The Collegial Assembly was called to order at 3:00 PM by Dean Klein. 114 attendees were present and included both faculty and staff. A motion to approve the minutes of the July 14, 2020, Collegial Assembly was approved by raise of hands in Zoom.

- **Undergraduate Program Items**

Assistant Dean Mike Lawlor presented a set of proposed changes to undergraduate programs.

<table>
<thead>
<tr>
<th>Level</th>
<th>Department</th>
<th>Degree Type</th>
<th>Degree Program</th>
<th>Change Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Under-</td>
<td>Mathematics</td>
<td>Minor</td>
<td>Mathematics</td>
<td>Restructure</td>
<td>Reduce required number of courses</td>
</tr>
<tr>
<td>grad</td>
<td></td>
<td>B.A. and</td>
<td>Mathematics with Teaching</td>
<td>Array</td>
<td>Update computing requirement options</td>
</tr>
<tr>
<td></td>
<td></td>
<td>B.S. B.S. B.A.</td>
<td>Mathematical Economics</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Minor in Mathematics Requested Program Change: Restructure**

Reduce required number of courses from 8 to 7 by eliminating one elective

**Rationale**

The current requirements for a minor include 8 courses and at least 27 credits. This total is over half of the 13 mathematics courses required for a Mathematics, BA degree and more than is required of any other minor in our college. The current requirements are also more than the University guidance for minors found in the Bulletin ([https://bulletin.temple.edu/academic-programs/](https://bulletin.temple.edu/academic-programs/)), copied below. Reducing the required number of courses would put our minor more in line with the College and University standards and potentially be more attractive to students.

Update the computing requirement options to include CIS 1051 Introduction to Problem Solving and Programming in Python as well as newer courses MATH 1033 Computing in MATLAB and MATH 1034 Applications in MATLAB. Current options (MATH 1033 AND PHYS 2511) and CIS 1053 will be removed.

Rationale
Students are interested in taking CIS 1051 and find Python to be useful in their degree programs. In addition, the Economics Department has asked the Math Department to add that course as an option for the Math Econ degree. CIS 1051 and CIS 1057 Computer Programming in C are taught at similar levels and share the same prerequisites. There is no good reason not to include CIS 1051 as a computing option.

All of the motions to enact these two program changes were approved via launched zoom poll, by 50% of the approved voting members. The program proposals will be submitted for approval at the October 13, 2020 Board of Trustees meeting. If approved by the Board of Trustees, these program changes will take effect in Spring 2021.

- **DEI Committee related items (2) (R. Souvenir*)**
  DEI committee formation and members discussed and information on the upcoming DEI committee meetings including the CST Town Hall meet on October 1, 2020 at 4PM, via Zoom.

- **State of the College / Looking ahead (Dean Klein)**
  View the Deans’ Power point Presentation: slides 9 - 46 (attached)

- **Old Business - NONE**

- **New Business - NONE**

- **Adjourn @ 4:09PM**
WELCOME

Collegial Assembly
September 25, 2020

Michael L. Klein, FRS
Temple University
Philadelphia PA 19122 USA
Agenda

- 2:45 pm - Zoom open: https://temple.zoom.us/j/99402013203
- 3:00 pm - Call to order - Dean Klein
- Approval of the minutes of July 14, 2020 Collegial Assembly
  - Link: https://cst.temple.edu/faculty-staff/collegial-assembly
- Undergraduate Program Changes (Mike Lawlor)
  - Link: https://cst.temple.edu/faculty-staff/collegial-assembly
- DEI Committee related items (2) (R. Souvenir*)
- State of the College / Looking ahead (Dean Klein)
- Old Business
- New Business
- Adjourn
APPROVAL OF MINUTES

CST COLLEGIAL ASSEMBLY
JULY 14, 2020
“Quatorze Juillet”
Bastille Day ⇔ 1789

Déclaration des Droits de l'Homme et du Citoyen

Claude Monet
July 14, 1878
To whom it may concern:

Bingxin Shen <bingxin.shen@temple.edu>, received her Ph.D. in Electrical Engineering from Stony Brook University in 2011. Dr. Bingxin Shen was an Associate Scientist at the Howard Hughes Medical Institute at Columbia University Medical Center before joining the Computer Information Sciences (CIS) Department at Temple University.

Dr. Bingxin Shen’s research in image processing led her to work with 2017 Nobel Laureate Dr. Joachim Frank on the determination of the structure of the Ribosome by electron microscopy (CV attached). She has been a mentor, advisor and lecturer for Columbia/Barnard Amgen Scholars Summer Research Program, and Stony Brook University’s Women in Science and Engineering (WISE).

Dr. Bingxin Shen’s outstanding interdisciplinary research experience and excellent presentation skills made her one of the very best of the teaching faculty in the Temple University CIS Department. For instance, she has received ALL Upper Level reviews for the core courses she taught (Student Feedback Forms attached).

The CIS Department is sponsoring Dr. Bingxin Shen EB applications so that she will be able to focus and continue developing and delivering the best teaching to the CIS students.

For all of the above reasons, the CIS Department and the College of Science & Technology (CST) agree to cover the USCIS visa filing expenses. It is understood that Dr. Bingxin Shen will pay for the associated attorney fees.

Sincerely,

Michael L. Klein, FRS
Dean, College of Science & Technology
Undergraduate Program Changes (Michael Lawlor)
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State of the College/
Looking Ahead
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Sincerely,

Michael L. Klein, FRSE
Dean, College of Science & Technology
What has changed since July 14..?
COVID-19 Deaths Per Day

Coronavirus map, graphs display number of cases, deaths in Pennsylvania

Data: Johns Hopkins University CSSE
Daily COVID-19 cases*

* Cases include confirmed and probable cases
TEMPLE DAILY COUNT
ACTIVE CASES = 62 (9/24)

Date: February 8, 2018

Re: Bingxin Shen PhD, Assistant Professor of Instruction, Temple University

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Dean, College of Science & Technology

State of the College
Dean Klein

What has changed since July 14..?
Where Did All the Students Go?

Five views on the great enrollment crash
More students apply to our college than any other school/college @ temple
## New Students 2019 & 2020

<table>
<thead>
<tr>
<th></th>
<th>Applications</th>
<th>Admits</th>
<th>Enrolled</th>
<th>Transfers</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FOX</strong></td>
<td>6847</td>
<td>3926</td>
<td>970</td>
<td>600</td>
</tr>
<tr>
<td></td>
<td>6441</td>
<td>4412</td>
<td>985</td>
<td>452</td>
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<tr>
<td><strong>CPH</strong></td>
<td>4992</td>
<td>2829</td>
<td>602</td>
<td>156</td>
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<tr>
<td></td>
<td>4765</td>
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<td>551</td>
<td>151</td>
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<td><strong>CLA</strong></td>
<td>6512</td>
<td>3646</td>
<td>776</td>
<td>377</td>
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<td></td>
<td>6493</td>
<td>4211</td>
<td>814</td>
<td>336</td>
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<tr>
<td><strong>CST</strong></td>
<td><strong>6991</strong></td>
<td><strong>4707</strong></td>
<td><strong>885</strong></td>
<td><strong>279</strong></td>
</tr>
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<td></td>
<td><strong>7122</strong></td>
<td><strong>5396</strong></td>
<td><strong>912</strong></td>
<td><strong>237</strong></td>
</tr>
</tbody>
</table>

- FOX: 2019 - 6847, 2020 - 6441
- CPH: 2019 - 4992, 2020 - 4765
- CLA: 2019 - 6512, 2020 - 6493
- CST: 2019 - 6991, 2020 - 7122

- FOX: 2019 - 3926, 2020 - 4412
- CPH: 2019 - 2829, 2020 - 3220
- CLA: 2019 - 3646, 2020 - 4211
- CST: 2019 - 4707, 2020 - 5396

- FOX: 2019 - 970, 2020 - 985
- CPH: 2019 - 602, 2020 - 551
- CLA: 2019 - 776, 2020 - 814
- CST: 2019 - 885, 2020 - 912

- FOX: 2019 - 600, 2020 - 452
- CPH: 2019 - 156, 2020 - 151
- CST: 2019 - 279, 2020 - 237
Where Do The UGs Go?
Fall 2019 All Non-Enrollers

Top 10 Destination Colleges

- Pennsylvania State University
- Record Not Found
- Drexel University
- Rutgers- The State University of NJ New Brunswick
- University of Pittsburgh
- West Chester University
- University of Delaware
- University of Maryland -College Park
- University of Connecticut
- St. Joseph’s University

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- Record Not Found
- Drexel University
- Rutgers- The State University of NJ New Brunswick
- University of Pittsburgh
- West Chester University
- University of Delaware
- University of Maryland -College Park
- University of Connecticut
- St. Joseph’s University

Temple Non-Enrollees:
The final head count for new CST first year students was:

<table>
<thead>
<tr>
<th>Year</th>
<th>UGs</th>
<th>Transfers</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>1054</td>
<td>2016</td>
</tr>
<tr>
<td>2017</td>
<td>1010</td>
<td>2017</td>
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<td>2018</td>
<td>956</td>
<td>2018</td>
</tr>
<tr>
<td>2019</td>
<td>885</td>
<td>2019</td>
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<tr>
<td>912</td>
<td>2020</td>
</tr>
<tr>
<td>237</td>
<td></td>
</tr>
</tbody>
</table>
## Fall 2020 CST Undergraduate Enrollments

### By Student Type & By Class Level

<table>
<thead>
<tr>
<th>Enrollment by Class Level</th>
<th>Fall 2020 (9/23/20)</th>
<th>Fall 2019</th>
<th>Fall 2018</th>
<th>Fall 2017</th>
<th>Fall 2016</th>
<th>Fall 2015</th>
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<tbody>
<tr>
<td>Freshman 0 to 29 Credits</td>
<td>1015</td>
<td>1025</td>
<td>1149</td>
<td>1214</td>
<td>1258</td>
<td>1243</td>
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<tr>
<td>Sophomore 30 to 59 Credits</td>
<td>866</td>
<td>923</td>
<td>910</td>
<td>1020</td>
<td>981</td>
<td>918</td>
</tr>
<tr>
<td>Junior 60 to 89 Credits</td>
<td>903</td>
<td>829</td>
<td>980</td>
<td>897</td>
<td>845</td>
<td>784</td>
</tr>
<tr>
<td>Senior 90 to 119 Credits</td>
<td>690</td>
<td>826</td>
<td>767</td>
<td>694</td>
<td>625</td>
<td>623</td>
</tr>
<tr>
<td>Senior/Fifth Year 120+ Credits</td>
<td>296</td>
<td>317</td>
<td>268</td>
<td>230</td>
<td>253</td>
<td>239</td>
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<td>Ugrad Non-Degree Seeking (Cert)</td>
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<td>0</td>
<td>1</td>
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<td>0</td>
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</tr>
<tr>
<td>Ugrad Non-Degree Seeking (Other)</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>26</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total Undergraduates</strong></td>
<td><strong>3770</strong></td>
<td><strong>3920</strong></td>
<td><strong>4075</strong></td>
<td><strong>4055</strong></td>
<td><strong>3988</strong></td>
<td><strong>3807</strong></td>
</tr>
</tbody>
</table>
What has changed since July 14..?

The Budget
What has changed since July 14..?

GROSS TUITION $95.8M ↔ $92.8M

$3 Million Loss is mostly from UGs
We need to focus on the undergraduate – freshman experience!! **

** Transfer students are a subject for concern

Why ..?
We need to focus on the undergraduate – freshman experience!!

CST has about 900 first year students ..
But at best it graduates 500 or so per year!!
FOX has about 1000 first year students..
But at best it graduates 1400 or so per year!!

We need to focus on the undergraduate – freshman experience!!
We need to focus on the undergraduate – freshman experience !!

How to improve things ..?
Spring 2021 Scenarios

Course Scheduling/Delivery Mode Scenarios

[With Relevance to Current Semester]
**Essentials Only:** This is the delivery mode we pivoted to on September 14 for the Fall 2020 semester.

- Credit-bearing courses for which educational objectives need some in-person instruction.
- Focus clinical placements, studio courses, research labs, performance classes

**Restricted:** This is the scenario that was in place on August 24 when the Fall semester began. It includes a mix of in-person, online and hybrid classes to meet the unique disciplinary and pedagogical needs of our programs and prioritizes the following:

- Freshmen who need to feel connected to their faculty and peers
- Seniors needing capstone & seminar courses to better prepare for post-graduate academic & career ops.
- Undergraduate and graduate programs with unique disciplinary needs
Experiential/Hands-On Learning: **Essentials-plus** focuses on a Temple strength. In addition to essentials-only courses, it includes courses that require:

- Specialized equipment necessary or a physical or tactile course product
- In-person instruction to meet accreditation standards or ensure students’ academic progress
- In person or onsite supervision
- Unique pedagogical or curricular components

**Mid-Semester Pivot:** This model would begin as essentials only and then, assuming conditions allow, pivot to a model offering more in-person options for the second half of the spring semester.

- In-person courses could be added in 7B or online full-semester courses could move to a hybrid model (e.g. begin to offer in-person recitation sections or in-person classes that are also taught online simultaneously).
- Co-curricular activities & voluntary in-person courses could be offered.
DISCUSSION

SCENARIOS FOR SPRING 2021 ..?
Student/Parent Expectations

“Temple is not a MOOC”

“Experiential/In-person-like engagement is essential”
Asynchronous versus Synchronous

“Here are the lectures –
Go forth and learn”

This is unacceptable !!
Expectation:
“UGs will get to ‘meet’ their instructors”

For example:
First Lecture is a zoom with the whole class..
Welcome and go over the syllabus, give a lecture..

Temple is not a MOOC
“Go forth and Learn” not an option
Instructors:
“Cannot change the mode of presentation or timing of a course after calling for a vote from students in a zoom meeting”

“Consensus voting online is not valid”
Kevin Delaney
Ideal would be to offer both Synchronous and Asynchronous versions of a course

Expectation: “UGs will ‘meet’ their instructors”
CST Faculty Hiring Freeze ...
But ...
New Faculty

Daniel K. Kim
Assistant Professor Chemistry
Organic/Biological

Hongchang Gao
Assistant Professor CIS
Machine/Deep Learning, Optimization, & Data Mining

<table>
<thead>
<tr>
<th>First Name, Last Name</th>
<th>Rank</th>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hongchang Gao</td>
<td>TT - Assistant Professor</td>
<td>CIS</td>
</tr>
<tr>
<td>Daniel Kim</td>
<td>TT - Assistant Professor</td>
<td>Chemistry</td>
</tr>
<tr>
<td>Eleonora Giaiti</td>
<td>Research Associate Professor</td>
<td>Chemistry</td>
</tr>
<tr>
<td>Elisabeth Russell-McKenzie</td>
<td>Practice Assistant Professor</td>
<td>Chemistry</td>
</tr>
<tr>
<td>Mi Zhao</td>
<td>Research Assistant Professor</td>
<td>Chemistry</td>
</tr>
<tr>
<td>Angelo Canciello</td>
<td>Research Assistant Professor</td>
<td>Biology</td>
</tr>
<tr>
<td>Jingyang Shu</td>
<td>Research Assistant Professor</td>
<td>Math</td>
</tr>
<tr>
<td>Rabie Ramadan</td>
<td>Research Assistant Professor</td>
<td>Math</td>
</tr>
<tr>
<td>Radika Gupta</td>
<td>Research Assistant Professor</td>
<td>Math</td>
</tr>
<tr>
<td>Stephanie Lewkiewicz</td>
<td>Research Assistant Professor</td>
<td>Math</td>
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OLD BUSINESS ..?
NEW BUSINESS ..?