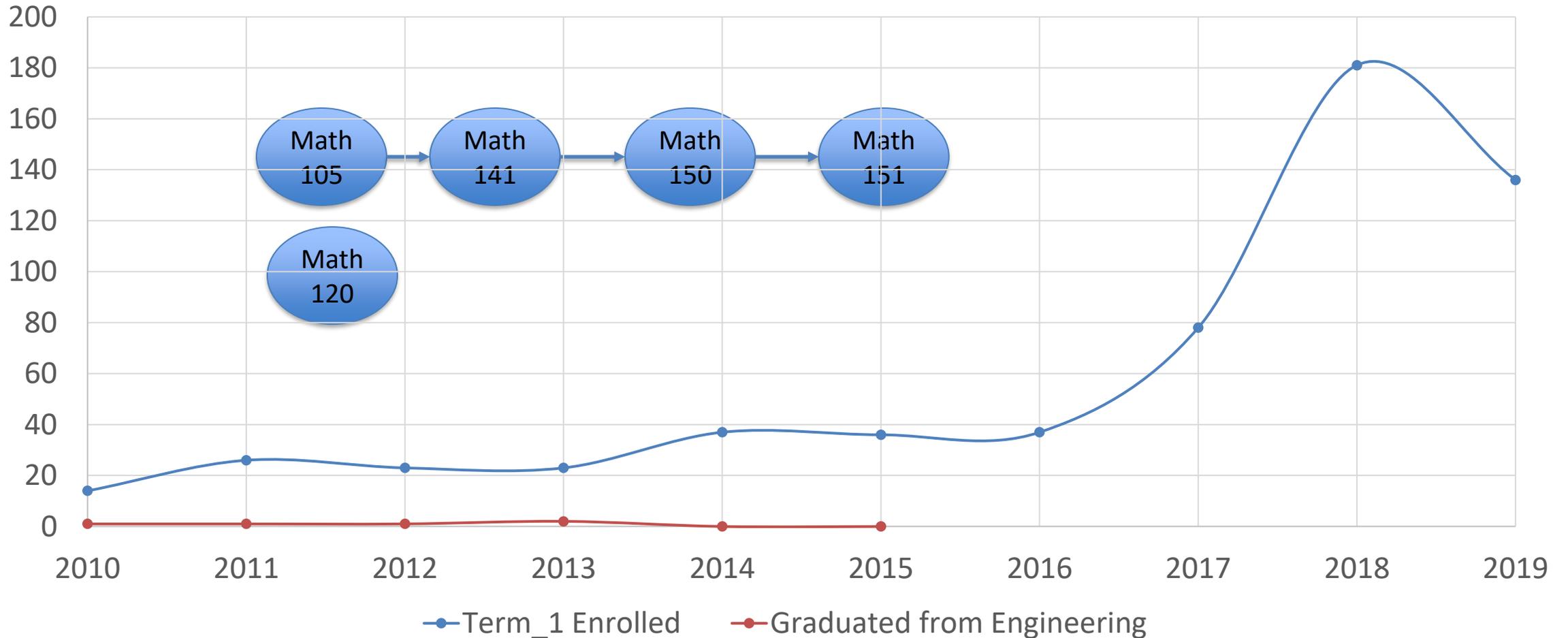
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Graduation per year



FIRST MATH COURSE: MATH 105/120

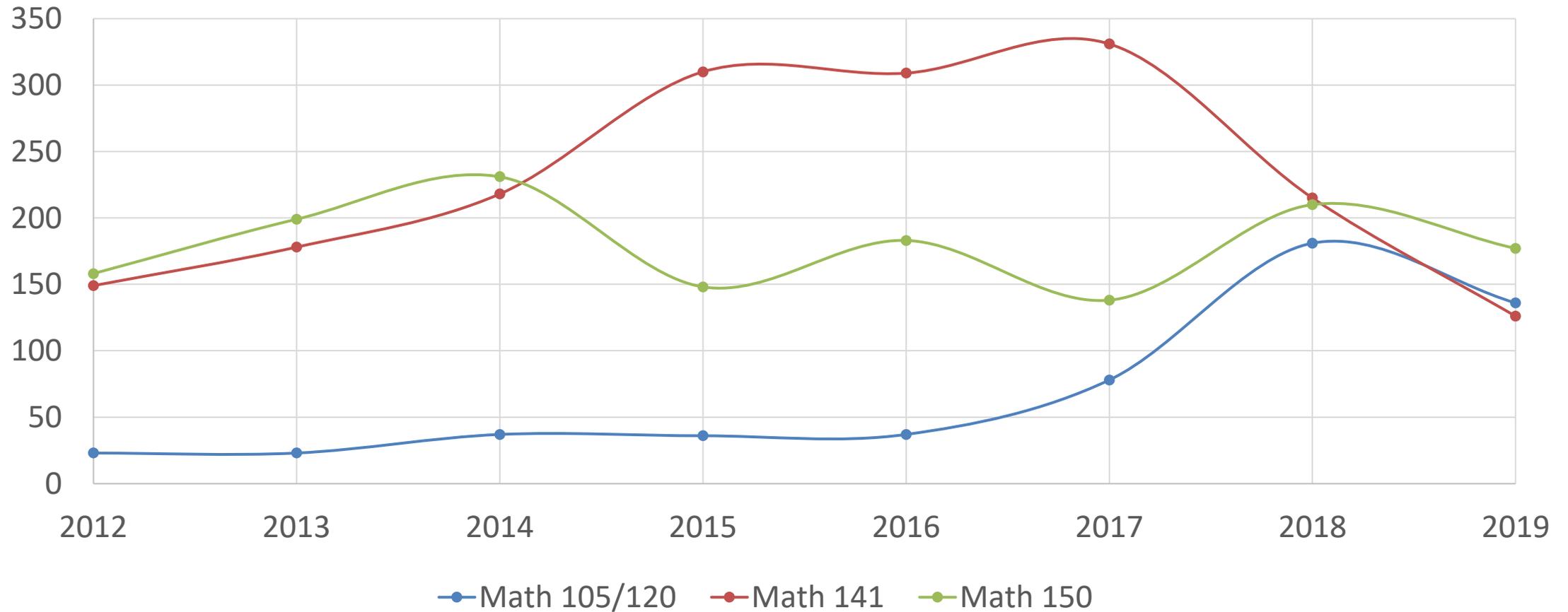
Engineering Students Starting with Math 105/Math 120



STUDENTS STARTING MATH SEQUENCE



Engineering Students First Math Course



ABET SCHEDULE



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Spring 2020	Departments gather assessment data and display materials.
Fall 2020	Departments continue gathering assessment data and display materials.
January 31, 2021	Request for Evaluation submitted to ABET by Dean's Office.
Spring Term 2021	Departments continue to gather assessment data and display materials .
February 1, 2021	Draft of Criterion 4 due to Dean's Office. Upload into Google Drive.
March 1, 2021	Draft of Criterion 5 due to Dean's Office. Upload into Google Drive.
April 1, 2021	Drafts of Criteria 1, 2, 3, 6, 7, 8 due to Dean's Office. Upload into Google.
May 1, 2021	Self-study final drafts due to Institutional Research/Dean's Office.
October 2021	ABET visit, 3-days, Sunday through Tuesday (a more detailed schedule will be created closer to the visit).

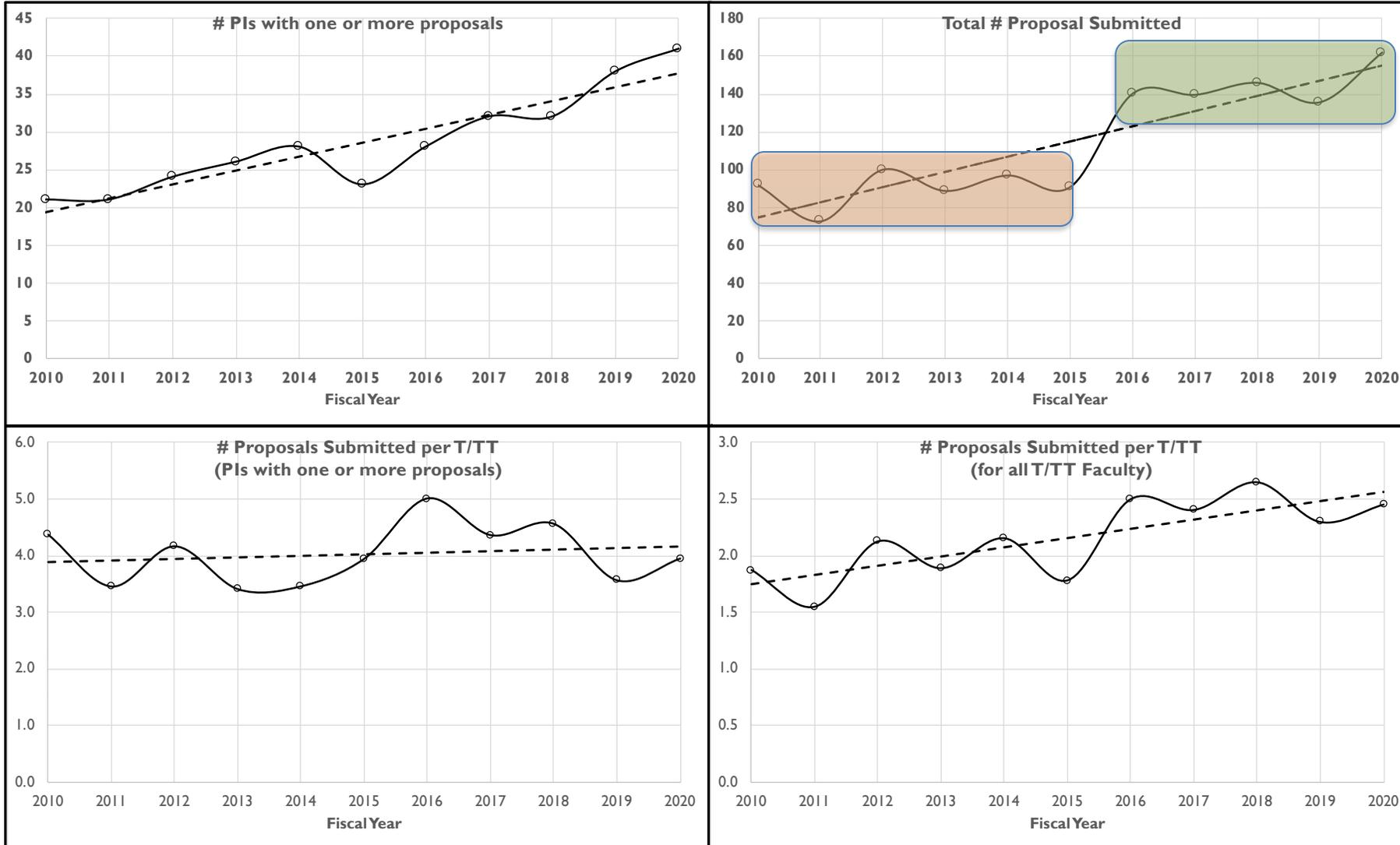


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RESEARCH & GRADUATE PROGRAM UPDATE

PROPOSAL SUBMISSIONS

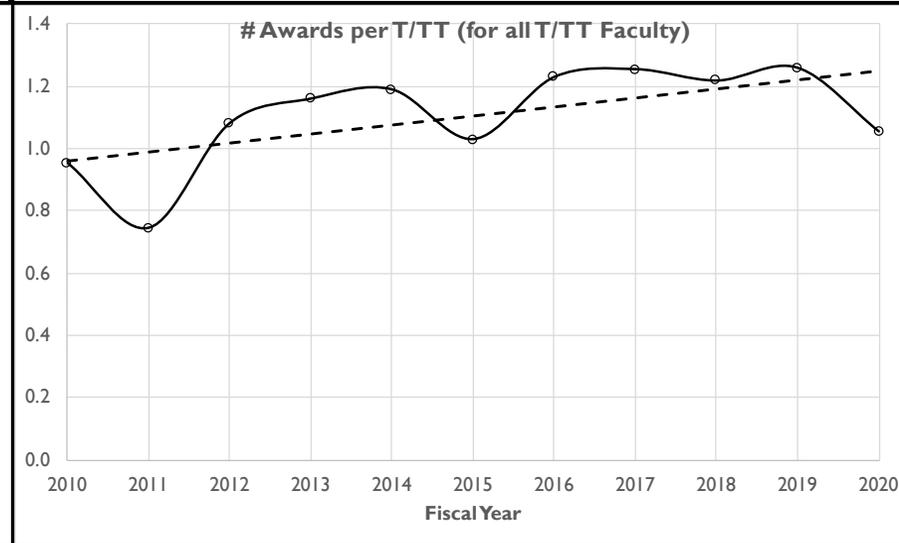
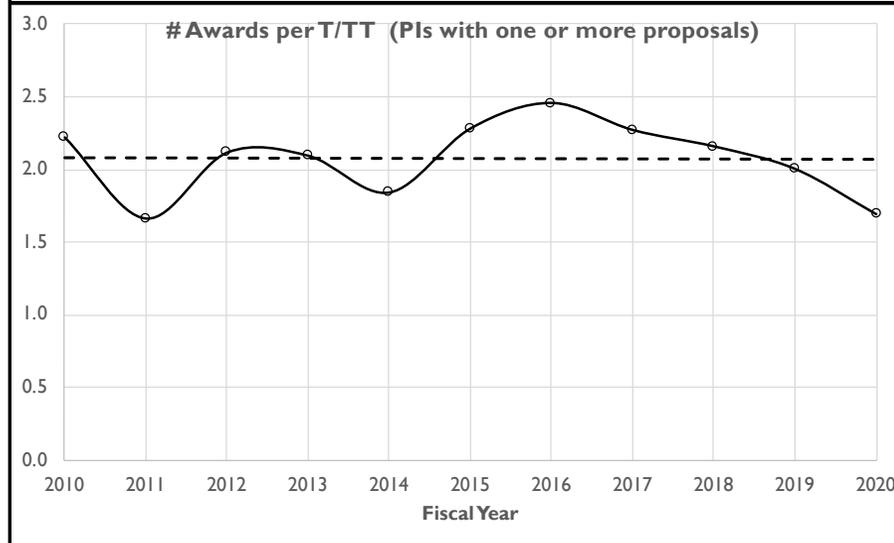
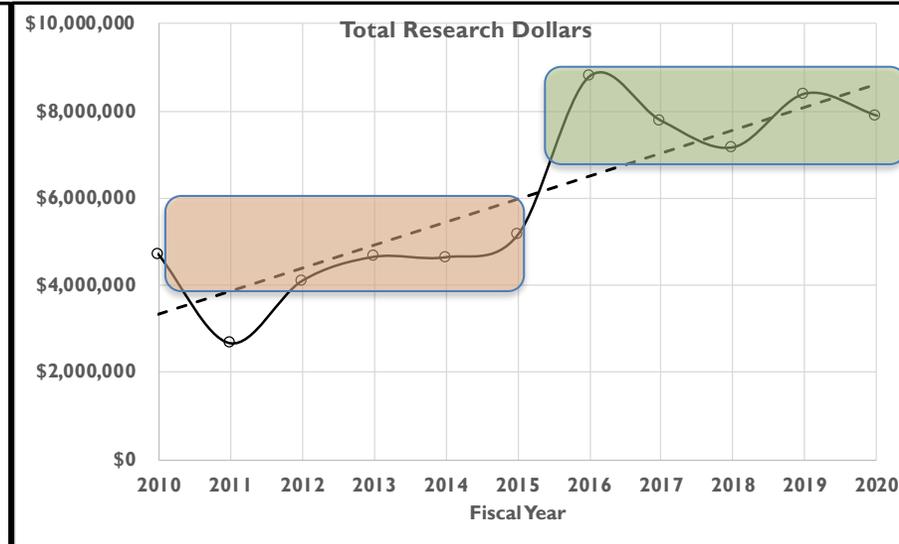
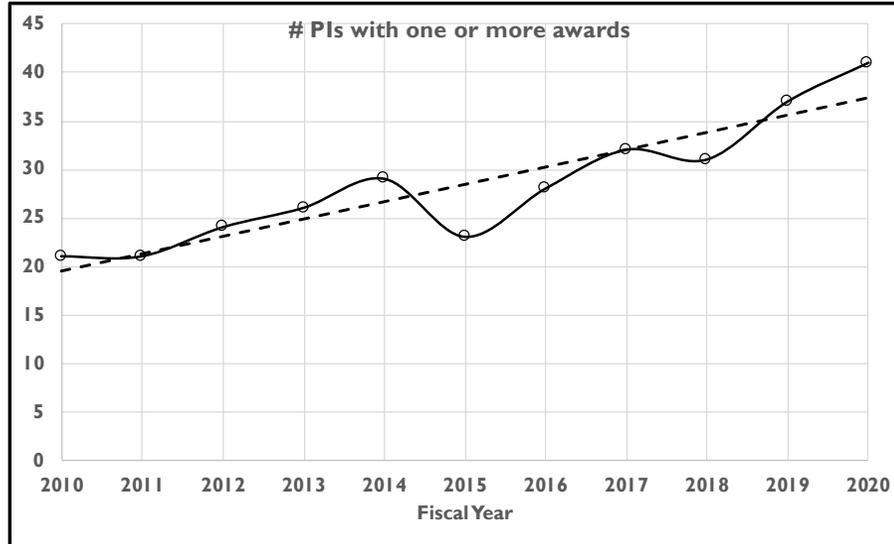


PROPOSAL AWARDS



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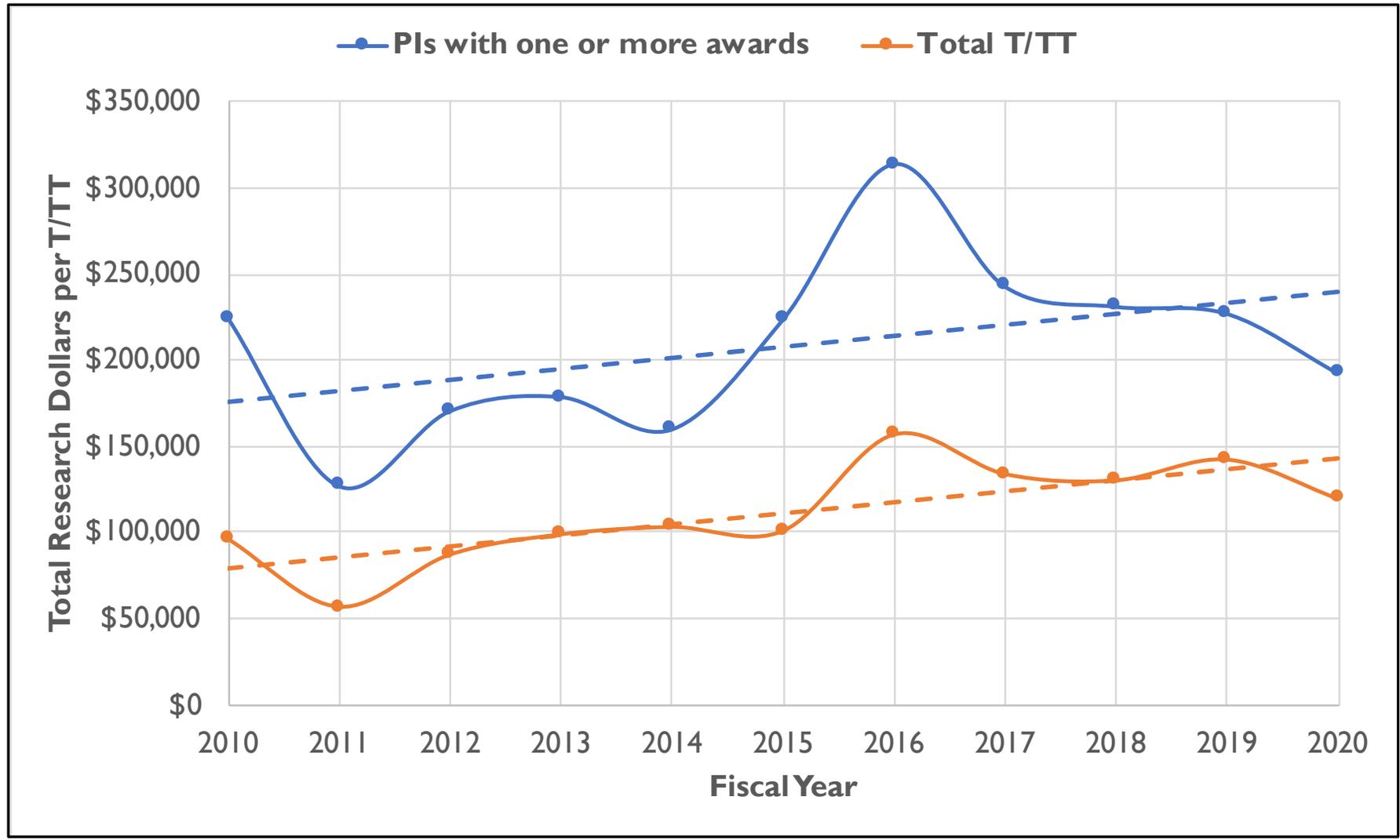


TOTAL RESEARCH DOLLARS PER T/TT



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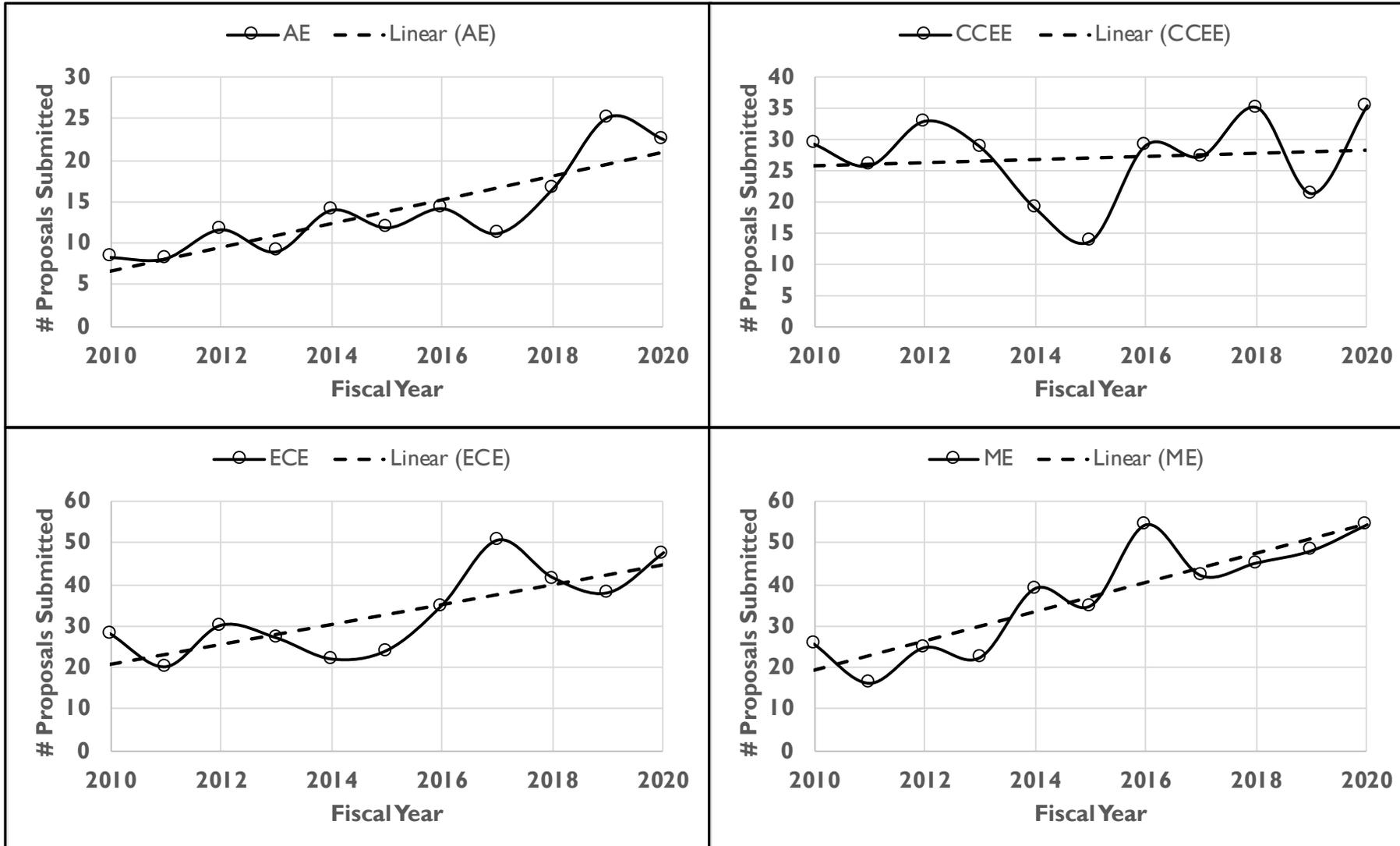


PROPOSAL SUBMISSION BY DEPARTMENT



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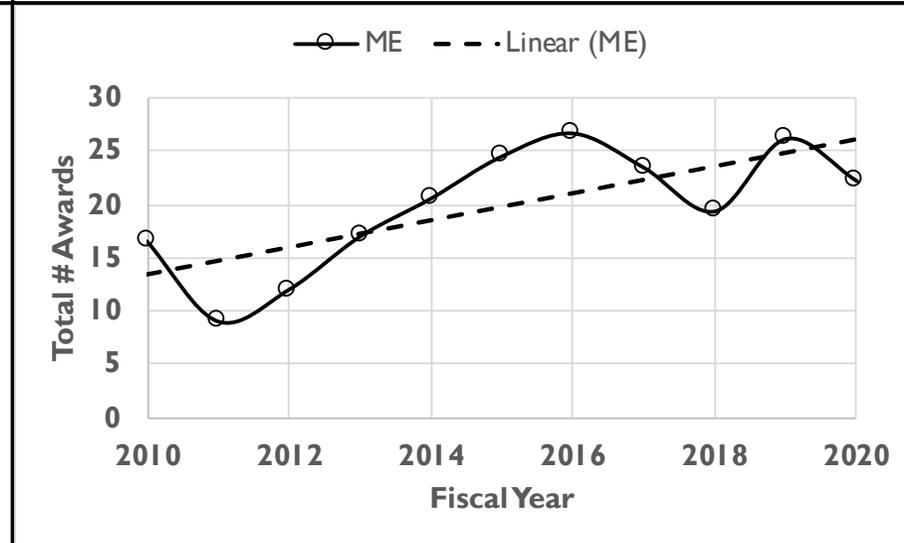
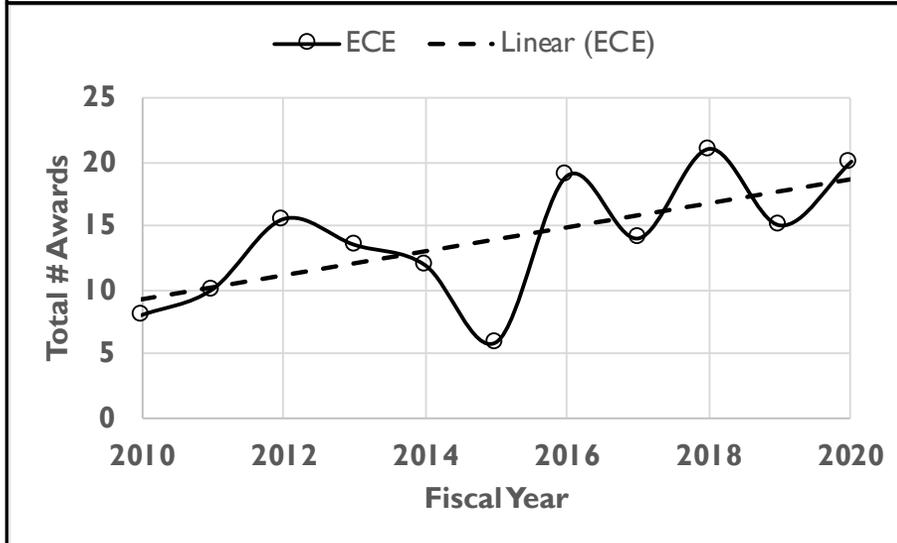
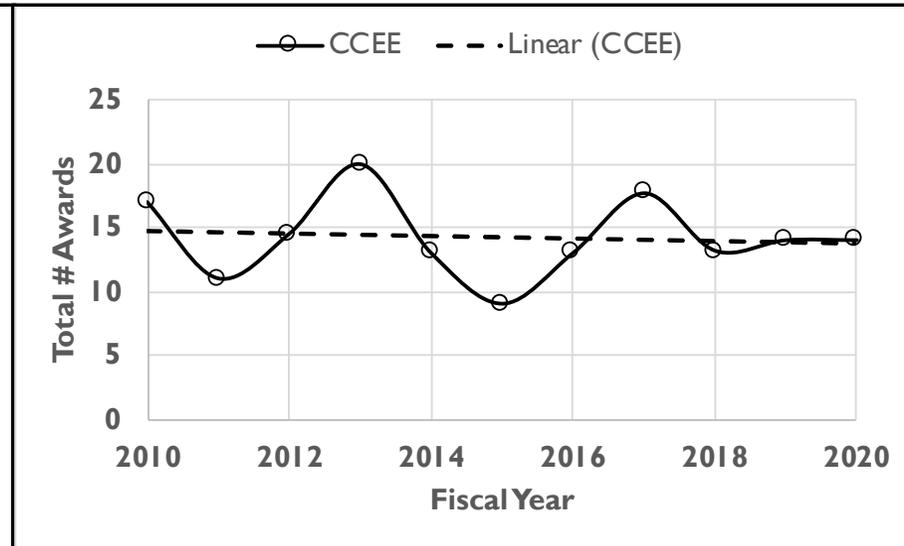
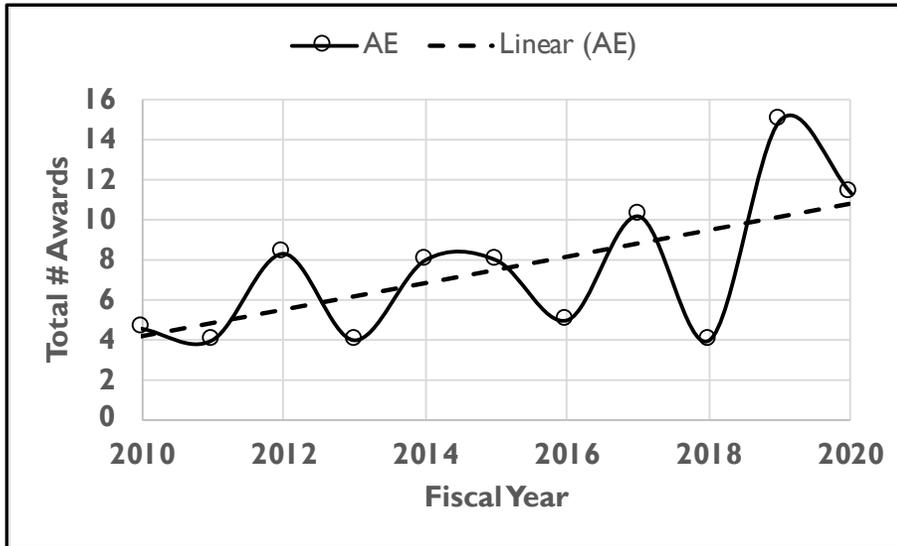


AWARDS BY DEPARTMENT



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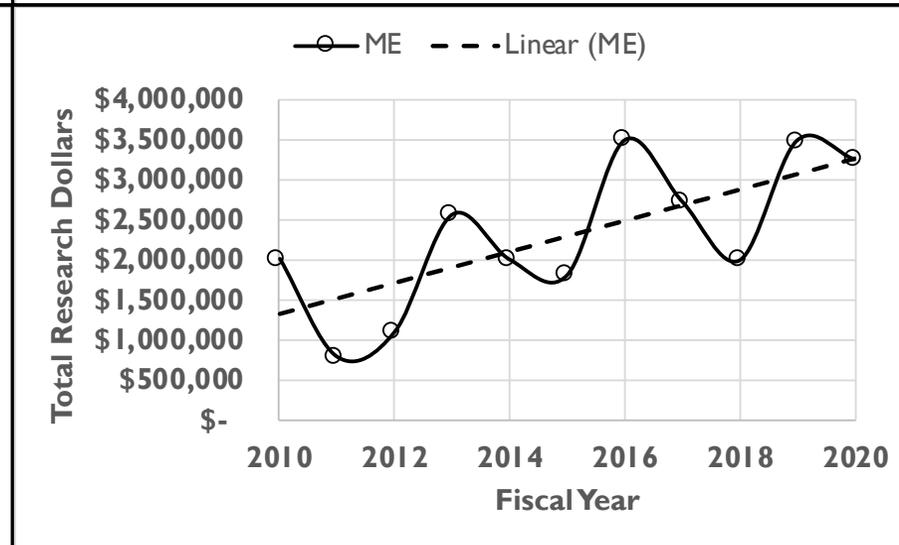
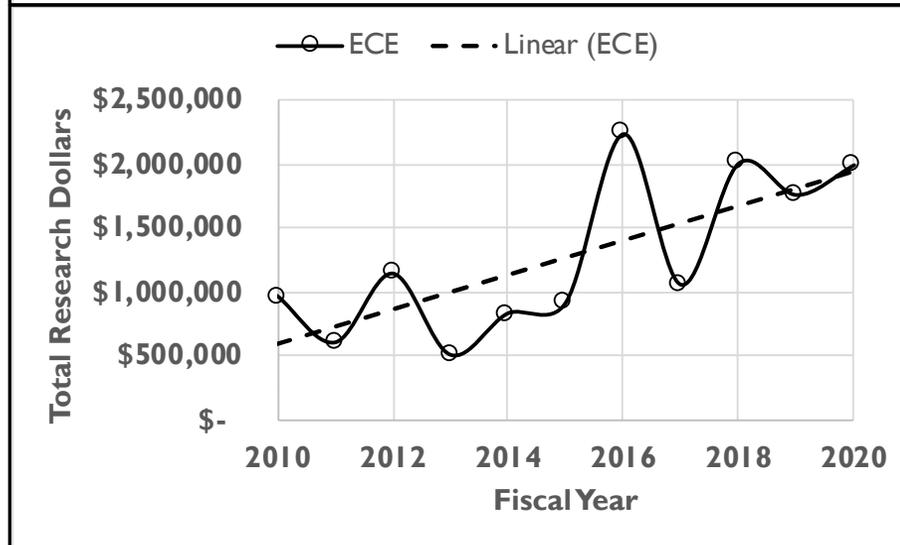
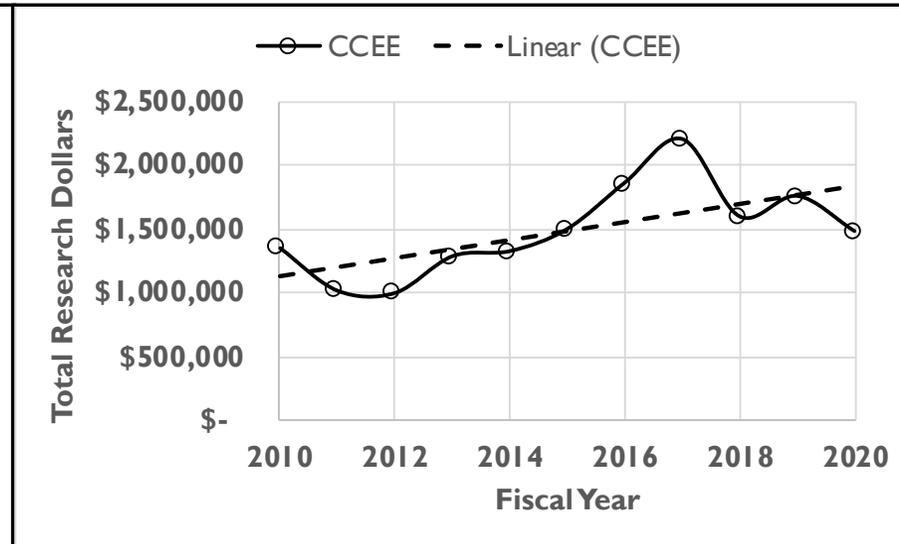
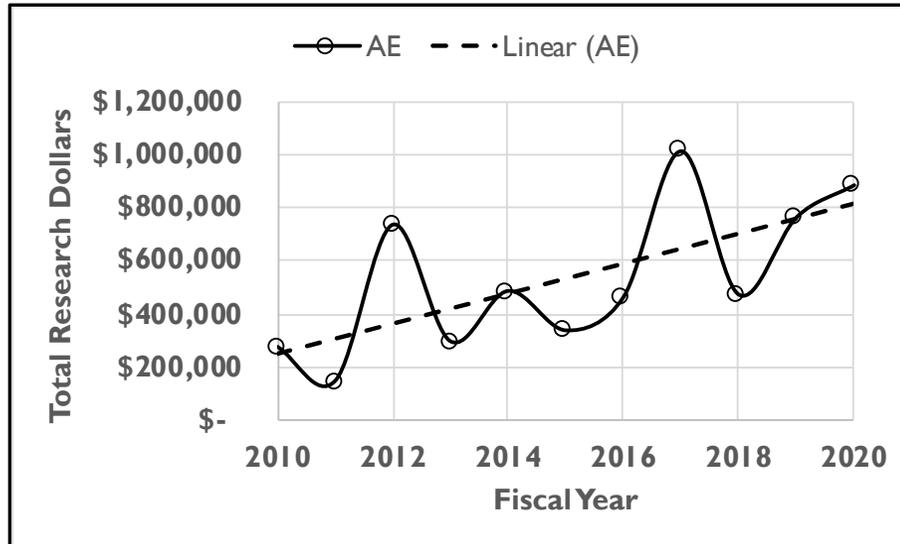


RESEARCH DOLLARS BY DEPARTMENT



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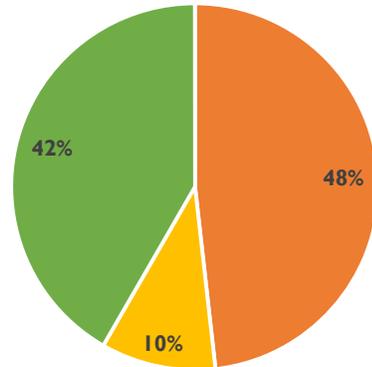
RESEARCH ACTIVITY BY FACULTY RANK



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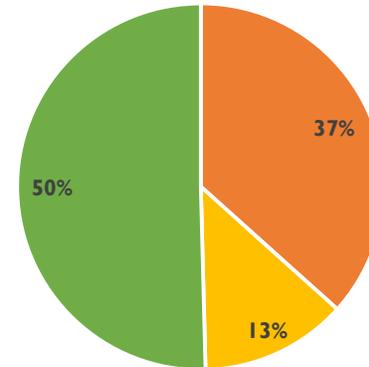
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FY2020 # Proposal Submitted



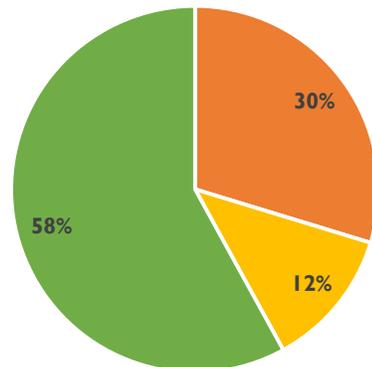
Assistant Professors Associate Professors Full Professors

FY2020 # Awards



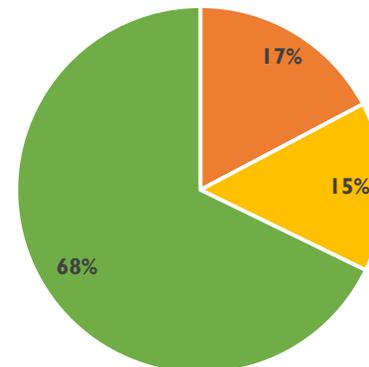
Assistant Professors Associate Professors Full Professors

FY2020 Research Dollars



Assistant Professors Associate Professors Full Professors

FY2020 Project Expenditures



Assistant Professors Associate Professors Full Professors



PUBLICATION EFFICIENCY OF ENGINEERING FACULTY

The h-index is defined as the maximum value of h such that the given author/journal has published h papers that have each been cited at least h times. The h-index normalized by the number of career years is called m-index and enables cross comparison between scholars at different stages in their careers.

J MATER RES TECHNOL. 2017;6(4):304-311

Available online at www.sciencedirect.com




Journal of Materials Research and Technology
www.jmrt.com.br

Original Article

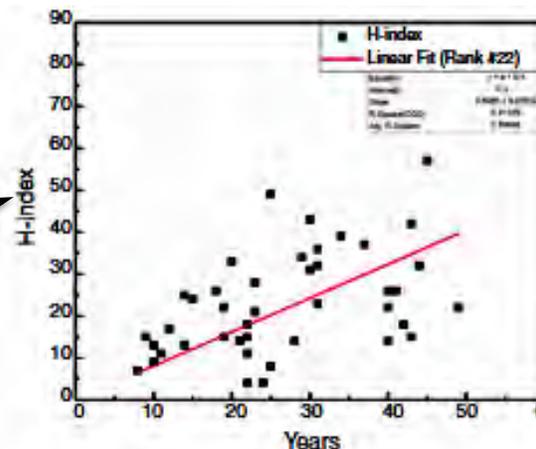
The use of the h-index to evaluate and rank academic departments

Marc André Meyers*, Haocheng Quan

Department of Mechanical and Aerospace Engineering, Materials Science and Engineering Program, University of California, San Diego, United States



UCSD MAE

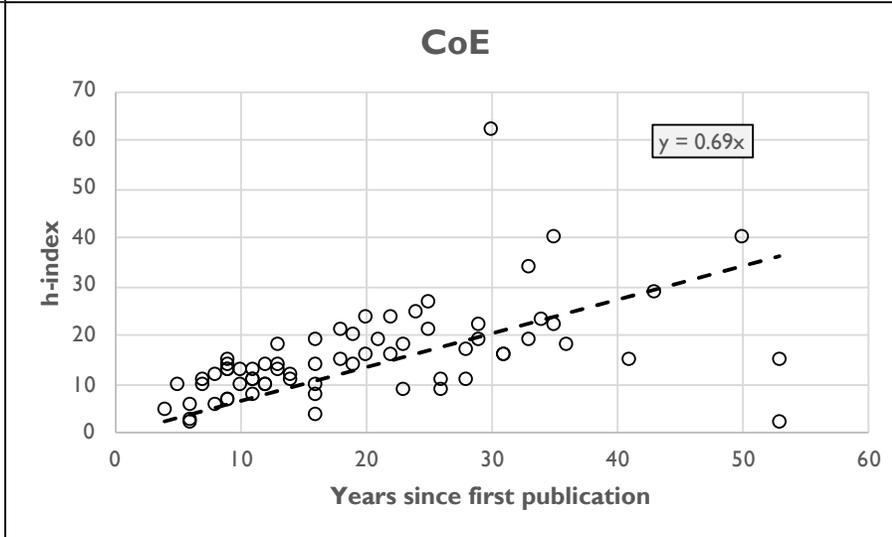
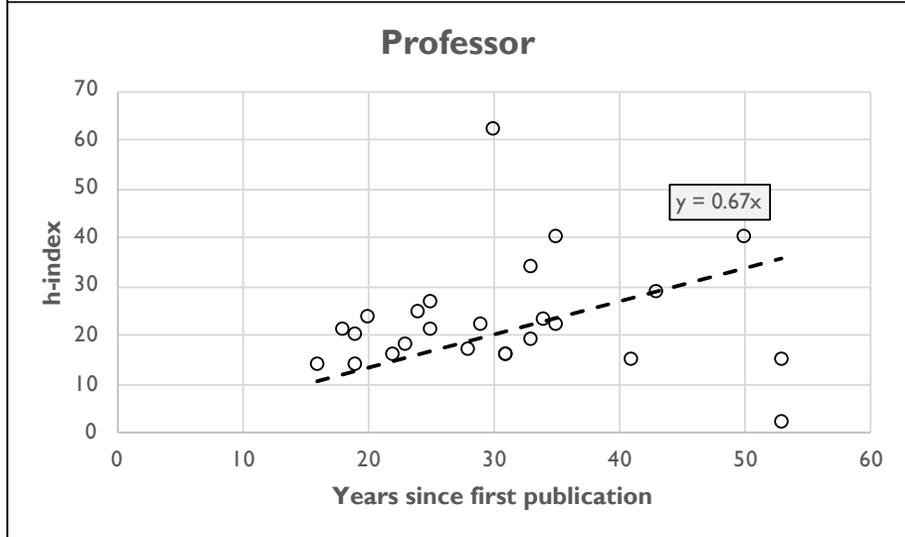
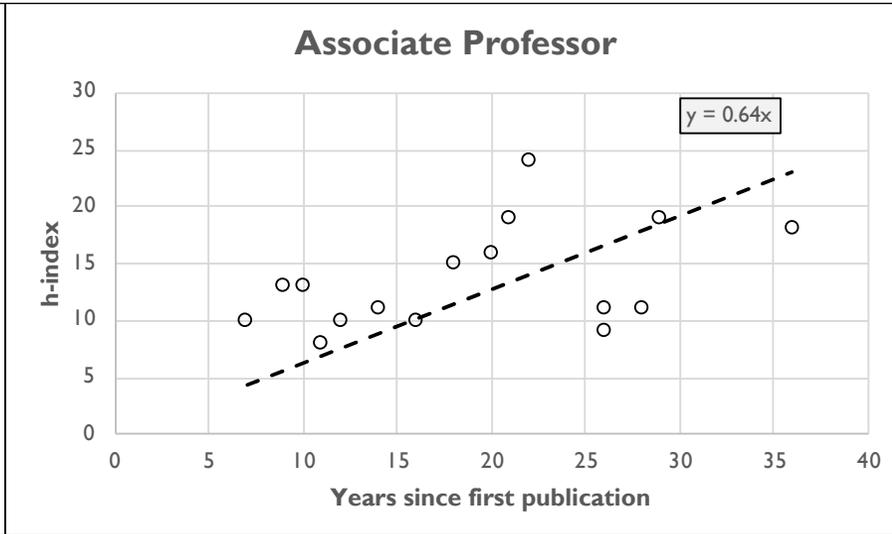
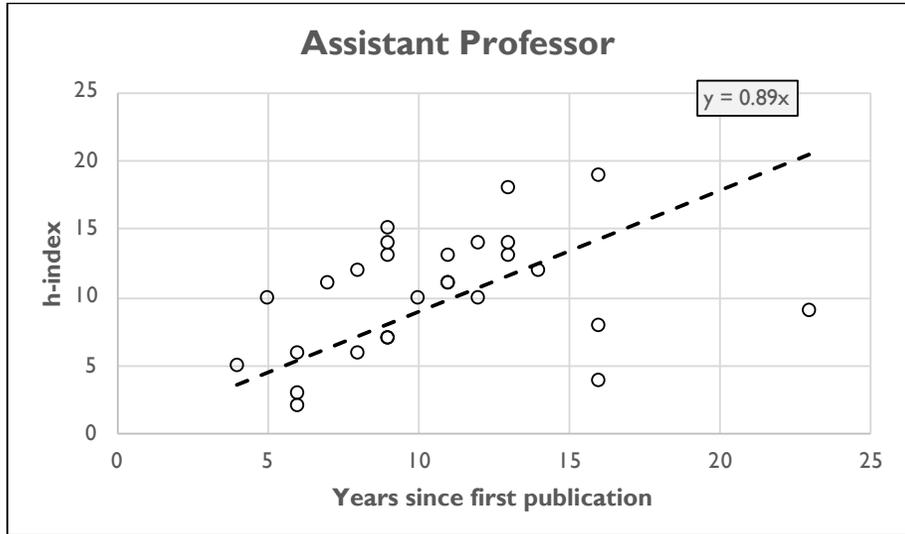


$$m \text{ index} = h \text{ index} / (\text{number of years since first publication})$$

Table 2 – Departmental Productivity Indices and R² values for productivity plots of ME departments of representative institutions in 2017.

Institution	Geographical area	USNWR ME department rank	Departmental Productivity Index	R ²
Stanford University	W	1	0.99004	0.71148
Georgia Institute of Technology	E	6	0.7486	0.7055
University of Texas—Austin	C	11	0.78417	0.67599
Northwestern University	C	14	1.03977	0.73849
University of California—San Diego	W	22	0.8086	0.80608
North Carolina State University	E	42	0.58015	0.74011
University of Illinois—Chicago	E	49	0.70614	0.84288
Mississippi State University (Bagley)	C	95	0.62042	0.64077
San Diego State University	W	133	0.50389	0.75379

2020 M-FACTORS BY RANK

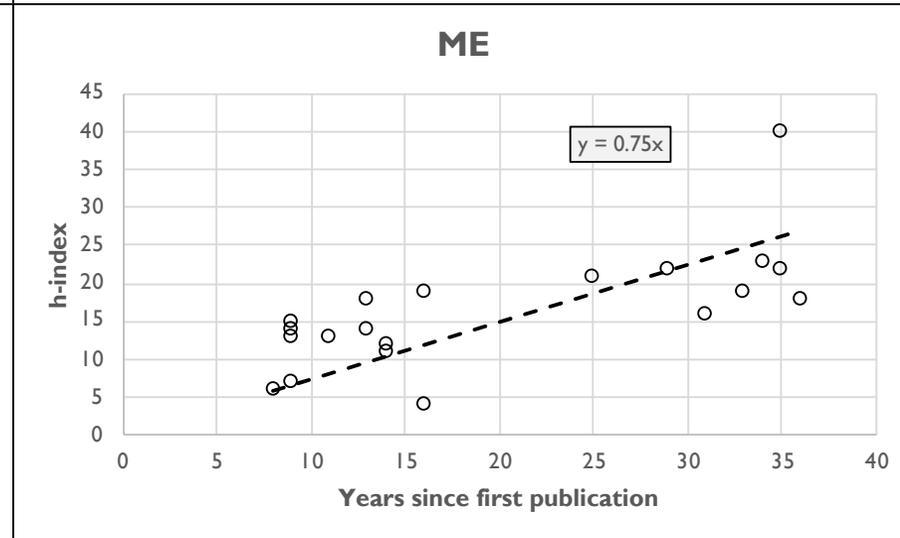
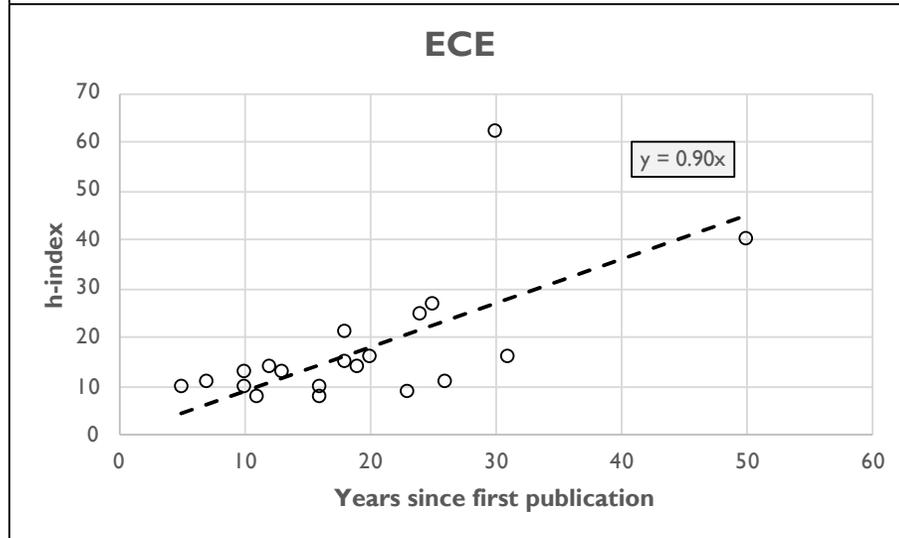
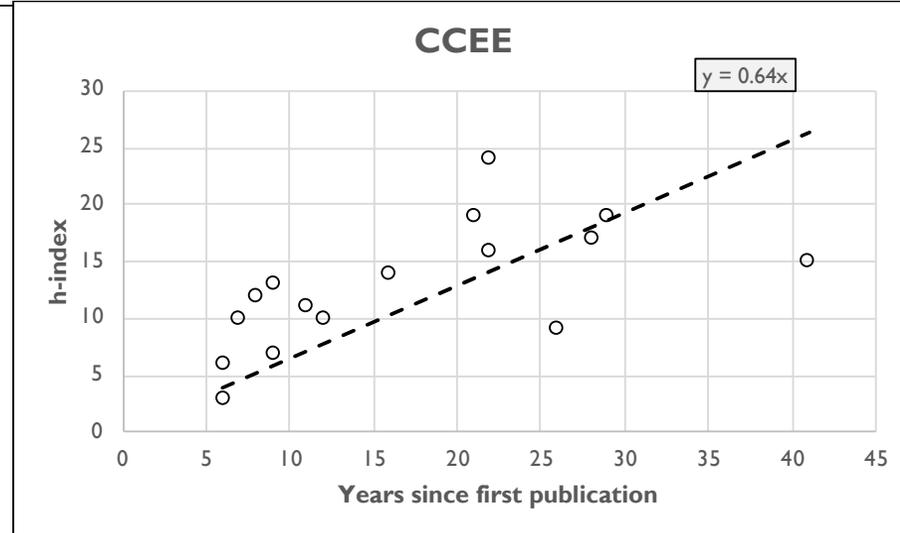
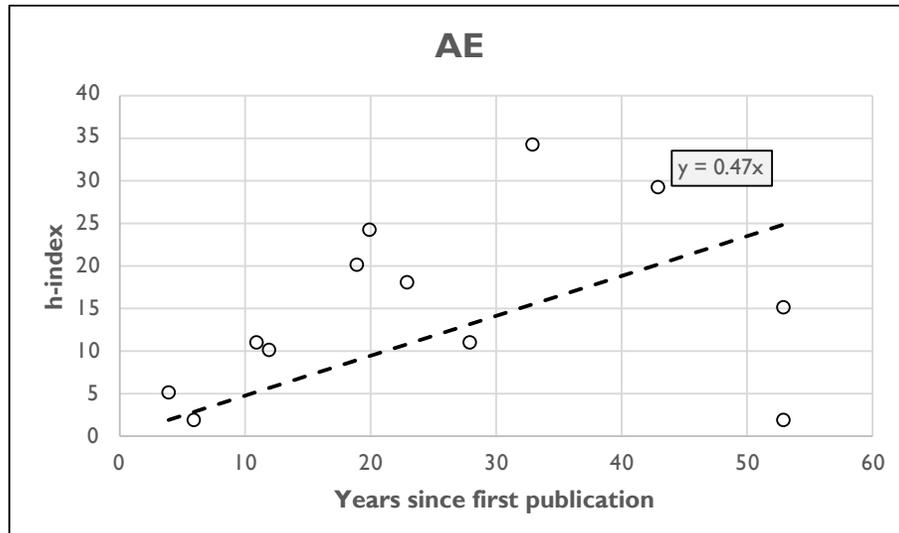


2020 M-FACTORS BY DEPARTMENT



SAN DIEGO STATE UNIVERSITY

College of Engineering



2019 & 2020 M-FACTORS



SAN DIEGO STATE
UNIVERSITY

College of Engineering

Dept	2019	2020
AE	0.46	0.47
CCE	0.63	0.64
ECE	0.76	0.90
ME	0.74	0.75
CoE	0.64	0.69

Dept	2019	2020
Assistant Professor	0.80	0.89
Associate Professor	0.65	0.64
Professor	0.62	0.67
CoE	0.64	0.69

JDP UPDATE

- 85 applications were received for F2020 admission cycle

Review Date	# Applications	Recommended	Recommended with letter from co-advisors	Not Recommended
13-Mar-20	35	13	17	5
27-Mar-20	16	7	2	7
17-Apr-20	7	1	3	3
5-May-20	2			2
12-May-20	4	1		3
18-Jun-20	1			1
6-Jul-20	3	1		2
TOTAL	68	23	22	23

JDP UPDATE



SAN DIEGO STATE
UNIVERSITY

College of Engineering

- 25 of the recommended applications were forwarded to UCSD departments
- 20 applicants were approved by UCSD departments
- 13 applicants were admitted by both SDSU and UCSD graduate divisions
- Four requested deferral to Spring 2021 or Fall 2021
- Fall 2020 enrollment ~ **45 (returning)** + **7 (new)** = **52**

THE FUTURE OF JDP - TUITION FEES



SAN DIEGO STATE
UNIVERSITY

College of Engineering

- The enrollment in the Engineering JDP is at a historic high
- It has increased from ten students in fall 2009 to 49 in fall 2019 (52 students fall 2020?)
- The program's current allocation of waivers are 60 for basic tuition and 30 for nonresident tuition
- Nonresident students pay both basic and nonresident tuition fees

THE FUTURE OF JDP - TUITION FEES



SAN DIEGO STATE
UNIVERSITY

College of Engineering

- The College has already exceeded its allocation for nonresident waivers
- The allocation for basic tuition waivers is expected to be exceeded in the fall 2021 admission cycle
- The VPR and the Provost have affirmed that the College of Engineering will admit only additional students when the basic and nonresident tuitions are covered from other funding sources

THE FUTURE OF JDP - TUITION FEES



SAN DIEGO STATE
UNIVERSITY

College of Engineering

- Options:

1. Limit the total number students to 60 (and nonresidents 30),
2. Individual faculty recruiting students without tuition waivers to cover all the fees, or
3. All faculty with students in the program contribute to the tuition fees for the students without waivers.

THE FUTURE OF JDP - TUITION FEES



SAN DIEGO STATE
UNIVERSITY

College of Engineering

Contribution Rate to Basic Tuition Fund

Total # students	# students without basic tuition waivers	Basic tuition fund needed	Basic tuition fund contribution rate per student
61	1	\$ 5,932	\$ 98
62	2	\$ 11,864	\$ 192
63	3	\$ 17,796	\$ 283
64	4	\$ 23,728	\$ 371
65	5	\$ 29,660	\$ 457
66	6	\$ 35,592	\$ 540
67	7	\$ 41,524	\$ 620
68	8	\$ 47,456	\$ 698
69	9	\$ 53,388	\$ 774
70	10	\$ 59,320	\$ 848

THE FUTURE OF JDP - TUITION FEES



SAN DIEGO STATE
UNIVERSITY

College of Engineering

Nonresident Tuition Fund

Total # nonresident students	# students without nonresident tuition waivers	Nonresident tuition fund needed	Nonresident tuition fund contribution rate per student
31	1	\$ 4,752	\$ 154
32	2	\$ 9,504	\$ 297
33	3	\$ 14,256	\$ 432
34	4	\$ 19,008	\$ 560
35	5	\$ 23,760	\$ 679
36	6	\$ 28,512	\$ 792
37	7	\$ 33,264	\$ 900
38	8	\$ 38,016	\$ 1,001
39	9	\$ 42,768	\$ 1,097
40	10	\$ 47,520	\$ 1,188

THE FUTURE OF JDP - UCSD FEE



SAN DIEGO STATE
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College of Engineering

- The CoE pays \$5.5k per year for each UCSD co-advisor
- A faculty with:
 - one student in the program will pay \$2.75k per year
 - two students in the program will pay \$2.75k per year for the first student and \$1.375k per year for the second
 - three or more students in the program will not pay for third, the fourth, and so on students

MS PROGRAMS UPDATE



New CA Resident Master's Seeking

Program	Applications		Admits			Intents to Enroll	
	F 2019	F 2020	F 2019	F 2020	F20 Target	F 2019	F 2020
AE	27	29	22	21	22	12	13
BIO	15	19	10	15	10	2	7
CIVE	32	26	24	23	24	18	11
ECE	31	40	24	35	24	17	26
ENVE	7	2	6	2	6	5	0
M. Eng	6	0	1	0	2	0	0
ME	34	29	26	21	25	17	15
Total	152	145	113	117	113	71	72

F2019 counts as of July 19, 2019

F2020 counts as of July 17, 2020

MS PROGRAMS UPDATE



New Nonresident & International Master's Seeking

Program	Applications		Admits			Intents to Enroll	
	F 2019	F 2020	F 2019	F 2020	F20 Target	F 2019	F 2020
AE	25	16	17	8	17	3	1
BIO	16	13	11	7	11	3	4
CIVE	39	35	17	15	17	5	7
ECE	138	81	72	58	72	22	10
ENVE	13	1	7	1	7	4	0
M. Eng	8	8	2	6	2	1	0
ME	34	30	20	19	20	8	5
Total	273	184	146	114	146	46	27

F2019 counts as of July 19, 2019

F2020 counts as of July 17, 2020



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UNIVERSITY

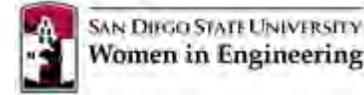
College of Engineering

COMMUNITY & COMMUNICATION

FEMINEER® & WOMEN IN ENGINEERING



SAN DIEGO STATE UNIVERSITY
College of Engineering



Affiliate University Partner Monthly Meetings

- Zoom meetings with Cal Poly Pomona partners
- Effort to collaborate on more joint efforts



Connecting with Femineer® Teachers

- Virtual Office Hours Sessions via scheduled Zoom meetings
- Femineer® Course Refresher Zoom Webinars (Summer & Fall)
- NEO Learning Management System Roll Out
 - Houses Femineer® curriculum, access supplies list, post updates and event flyers, allows teachers to interact with each other via forums

Connecting with Femineer® Students

- Femineer® Friday
 - Videos of hands-on activities
 - Features engineering students & WE staff
 - Available on SDSU Femineer® Program Youtube Channel
- Social Media (@Femineer_SD)
 - Twitter & Instagram
- Virtual Fall Outreach Events
 - Continue videos for Femineer® Friday activities (Youtube)
 - Girl Powered workshop (TBD - Zoom; stream on Youtube)
 - STEM Talk Day with Industry (Zoom Webinars)
- SDSU WE faculty coloring pages
 - Will post on our webpage and social media accounts in Fall



WE Faculty Monthly Meeting

- Virtual Zoom meetings
- Use of Google Docs to work simultaneously on joint grant efforts and share resources

WE webpage

- engineering.sdsu.edu/about/we_program
- WE faculty profiles, WE events (i.e. WE Chat, WE Do Coffee Hour, WE Industry Job Shadow/Networking/Research Opportunities), Alumnae Connect, WE in the News)



WE Chat

- Early Spring – offered 2 in-person
- Fall – offering virtually via Zoom



Coffee Hours

- Kicked-off in Spring through Zoom
- Host virtually throughout the Fall semester
- Connects WE undergraduate/graduates with WE faculty



STEM Talk Day with Industry

- Zoom Webinars
- Connects Femineer/WE students with industry partners and recruiters



WISE University Seminar Course (Fall)

- Zoom classes plus utilizing videos & interactive Blackboard features

UNIVERSITY SEGMENT

Virtual Services:



Fall 2020

Virtual STEM Engagements:

- Freshman & Transfer Courses
- MESA New Student Orientation
- *Industry Shadow Day*
- Industry Training Academy
- Industry Info Sessions
- *Resume Critique & Mock Interviews*
- *Virtual Alumni (Panels)*
- IDEA Accelerator (Human Centered Design)



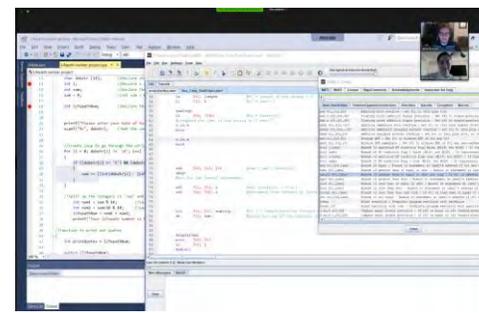
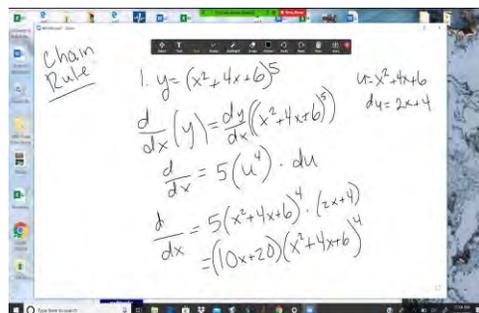
Virtual Graduation Recognition



MESA Jr Research Academy – Hands-on partnership w/WIRLab



Zoom Tutoring w/digitizer



COLLEGE PREP SEGMENT

Fall 2020

Virtual Student Engagement:

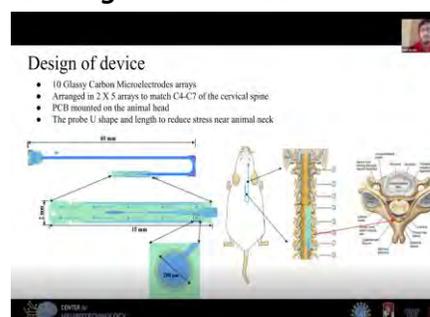


- Weekly STEM Modules
- Mentor/Career Exploration **Webinar Series**
- STEM Challenges (via **social media**)
- Life Skills Workshops (Resume/Interview)
- College Applicant Assistance
- Teacher/Advisor Distance Learning Support

Coca Cola Recycle Project Social Media - STEM Challenge



Undergraduate Research Panel





TROOPS TO ENGINEERS

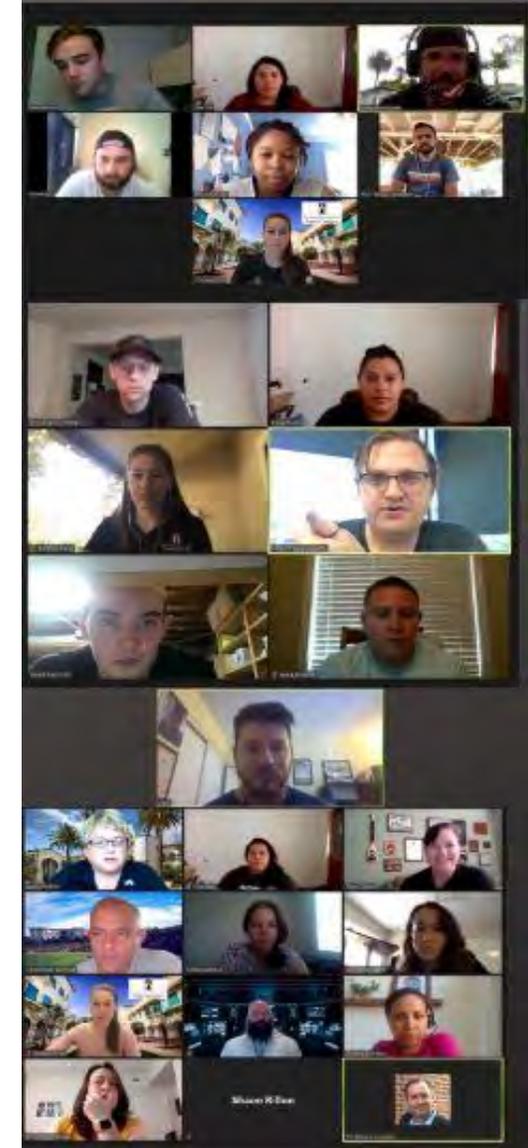


Business as Usual: “Adapt and Overcome”

- Support with obtaining paid internship and jobs
- Community and industry Partner engagement
- Compiling and consolidating University relevant resources for students
- Implementing a variety of virtual tools to efficiently communicate with students (**Zoom, GoogleMeet, GroupMe, Youtube**, etc.)

New ways to interact and support: “Mind over Matter”

- Check-in with students
 - ◆ Lunch Hour Check-in (every Wednesday)
- Virtual Professional Development events
 - ◆ Welcome Back Mixer - Engineering Panel
 - ◆ 1x1 Mock interviews and Resume Reviews
 - ◆ Company Information Session
 - ◆ Alumni Panel
 - ◆ Current student Panel
- Community Outreach
 - ◆ Cammies to College
- **Camaraderie Connection** - Mentorship/guidance element of T2E - more details coming soon





SAN DIEGO STATE
UNIVERSITY

College of Engineering

COE IMPORTANT DATES TO REMEMBER

FALL 2020 - CoE IMPORTANT DATES TO REMEMBER



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- **October 13, 2020 (Tue)** – 11:00am-12:00pm – **CoE Faculty Mtg** – via Zoom
- **October 15, 2020 (Thu)** – 1:30pm-2:30pm – **CoE Staff Mtg** – via Zoom
- **November 6, 2020 (Fri)** – 8:30am-1:00pm – **Engineering Dean’s Advisory Board Mtg** – via Zoom
- **December 1, 2020 (Tue)** – 11:00am-12:00pm – **CoE Faculty Mtg** – via Zoom
- **December 3, 2020 (Thu)** – 1:30pm-2:30pm – **CoE Staff Mtg** – via Zoom
- **December 2020 – Engineering Commencement** – Details to be confirmed at a later date



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UNIVERSITY

College of Engineering

**APPROVAL OF 4/21/2020
COE FACULTY MEETING MINUTES**



SAN DIEGO STATE
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College of Engineering

SMART GOALS FOR COE 2020 - 2025

PRESENTED BY DR. MAHASWETA SARKAR
CHAIR, COE DEI COUNCIL
ON BEHALF OF THE COE DEI COUNCIL

SMART GOALS FOR CoE: 2020 - 2025

Where did the Goals come from?

- **College Climate Survey**
 - *Analyze Survey Data*
 - *Especially questions on:*
 - *Feeling valued*
 - *Work for SDSU*
 - *Personal opinions*
- Voice of Faculty and Staff

Department Level

- Department DEI Committee by 11/2020
- Communicate with College DEI Committee to implement Goals
- College DEI Rep = Chair of Dept. DEI Committee – GREAT!
- Chair's involvement initially – NEEDED!

3 Smart Goals

- Objective
 - Rationale
 - General Strategies
 - Resources
 - Responsibilities
 - Assessment
-
- Strategies **SUGGESTED**
 - Dept. **DECIDES**
 - Together we **COMMIT**

Goal#1: Improve Gender Diversity in Faculty

Objective: Female faculty from current 12.8% to 18% by 2025

Strategy #1

**Use Building on
Inclusive
Excellence (BIE)
Criteria**

Strategy #2:

**Inclusion
Representatives**

Strategy #3:

Implicit Bias Training

Strategy #4:

**Improve Pool
Proportionality**

Goal#2: Create a Pathway for Students from URM backgrounds to enter Graduate Programs

Objective: W(32%), L(22%), AA(1.5%), NA(0.5%)

Strategy #1:

Create Awareness of Graduate school (talks, presentations)

Key Organizations

- MESA: Math Engineering Science Achievement
- NSBE: National Society of Black Engineers
- SHPE: Society of Hispanic Professional Engineers
- CESC: College of Engineering Student Council
- WE: Women in Engineering/Femineer
- NASA: Native American Student Alliance

Strategy #2:

Build Self-Efficacy in STEM (summer workshops, research)

Existing Programs that we can utilize

- College Day
- WE-Chat/WE-Coffee
- NSBE/SHPE General Body Meetings
- MESA Day Competition
- NSBE Outreach
- SHPE HS conference
- Visits to NA reserves (with NA DDI Liaison)

Strategy #3:

Facilitate in-person, hands-on college experiences (tours)

Goal#3: Create and sustain a climate to promote and nurture the growth and inclusion of faculty and staff

Objective: To increase “feeling-valued” index of faculty and staff by 15%

Strategy #1

Establish the College Diversity Committee

Strategy #2:

Faculty and Staff Recognition

Strategy #3:

Building a Collegial and Inclusive Dept/College

Some ideas:

- Potluck dinner to commemorate the successful close of an academic year
- Faculty and staff can be recognized at this dinner and their achievements celebrated with a token
- Tea/Coffee times with graduate students, post doctorates, researchers, faculty members
- A ritual of celebrating promotions/specific years of service
- Promoting collegiality and camaraderie through activities like SDSU Engineering Nights with Padres, end-of-semester BBQ

CoE DEI Committee: SMART Goals

Goal #1:
Improve Gender Diversity in Faculty

Goal #2:
Create a Pathway for Students from URM backgrounds to enter Graduate Programs

Goal #3:
Climate to Promote and Nurture the Growth and Inclusion of students, faculty, and staff



	IMPLEMENTATION PLAN
College DEI Committee	Department DEI Committees: 10/2020
Guidelines	Embrace
Strategies	Calibrate / Modify
Accountability	<ul style="list-style-type: none"> • Commit to strategies that will move your Dept. forward • Communicate those strategies to CoE DEI Committee • CoE DEI will include those efforts in its annual report



SAN DIEGO STATE
UNIVERSITY

College of Engineering

OVERVIEW OF UNIVERSITY DIVERSITY PLAN

DR. JENNIFER IMAZEKI

ASSOCIATE CHIEF DIVERSITY OFFICER FOR FACULTY & STAFF

DR. NORAH SHULTZ

PROFESSOR & DIRECTOR OF INCLUSIVE CURRICULUM,
DIVISION OF STUDENT AFFAIRS & CAMPUS DIVERSITY



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INTERMISSION



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UPDATE ON COE CONSTITUTION BYLAWS

DR. JULIO VALDES
PARLIAMENTARIAN &
CHAIR OF CONSTITUTION & BYLAWS COMMITTEE

CONSTITUTION AND BYLAWS COMMITTEE



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College of Engineering

- E. Engin (ECE)
- K. Morsi (ME)
- B. Narang (AE)
- T. Mitropoulos (CCEE)
- J. Valdes (Parliamentarian)

CONSTITUTION AND BYLAWS TIMELINE



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College of Engineering

Sept 2014: Official C&B approved.

Feb 2018: Former CBC produces an edited document but Executive Committee is unable to review it (Dean Monte passed away March 2018).

Sept 2019: Dr. Yusuf Ozturk and Marcie Morihiro align/merge the official document with the edited document.

Oct 2019: Executive Committee edits the resulting document and submits it to current CBC.

Apr 2020: Executive Committee RTP criteria and edited AT policy to current CBC.

CONSTITUTION AND BYLAWS



SAN DIEGO STATE
UNIVERSITY

College of Engineering

CONSTITUTION

1. Name and Standing
2. Vision and Mission
3. Academic Departments

BYLAWS

1. Organization
2. Faculty Assembly
3. Standing Committees
4. Student Honors and Awards
5. Workload ([Appendix A](#))
6. RTP Criteria ([Appendix B](#))
7. Voting
8. Parliamentary Authority
9. Implem., Amendment and Repeal

APPENDIX A. Workload Allocation Policy

1. Normal work assignment
2. Faculty teaching workload
3. Assigned time (AT) definition
4. AT for research
5. AT for pedagogy/service
6. Teaching load for *new* faculty
7. AT reconsiderations

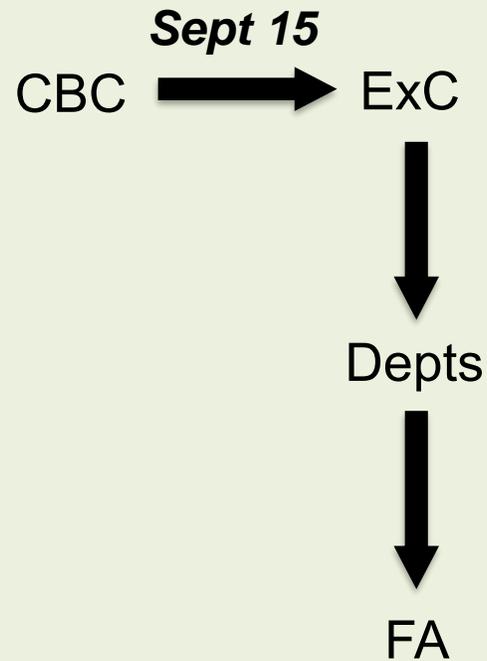
APPENDIX B. RTP Criteria

CONSTITUTION AND BYLAWS

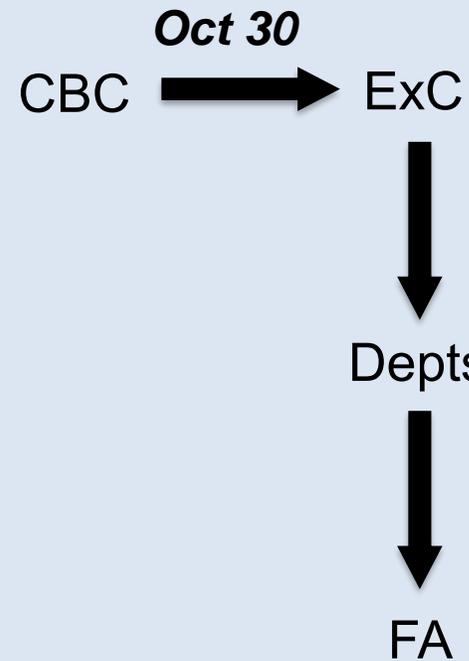


CONSTITUTION & BYLAWS

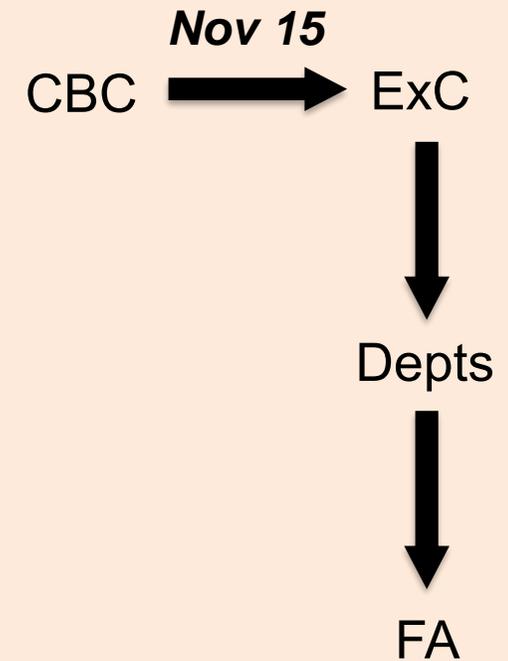
(excluding Appendices)



APPENDIX A (AT)



APPENDIX B (RTP)





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UPDATE ON ENGINEERING DEVELOPMENT ACTIVITIES

KATE CARINDER
SR. DIRECTOR OF DEVELOPMENT - ENGINEERING
UNIVERSITY RELATIONS & DEVELOPMENT

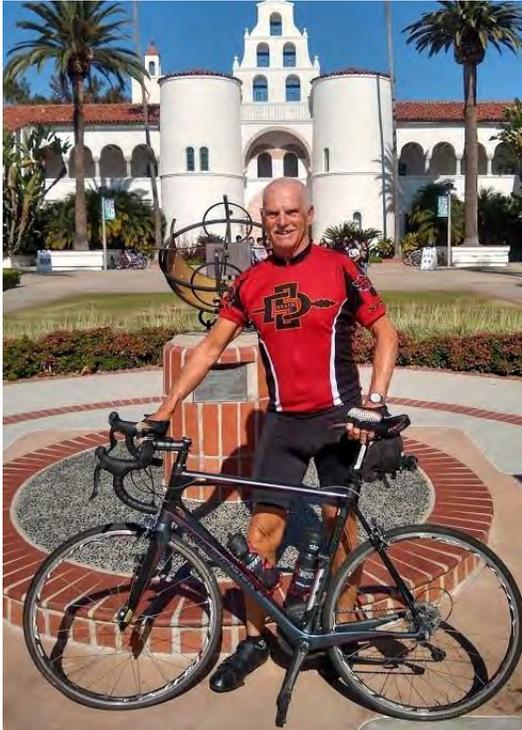
DEVELOPMENT UPDATE



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- 2019-2020 was a record year for Engineering - \$5.9M raised!
- Highlighted Gifts:



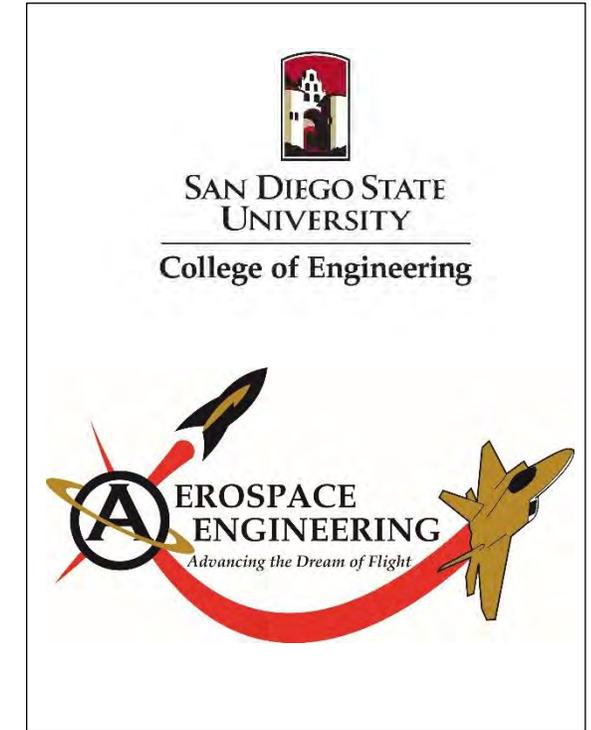
Paul Stuverud



Dr. Szeto



Dr. Woodcock



**Wayne E. & Mary Beitler
Leutloff Estate**

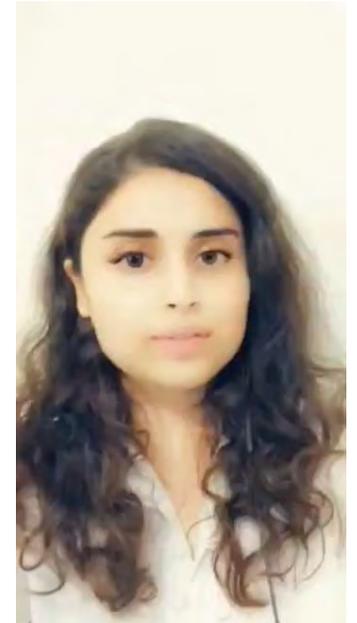
DEVELOPMENT UPDATE



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- Development Priorities FY20/21
 - Faculty Support
 - CEM Program
 - Mechanical Engineering
 - Student Support
 - Scholarship
- Students Thank Our Donors





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UPDATE ON 'BUILDING A' CONSTRUCTION

KARA PETERSON

CONSTRUCTION PROGRAM MANAGER



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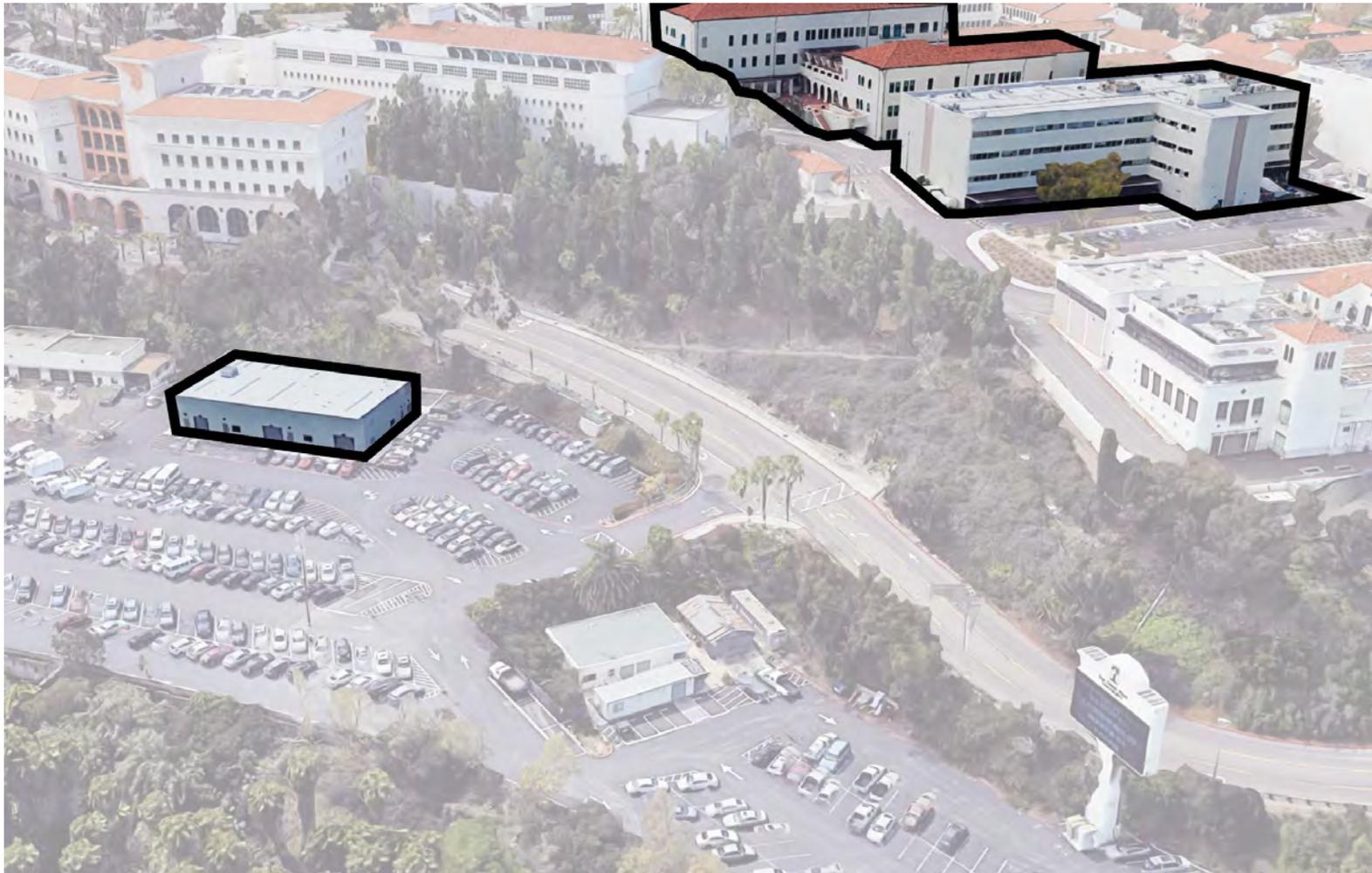
BUILDING A

CAMPUS LOCATION



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CURRENT INTERIOR



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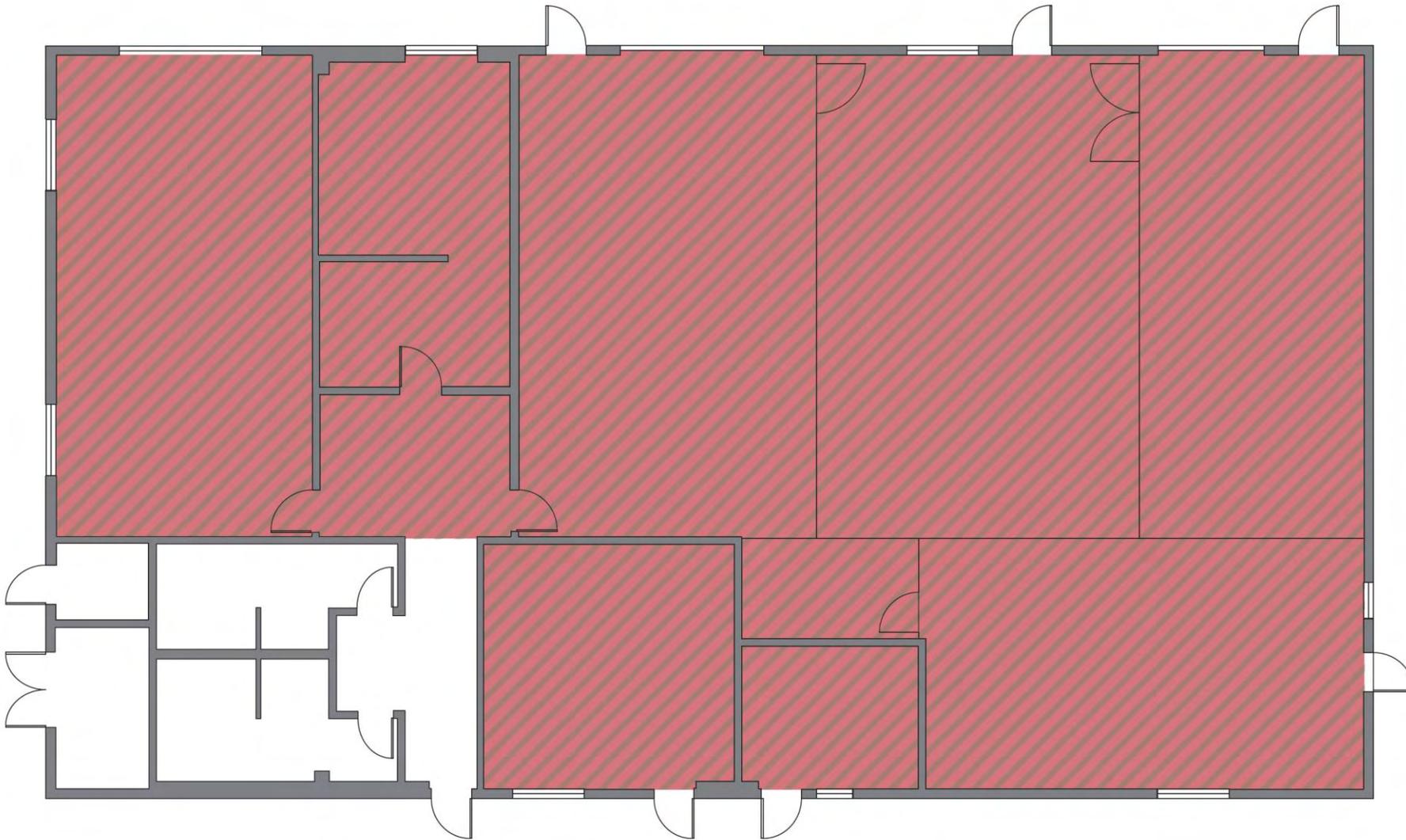


DEMOLITION



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DEMOLISH EXISTING INTERIOR WALLS



EXISTING WALLS AND SPACES TO REMAIN

MILESTONE SCHEDULE

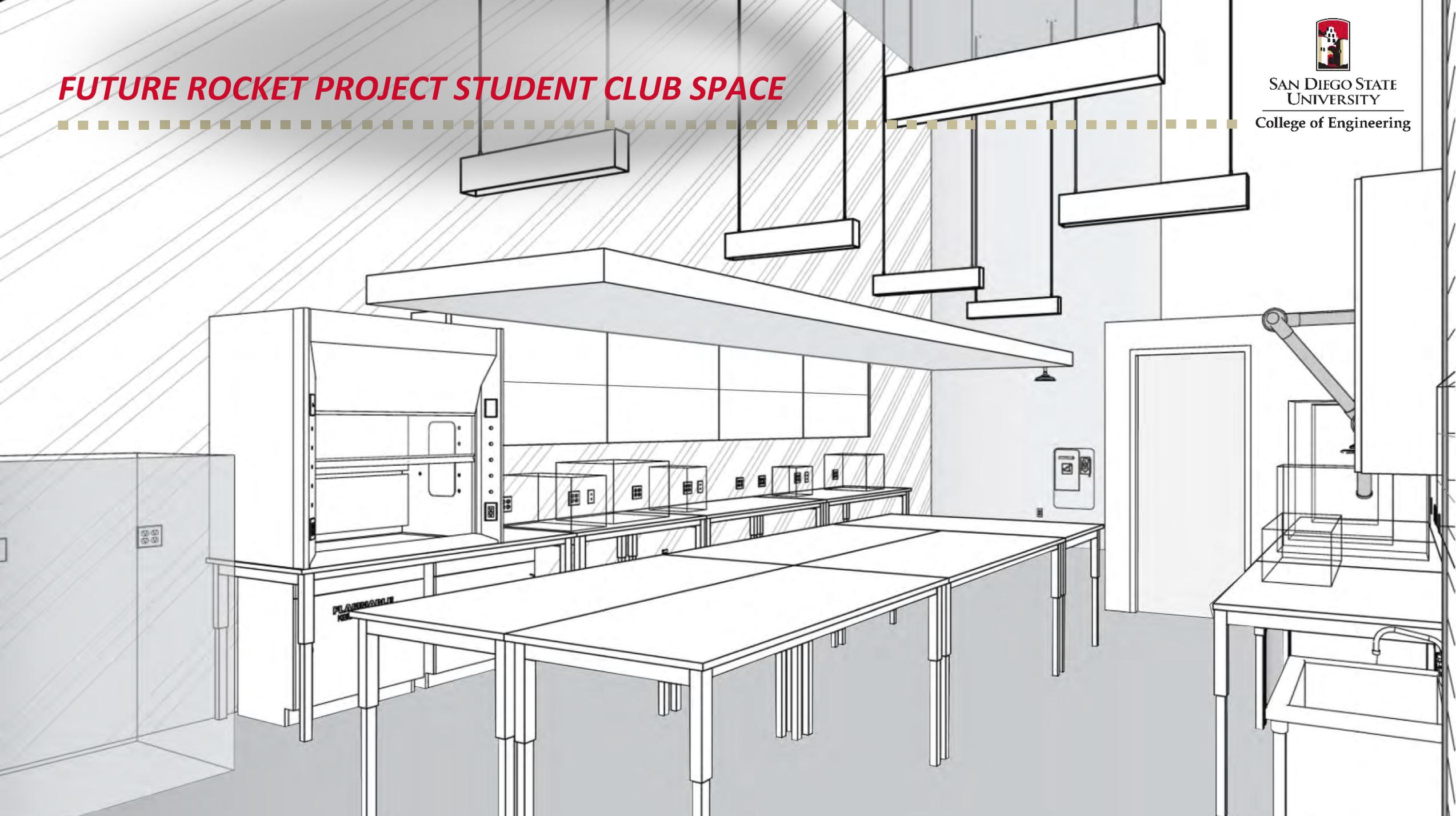


ACTIVITY	ANTICIPATED DATES
MOVE ITEMS	NOW – MID-SEPTEMBER 2020
DEMOLITION	OCTOBER – NOVEMBER 6, 2020
SITE PREP/EXTERIOR SKIN	NOVEMBER 9, 2020 – JANUARY 4, 2020
INTERIOR UNDERGROUND	NOVEMBER 9, 2020 – NOVEMBER 24, 2020
INTERIOR ROUGH IN	NOVEMBER 23, 2020 – JANUARY 25, 2020
INTERIOR FINISHES	JANUARY 26, 2020 – MARCH 19, 2020
TEST/INSPECT BUILDING SYSTEMS	FEBRUARY 15, 2020 – MARCH 19, 2020
MOVE IN/OCCUPANCY	MARCH 19, 2020 – MARCH 31, 2020

FUTURE ROCKET PROJECT STUDENT CLUB SPACE



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CLOSING REMARKS



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THANK YOU!