

Faculty Senate Meeting

November 21, 2019



Faculty Senate

Agenda

- I. Call to Order and Roll Call
K. Homan, Secretary

Agenda

II. Approval of Minutes October 17, 2019

Agenda

III. Campus Reports

A. Staff Council, B. Spencer



GRACE and Rolla Chamber of Commerce

FOOD & TOY DRIVE

Staff Council members will collect non-perishable food items and
unwrapped toys on:

Friday, December 6, 2019

Traveling trophies will go to the building with the most items
collected and to the building with the best designed collection
container!



Staff Council

For more information contact
staffcouncil@mst.edu

Agenda

III. Campus Reports

B. Student Council, K. Kessinger

Student Council Report

Faculty Senate
November 21, 2019

Student Council

- Academic and Advising Forum
 - Nearly 70 students
 - Discussion on teaching quality and potential barriers
 - Thank you to a great panel!
- Retention Study (FTC Students)
 - Happening now with RAs and Greek Leaders
 - Conclusions will be shared early next semester





Faculty Senate

Agenda

III. Campus Reports

C. Guest Speaker - M. Gunkel

Chief eLearning Officer, UM System

UM eLearning



Vision

UM System will be the
**premier eLearning
provider in Missouri**
and contiguous states in
respect to the quality of
programs, courses offered and
the number of learners served.

Our initial focus will be on adult
and traditional learners to meet
the workforce needs of the state
of Missouri and beyond while
reaching a goal of at least
25,000 new learners by 2025.



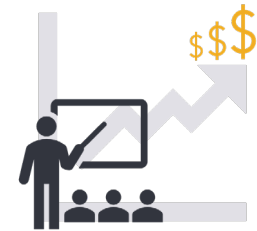
Objectives



Serve new students including adult learners and traditional students through eLearning.



Design online programs and stackable certificates to meet the workforce needs of the state.



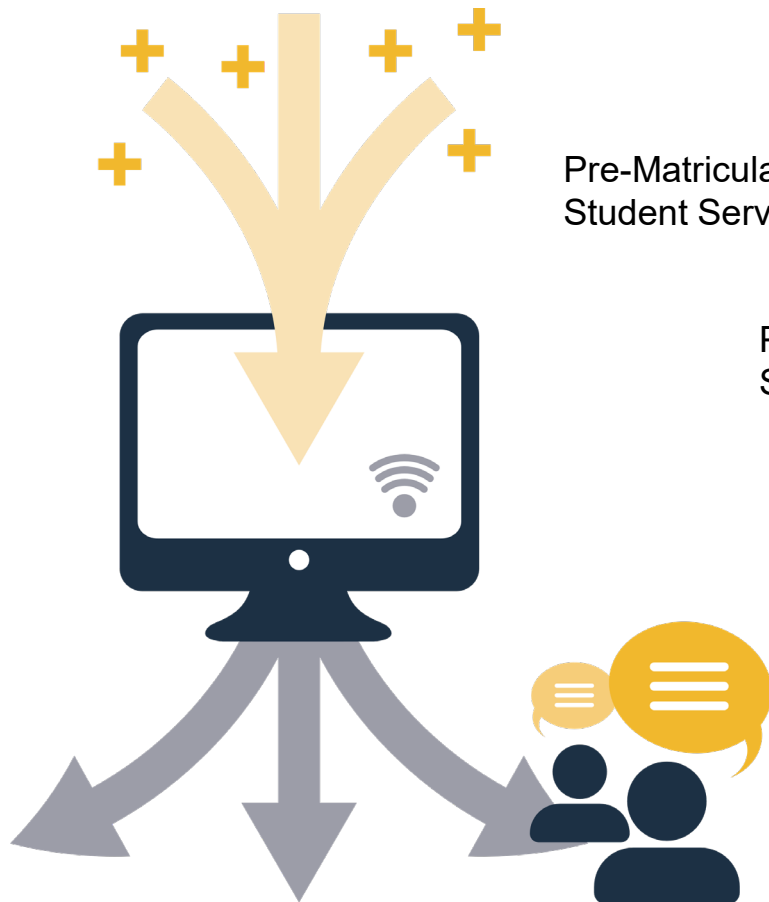
Increase net revenues from online programs to invest in research and teaching missions.

Student Benefits



- High-Quality Courses
- Tutoring Services
- IT Support
- Test Proctor Savings
- Learning Analytics Tools
- eLearning Platform Services

Student Support



Pre-Matriculation
Student Services

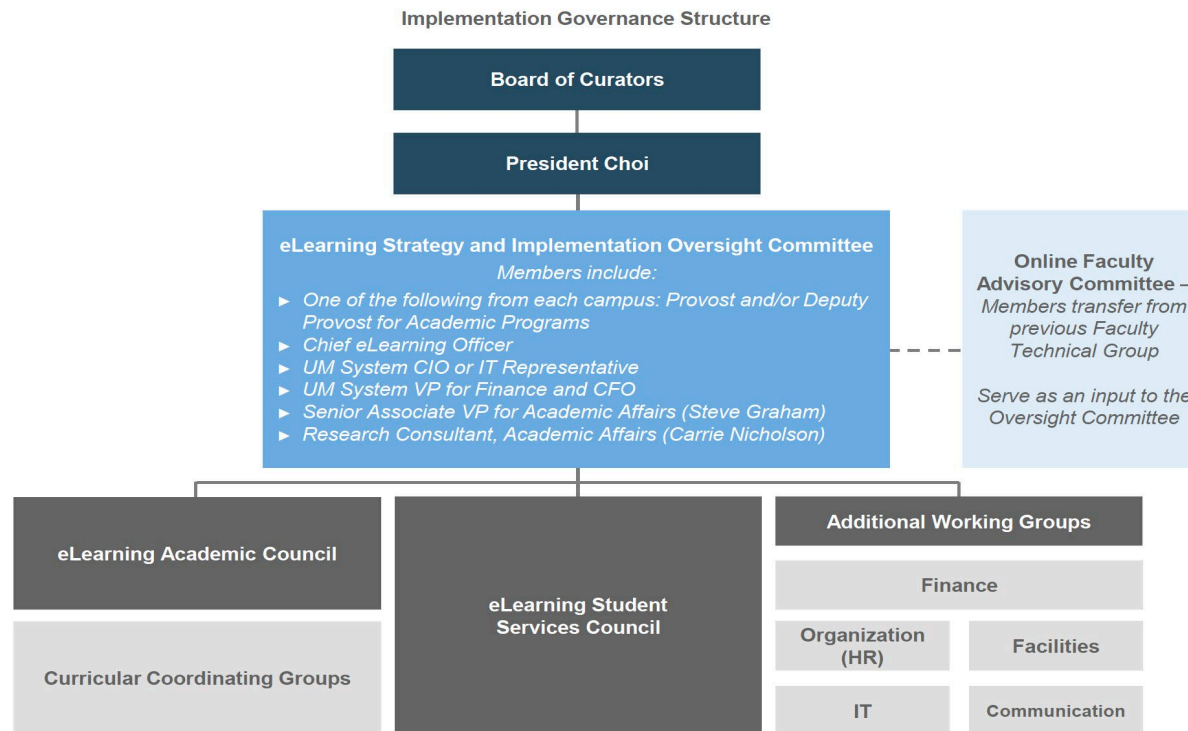
Post-Matriculation
Student Services

Enrollment Management

Success Coaching

Other Support Services

eLearning Governance Structure



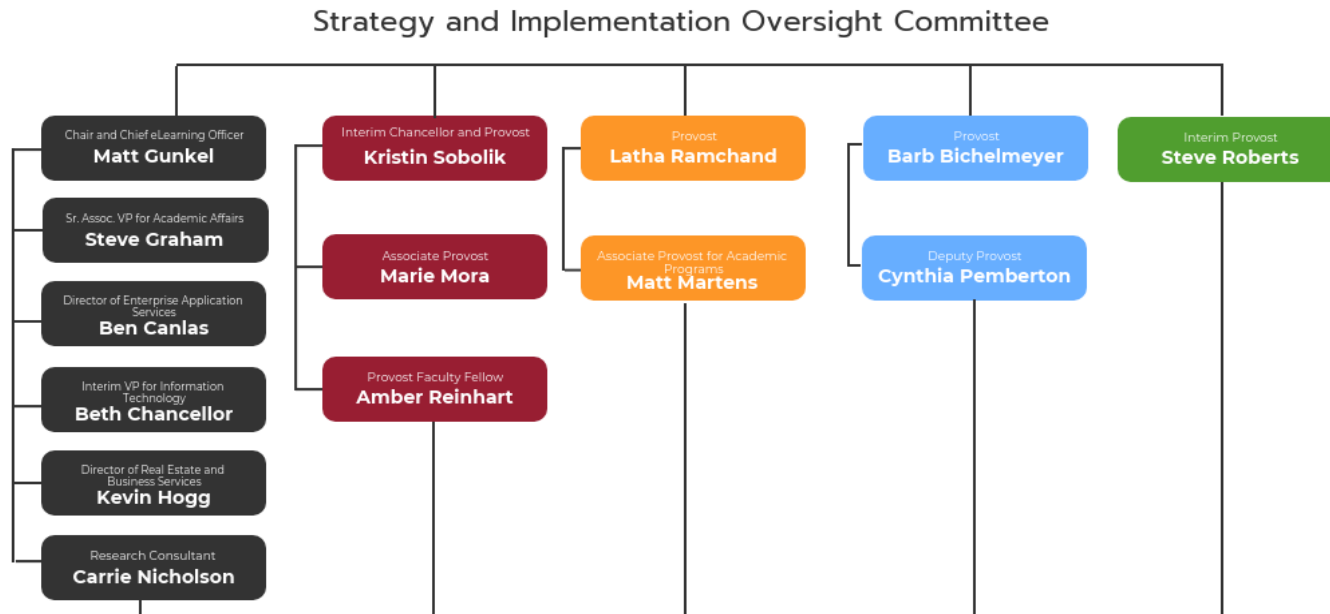
eLearning Strategy & Implementation Oversight Committee

- Decision making committee of eLearning
- Comprised of Provosts/Associate Provosts from all 4 campuses, along with system CIO, CFO, and others
- 3 current workstreams
 - Revenue model
 - Branding
 - Program migration process



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eLearning Initiative Governance Structure



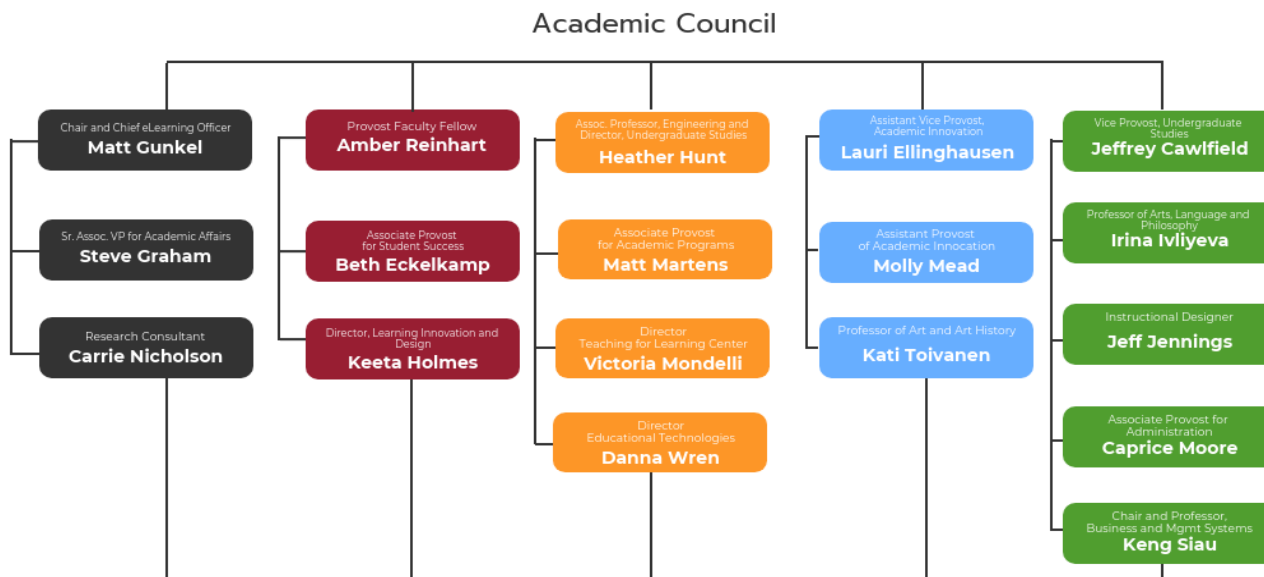
eLearning Academic Council

- Comprised of Associate Provosts, Online Learning Leaders, and Campus Faculty
- Develops materials and makes recommendations to the Oversight Committee
- 4 workstreams
 - Program Identification
 - Course Quality
 - Faculty Incentives
 - Faculty Development



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eLearning Initiative Governance Structure



eLearning Finance Committee

- Discusses all financial decisions related to eLearning in terms of the revenue model and pricing
- Comprised of CFOs from each campus, Ryan Rapp, and Kevin Hogg

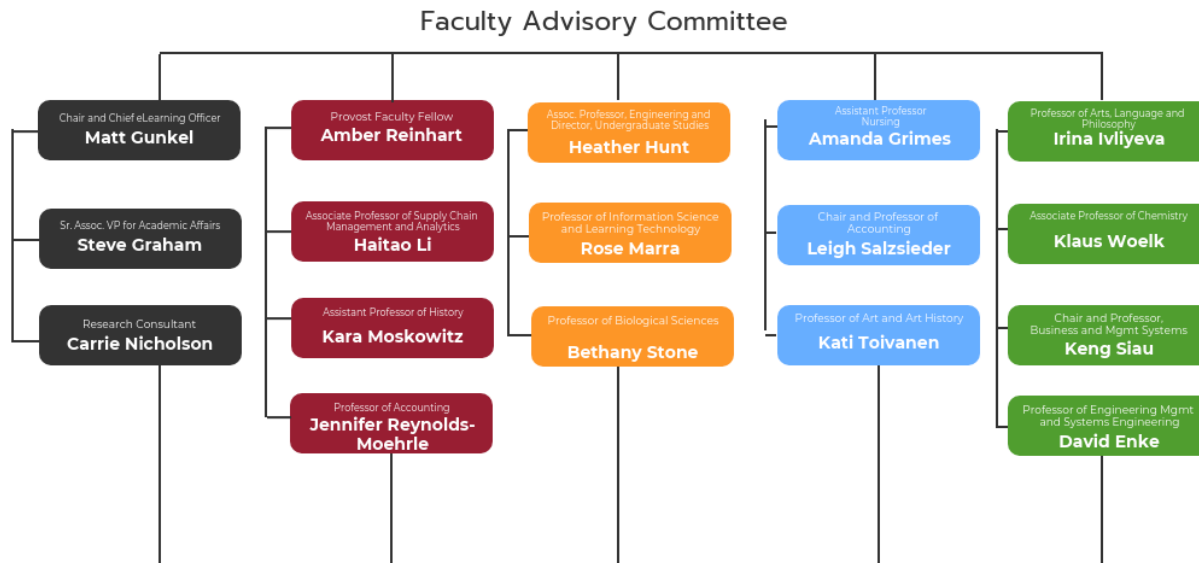
Online Faculty Advisory Committee

- Formerly the Faculty Technical Team
- Comprised of faculty members with significant experience teaching in an online format as well as those with active research interests in the area.
- Work toward determining innovative ways to achieve the scale desired in UM's vision for our eLearning initiative



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eLearning Initiative Governance Structure

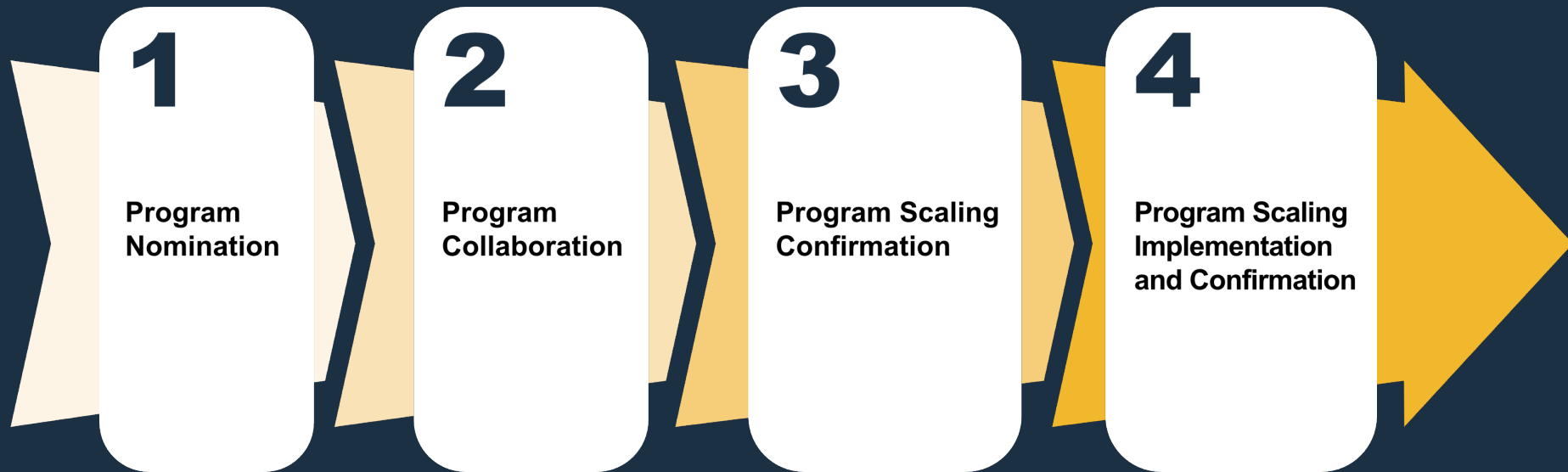


Planning/HOW

- Branding Request for Product (RFP)
- Financial Model
- Priority Programs for Scale



Programs in Phases



Move to Scale



Marketing & Lead Generation



Direct to Consumer Marketing



Course Development
and Instruction



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Agenda

IV. President's Report S. Corns



Faculty Senate

President's Report

Dr. Steven Corns, Faculty Senate President



Faculty Senate

Campus Master Plan

- > Campus master plan rolled out for initial advisory committee input November 19
- > Information gathering currently underway with a goal of May 2020 for master plan to be finished
- > Survey will be sent out December 2-9 for faculty input



Faculty Senate

Last Day of Activity

- > Modification to be implemented Fall of 2020
- > If faculty are giving a grade of U or F we will need to provide the last day of activity
- > Hoping that canvas can help track this
- > Additional info can be provided by the Registrar



Faculty Senate

Intercampus Faculty Council (IFC)

- > Last IFC meeting, November 15
- > IT
 - Plans are in place to move to more cloud-hosted email and collaboration tools.
 - > Gmail for students, Office 365 for staff and faculty
 - > Cloud based file storage, collaboration ,project management
 - Security
 - > Two factor authentication for email (potentially all clients)
 - Email for life challenges
 - > Support and licensing cost, other risks



Faculty Senate

Intercampus Faculty Council (IFC)

- > Last IFC meeting, November 15
 - Mission statement for UM
 - > “advancing the educational, health, cultural, social, and economic interests of the people of Missouri.”
 - Tier 3 research board proposals
 - > Will be rolled out in two waves, one general and one for precision medicine
 - > Open to Arts, Humanities, Social and Behavioral Sciences
 - > Up to \$75K, requires 25% match

Resolution – Dr. Michael Bruening

- > Whereas Professor Michael Bruening has served the Faculty Senate of the Missouri University of Science and Technology as Secretary (2015-2016) and President-Elect (2017-2018); and
- > Whereas Professor Michael Bruening has served diligently as the Faculty Senate President of the Missouri University of Science and Technology (2018-2019); and

Resolution – Dr. Michael Bruening

- > Whereas, as an Officer of the Faculty Senate, Professor Michael Bruening has demonstrated fair, dedicated, and thoughtful hard work in defense of faculty rights and interests while minimizing strife between all parties; and
- > Whereas, Professor Michael Bruening's leadership skills, intellect, and calm demeanor helped to guide the university through the transition to a new Chancellor,

Resolution – Dr. Michael Bruening

- > Therefore, be it resolved that the Faculty Senate of the Missouri University of Science and Technology does hereby sincerely thank Professor Michael Bruening for every job well done and wish him continued success in his future endeavors. Adopted this 21st day of November, 2019, at the meeting of the Faculty Senate of Missouri University of Science and Technology.



Faculty Senate

Tenure Policy Committee

> Issue #1: Should a faculty member have the right to apply for tenure more than once?

– UM suggested wording of:

“It is recommended that a candidate for tenure who is denied tenure, regardless of the time remaining on the tenure clock, will be given a terminal year.”

Information sent to senators in advance



Faculty Senate

Tenure Policy Committee

- > Issue #1: Should a faculty member have the right to apply for tenure more than once?
 - Lack of specificity in the terms ‘rare’ and ‘truly exceptional’
 - Supported by the use of ‘sustained’
 - TP Committee views the intent as “Barring something truly extraordinary (a Nobel prize?), faculty should wait until the sixth year to apply”



Faculty Senate

Tenure Policy Committee

- > Issue #2: Reduction in the number of appeals from a candidate from six to three
 - Occurred recently, but by oversight changes were not made to all parts of the policy.
 - Changes were sent prior to meeting

Spring meeting times

- > Room conflict at 1:30 meeting time
- > Propose changing all Faculty Senate meetings to 2:00PM instead of 1:30PM.

Agenda

V. Reports of Standing Committees

A. Curricula

S. Raper



Faculty Senate

Campus Curricula Committee Report
21 November 2019

- CCC Meetings
 - 30 October
 - 4 December (upcoming)
- Total Committee Activity
 - 3 Degree change request (DC forms)
 - 10 Course change requests (CC forms)
 - 4 Experimental course requests (EC forms)



Faculty Senate

Campus Curricula Committee Report
21 November 2019

- Degree Changes (DC) Requested
 - File: 151.8 CHEM-BA: Chemistry BA
 - File: 16.29 CHEM-BS: Chemistry BS
 - File: 17.8 CHEM-MI: Chemistry Minor
- Course Changes (CC) Requested
 - File: 2047.1 BIO SCI 1953: Introduction to Human Anatomy and Physiology II
 - File: 1679.1 BIO SCI 1983: Introduction to Biological Design and Innovation
 - File: 325.1 CHEM 2210: Organic Chemistry I
 - File: 1098.4 CHEM 2220: Organic Chemistry II



Faculty Senate

Campus Curricula Committee Report
21 November 2019

- Course Changes (CC) Requested
 - File: 4283.8 CHEM ENG 4101: Chemical Engineering Laboratory I
 - File: 792.7 CHEM ENG 4130: Chemical Engineering Laboratory II
 - File: 4284.9 CHEM ENG 4201: Biochemical Separations and Control Laboratory
 - File: 797.10 CHEM ENG 4220: Biochemical Reactor Laboratory
 - File: 4286.8 CHEM ENG 4241: Process Safety in the Chemical and Biochemical Industries
 - File: 1323.1 COMP ENG 6310: Markov Decision Processes



Faculty Senate

Campus Curricula Committee Report
21 November 2019

- Curriculum committee moves for FS to approve the DC and CC form actions
- Discussion: Questions or comments?



Faculty Senate

Campus Curricula Committee Report
21 November 2019

For Informational Purposes; No Senate Approval Required

- Experimental Course (EC) Requests
 - File: 4668 COMP SCI 5001.005: Experiential Entrepreneurship for Computer Scientists
 - File: 4659 COMP SCI 5001.006: Internet of Things with Applied Data Science
 - File: 4663 COMP SCI 5001.007: Introduction to Quantum Computing
 - File: 4669 GEOPHYS 6001.002: Advanced Seismology

Agenda

V. Reports of Standing Committees

B. Effective Teaching

D. Oerther

For awareness: CET progress on report

(prepared by D.B.Oerther, CET Chair)

- CET and CET Committee Chair has met with:
 - Provost
 - Deans 2x
 - Department Chairs Council
 - Student Council
- CET progress:
 - Identified four guiding questions – provided to Provost and FS President at ZERO DRAFT:
 - What is the definition of effective teaching at Missouri S&T?
 - How can current CET instrument be improved?
 - How can additional data be used to “triangulate” measures of teaching effectiveness?
 - How does an improved CET measure fit into the “workload” plans at Missouri S&T?
- CET plans:
 - Weekly meetings to answer four questions
 - FIRST DRAFT prepared BEFORE winter break – for digestion and improvement over break
 - Update to be undertaken after break

Agenda

V. Reports of Standing Committees

C. Budgetary Affairs

M. Fitch

Budgetary Affairs Committee

Nov 21, 2019

Active referrals:

- <None>

Continuing:

- Report on the “big picture balance sheet”
- Current and next FY budget
- Kauffman/5yr
- System ask on tuition

Budget: no changes from September report

Operations budget

- Revenue = \$150.8 MM, Expenditures = \$147.5 MM
- Tuition + fees up 4.6%; Scholarship costs up 11.4%

December Curators meeting

- Five-year financial plan update (Kauffman Hall reports recommended targets Feb 2020); baseline = 25 Oct 2019
- Strategic initiatives were due last Friday (15 Nov)
- Build in 2% raise pool and 2.5% state cut

Five-year plan/Kauffman Report

Each Campus to forecast changes in/due to

- tuition,
- student numbers (our submitted goals achievable),
- state funding,
- benefits,
- raises (2% annual), and
- Initiatives (new initiatives = cuts to other things)

S&T targets: 3.4% annual revenue growth

S&T peer group: CO Mines, Michigan Tech, NJIT, New Mexico Inst Mining & Tech, UA Huntsville, Illinois Inst Tech

Tuition forecasting/setting

Grey = presented Oct 17

President Choi requests each campus propose tuition and fee strategy to implement on/after FY 2022 (= July 2021)

Tentative approach:

1. Undergraduate tuition: basement rate + differential for program of study.
 - a) Combine tuition + fees as single rate
 - b) Flat-fee tuition, 12-20 credit hours = same cost
 - c) Flat-fee tuition differs depending on major (Sci, Comp, Eng > BIT > base rate)
 - d) Tuition base don major at time of enrollment
2. MS non-thesis: penthouse rate, flat-fee. Gathering data on other universities' approaches
3. PhD: contribute financially through research and teaching service, want to determine relationships between achieving institutional goals and the combinations of tuition and fees, waivers, and assistantships

New initiatives (= budget cuts)

- Faculty 5-year hiring plan submitted to President Choi funded by growth in undergraduate and MS non-thesis
 - Replace faculty (not initiative, but was requested)
 - Entrepreneurship hiring
 - Discovery hiring
- Retention/graduation
 - Increase professional advisors
 - Increase peer tutoring
 - Starfish analytics/advising module (\$80k first year + \$60k/yr; System imposed)
- Recruitment investments
- Ideas on current students staying for MS, funded by new students in the programs (five-year time frame)
 - Teacher Ed; BS and MS in Education (regional students @ community colleges + area teachers for Med)
 - 4+1 programs in E&TC, Math, Bio, ECE, Civ/Arch/env for current students
 - Increased international partnerships in BIT
 - Interdisciplinary MS programs (Biology)
 - Currently only ideas: International Engineering program and an Army Center