UNIVERSITY SENATE
Meeting Minutes
December 02, 2024

The University Senate was called to order at 3:30 p.m., in 111 Harrison Hall on Monday, December 02, 2024. Members absent: Adam Beisel, Olga Brezhneva, Todd Dupont, Kelsey Ellis, Nya Hodge, Haim Kassa, Patrick Lindsay, David Motta, Ganiva Reyes,

1. **Call to Order and Announcements and Remarks** – Rosemary Pennington, Chair of University Senate Executive Committee
   a. Nathan and I have received a working draft of the Attendance Policy Report from the Ad Hoc Committee and we will be sharing that with you at the retreat.

2. **Approval of University Senate Minutes**
   a. University Senate Full Meeting Minutes_11.18.2024 (Results: 50-Yes, 00-No, 01-Abstain)
        i. Notice of Adjustment & Comment on Slide - Comment by the University Senate Executive Committee:
             1. Following the presentation of these slides by members of the Campus Planning Committee before the University Senate on November 18, 2024, the Chair of the University Senate notified the University Senate Executive Committee, the Campus Planning Committee, and the University Senate of the addition of the following clarifying comments, intended to follow slide 12 in the original presentation entitled, 'Proposed, Major Campus Projects:'
                  a. "In the original slide presentation, slide 12 featured a map and was entitled, 'Proposed Major Campus Projects.' This map depicted a 2012 study of potential sites for new projects. The CPC was informed at a recent meeting that Cook Field is a *potential* site for the hotel. No decisions have been reached on future project sites as of November 2024"

3. **Consent Calendar:**
   a. Curricular Items 11.20.2024
   b. Graduate Council Minutes 11.19.2024

4. **Special Reports**
   a. Policies on Tech and International Travel, Sue McDowell, Vice President for Research and Innovation, and Cheryl Young, Associate Vice President, Global Initiatives
        i. International Travel - If carrying a Miami-owned computer or equipment (not personally owned)
             1. Email Beth Davidson (hacketbn@miamioh.edu) or go to the Office of Research and Innovation website if the item is:

          a. Worth more than $2500 (always file when this is the case, regardless of destination)

          b. Worth any amount and is going to be carried to or through China

     2. Registration with the US government is a federal requirement

     3. Violation is costly

     4. This applies even when you are paying for the travel personally.

ii. Guide on International Travel (for teaching and/or research) and for Work with Non-US Persons in Domestic and International Locations

     1. Definitions

          a. "U.S. Person"

               i. Lawful Permanent Resident

               ii. U.S. Citizen

               iii. Legal Immigrant with a "Green Card"

               iv. Protected Individual granted asylum or refugee status

          b. Non-U.S. Persons - "Foreign National"

               i. Foreign universities

               ii. Foreign corporations

               iii. U.S. person acting on behalf of a non-U.S. entity

               iv. Foreign government

               v. Any non-U.S. person

iii. Miami University values international collaboration and assists faculty, staff, and students to remain compliant with US export controls that govern these collaborations

     1. Non-compliance can jeopardize national security and invoke significant individual and institutional penalties.

iv. Per US export controls, Miami University students and employees may be restricted in engagement with certain entities (i.e., companies, institutions of higher education, persons, countries, etc.).

     1. In almost all instances, a management plan can be implemented where research and other activities can proceed within specified guardrails.

v. Export controls govern:

     1. Works generated using Miami resources as well as when funded personally and/or through externally funded grant and contract dollars.

     2. Regardless of whether an employee is under contract at the time of engagement.

vi. The associated Miami policy can be located on the website for Miami policies (Export Control Policy).

     1. Personal travel unrelated to your Miami employment does not fall under this policy. Of note, the policy applies in instances such as when you are serving in your faculty appointment (such as serving on a graduate committee), paying personally for travel to a conference where you

register as a Miami employee taking Miami-owned property, doing personal travel before and/or after travel related to Miami employment, invited to participate because of your role as a Miami employee.

vii. Senator Question and Comments

1. Senator: That doesn't count your personal computer?(A) That is correct.
2. Senator: What if you have Miami files on your own personal computer?(A) I would reach out to us as we would with IT security, especially if you are going to China. If you are coming through Global, those are the most likely times that you would be going to those countries and we will ask these questions. This applies to students with Miami equipment also. We are trying to keep people from filling this out twice.
3. Senator: Winter duplication forms. I got asked 3 times for this form. Do I need to fill that out another time?(A) No
4. Senator: If bought through my grant would that be considered a Miami Computer or personal computer?(A) If the grant was issued to Miami then that grant is technically not yours it is Miami. Anything off a grant is a Miami Computer. Anything bought from my salary would be personal then. The office that precures it could help you
5. Senator: How involved is this registration? How long would you need to give yourself?(A) It only takes about 3-10 minutes to fill out this form. If you know that you are traveling we should receive this at least 5 days out. Please allow a few business days for us to get this completed. Also you will also need to know the address of where you are going to.
6. Senator: How does this impact these professors?(A) It is a US export. So it is anything crossing the US border.
7. Senator: Does it also apply to external hard drives (A) Yes, any Miami Device or hardware.
8. Senator: If we forget to do it, what do we need to do? (A) Contact us and our contact information is on the form.
9. Senator: Are there any bad examples that made this rule? (A) I don't have any specific schools but it is a federal offense.
10. Senator: What if you are just getting a connecting flight in one of these locations do we still need to do this? (A) Yes, so if you land in one of those countries then you do need to.
11. Senator: Is that $2500 per individual item or total? (A) yes, it is by item.

b. Admissions Policy Update, Bethany Perkins, Assistant Vice President, Director of Admission and Steve Graunke, Assistant Vice President of Research and Analytics, Enrollment Management and Student Success

i. Test Score Requirements: Brief History and Context

1. Test scores were required for admission to Oxford as a part of a holistic and contextual review until Fall 2021.

2. In the pandemic, almost all selective colleges and universities, including Miami, suspended test score requirements.
3. As of May, the following colleges and universities now require test scores:
    a. 5 out of 8 Ivy Leagues[1]
    b. 4 out of 11 top privates[1]
    c. 9 out of 25 top publics (Note: 3 are in states that required scores in COVID)[1]
    d. 1 out of all Ohio colleges and universities[2]

 ii. Enrollment Trends Post-Test Optional
1. Applicants have increased 56.6%
    a. First-generation applicants have increased by 154%
    b. Applicants from students of color have increased by 101%
    c. Average GPA is 3.82 vs. 3.85
2. Admit rate has decreased from 92% to 75%
3. Retention rate has increased from 89.2% to 90.1%
4. Retention trends were analyzed based on test scores considered or not considered to determine a permanent policy

 iii. Characteristics and Outcomes of Fall 2022-2024 Miami - Oxford cohort students by test-optional status - Please Graph in slide presentation for this information
1. SOC2 includes African American, Latino/a, Native American, Native Hawaiian/Pacific Islander, and Two or more races. Fall 2024 outcomes will be available after Spring 15th day census.

 iv. Fall-Fall Retention of Fall 2021 - Fall 2023 cohorts at Miami - independent of Division
1. Significant effect
    a. 5 out of 8 Ivy Leagues[1]
    b. 4 out of 11 top privates[1]
    c. 9 out of 25 top publics (Note: 3 are in states that required scores in COVID)[1]
    d. 1 out of all Ohio colleges and universities[2]
2. No effect
    a. Applying Test optional
    b. Academic Read Score
    c. Receiving Pell
    d. Being International (net the effect of other factors)
    e. No FAFSA on file

 v. Fall-Fall Retention for SelecSupport Groups
1. Fall 2019
    a. GRADU8 - 88.8%
    b. Bridges - 92.5%
    c. FSB Passport - 94.7%
    d. High Support Program - -
    e. All Miami-Oxford new students - 88.4%

2. Fall 2020
   a. GRADU8 - 84.9%
   b. Bridges - 91.3%
   c. FSB Passport - 100%
   d. High Support Program - -
   e. All Miami-Oxford new students - 89.2%
3. Fall 2021
   a. GRADU8 - 83.9%
   b. Bridges - 91.5%
   c. FSB Passport - 94.7%
   d. High Support Program - -
   e. All Miami-Oxford new students - 88.6%
4. Fall 2022
   a. GRADU8 - 83.9%
   b. Bridges - 90.9%
   c. FSB Passport - 90.5%
   d. High Support Program - -
   e. All Miami-Oxford new students - 89.5%
5. Fall 2023
   a. GRADU8 - 84.2%
   b. Bridges - 90.9%
   c. FSB Passport - 95.5%
   d. High Support Program - 82.3%
   e. All Miami-Oxford new students - 90.1%
6. High Support Program Began in Fall 2023. It was reformatted to Elevate First for Fall.

vi. New Test Score Policy and Practices
   1. Miami University-Oxford will no longer require test scores for admission.
   2. Test scores will still be welcomed as a part of a holistic and contextual review.
   3. For select programs, the Office of Admission may utilize more scrutiny of factors such as GPA, curriculum rigor, and AP scores when a test score is not provided.
   4. Students will continue to be enrolled in student success programming that has a track record of canceling out calculated retention risks.

vii. Senator Question and Comments
   1. Senator: Is that pre-removal of application of that 6%?(A) That is since 2020.
   2. Senator: GPA's are more predictive than test scores. (A) Yes, that is correct
   3. Senator: I am speaking as a Science Professor. We focus on math scores because that is an indicator for success in science classes. We want the

pretest scores because we look at that and otherwise they would need to take a math placement test or an extra math class before they can join our classes. Are you looking at that at all?(A) More and more students are using the free access to the exams, so they will have test scores, but we are going to have some low scores since that is the only time they are taking the tess. Then we are going to collect those scores only if it could impact their majors. So, this just means that we are not looking at the score for admissions purposes, but that they might need to provide it later to us for other purposes.

4. Senator: What is the data from other universities showing?(A) I can ask and get back to you and see if they are willing to share.

5. Senator: What about international students?(A) The English learning exams are still going to be required so that we can place them appropriately in the program for them.

5. **Old Business**
   a. SR 25-06 Sense of the Senate Resolution on Campus Planning Recommendations, Rosemary Pennington, Associate Professor in the Department of Media - (Results: 49-Yes, 01-No, 01-Abstain)
      i. Senator Question and Comments
         1. Senator: I was just curious-is there a campus planning process that includes the Regional campuses, and/or should this resolution include the Regionals as well? A) "I'm not sure what the scope of the committee was intended to be, but in my experience, it has only ever focused (or its attention focused by staff, since they customarily set the agenda) on the Oxford campus. Whether that's right or not, and ultimately the scope of the Senate's role in campus planning overall, is a good question for the Senate, I'd say." From Kelly: "In my time on the committee there have been no discussions regarding the Regional or Luxembourg Campus. If the Senate feels we should be involved in these areas, please let me know."
   b. SR 25-07 BS in Quantum Computing, Beena Sukumaran, The Dinesh & Ila Paliwal Dean of the College of Engineering & Computing. The curriculum document can be accessed at https://nextbulletin.miamioh.edu/programadmin/ - click on 'title' and type **'Quantum Computing*'** in the Search section. Click on 'Quantum Computing - Bachelor of Science in Quantum Computing ' - (Results: 36-Yes, 11-No, 04-Abstain)
      i. Screenshot from Indeed is provided in slideshow presentation to show how many jobs are currently listed for Quantum Computing.
      ii. Senator Question and Comments
         1. Senator: What is the rationale for requiring MTH 246 over MTH 222? My very limited experience with quantum computing suggests that linear algebra is central to the subject (much more than differential

equations). It seems that a full course in linear algebra is better than the small amount in MTH 246. A) Both Linear Algebra and Differential Equations are valuable for the diverse applications and algorithms of QC. The 4-credit MTH 246 covers both at an appropriate level of detail to prepare graduates to use them effectively and pursue more advanced studies of either topic as needed.

2. Senator: Could you please provide specific employment options for students with a QC degree that are not available to a student with a standard CS degree? Could you please provide specific employment options for students with a standard CS degree that are not available to students with a QC degree? (A) Students with the QC degree would likely be eligible for jobs requiring a traditional CS degree, but not the other way around, at least at the entry-level. Someone with a CS degree could acquire the experience necessary for a position in the QC field and that is how most of the current positions are being filled, but they require experience. For entry-level positions in the QC field, see the response below.

3. Senator: After searching the job market, the demand for QC at the Bachelor level is uncertain with most opportunities as researchers which is beyond a BS degree. Maybe we should start with a master's degree and build a few related labs to test the market. In contrast, we have a growing Biomedical Engineering (BME) program. Our current student body can support a mid-sized BME department, yet we only have three faculty members with BME degrees. Investing in and expanding the BME program is a more strategic choice, as it is certain to enhance enrollment and strengthen the college. (A) Starting a BS in QC does not impact BME and could be beneficial because there can be a track within QC for BME. This would enable some of the students with a track in BME to be marketable. For starting positions in QC, the lack of BS-level QC programs forces employers to look for talent from traditional Computer Science and/or Physics, Electrical Engineering, or similar disciplines, but related experience is needed since these individuals don't have a QC educational background. That's the hole this program will fill. It's relatively easy to look at job sites to find opportunities in QC and these openings are growing rapidly (see image from a LinkedIn search for QC internship and entry-level positions showing 1666 results). In the 4-5 years it takes to graduate, there will be dramatically more openings. Amazon just announced a major new initiative, Quantum Embark (https://seekingalpha.com/news/4323769-aws-launches-quantum-embark-quantum-computing-stocks-blastoff) that sent QC-related stocks skyrocketing. If we wait any longer to start this program, we will be an "also ran" jumping on the bandwagon rather than a leader. Cleveland

Clinic is just one of many major entities investing in QC. The medical and financial fields are pursuing QC aggressively, not to mention all the STEM-related QC research in academic institutions.

4. Senator: My question is "Why are we speculating into a space (Quantum [fill in the blank]) when that space is both speculatively valuable to our economies, science and engineering, and why are we staking undergraduates into this speculation - instead of scientific research at the graduate levels?". For example, one of the academics I follow has a number of questions in Quantum tech "https://backreaction.blogspot.com/2024/11/ai-could-soon-make-quantum-computing.html" that suggest the hope and investment may or may not be a fruitful path (another of her viewpoints - https://backreaction.blogspot.com/2024/10/the-quantum-computing-collapse-has-begun.html). Therefore, this space is riddled with science questions - alas, computer science. This is an interesting research space and those questions are valid, which I'm fine with, but if I look at our computer science undergraduate at Miami University - then what I see is the education of software engineers - on average not scientists - again I'm fine with this. In engineering an undergraduate is a professional degree where students find careers in engineering - the building, and testing of machines under constraints. My question above is an ethical one relating to speculating on a professional degree in an unproven space that needs to be justified with reason.(A) I think this question has been answered many times during the discussion. There is not much speculation because the skills the students will have are extremely valuable. There is also a strong industry partner behind it, which we have not had with most of our other degrees.

5. Senator: There are plenty of sites that talk about Quantum Computing and Arts and Humanities and sociology. How do we expand this into the Arts and Humanities along with the Social Sciences? This is very exciting new stuff. (A) We have been working with CAS as they are following up with their own degree after this as we want to support each other with this. There are application tracks with a lot of opportunities to be created.

6. Senator: How many years will this be given to reach 50 students a year?(A) I honestly don't know. I would think that there would be a periodic review for this and it will go into a regular que for review for assessment.

7. Senator: Concerned about student interest. Both sessions were canceled due to low enrollment. What are the projections for student enrollment?(A) Previous offers in spring 2023 with 2 sections and roughly 70 students and they had to turn students away. That Fall when

it was offered and then canceled for insufficient enrollment was because almost all the students that met the prerequisites had already taken the course. In terms of projected enrollment, we are projecting roughly 20 per year and if we get state funding 40 per year.

8. Senator: What do you think the impact would be having a BS in quantum computing towards getting into a PHD program? Would this be a good stepping stone for advanced studies?(A) I think it is a phenomenal stepping stone for advanced studies. I questioned why a bachelor's degree and the answer that we received from Cleveland Clinic is that they have plenty of PHD's working and developing hardware. However, when creating new computers for different companies we have to have people who know how to use them and develop applications for us. That is why we want people with a Bachelor Degree.

9. Senator: I wrote to a lot of faculty about this. There were some that were very enthusiastic and then there were some that were very concerned about this. The concerned faculty said they felt there was a lot of pressure to pass this and that it was vetted properly. One concern is how much the program is going to depend on outside resources and for Internal resources the CS program is already stretched and they are already burdened. How are the faculty going to keep up their research and manage all their new degrees?(A) That is why we got hiring approval and should start hiring next year. There are only 5 new courses and will only start out with 2 and hire more down the line. They have 2 TCPL's that are also helping out now too. So there has been some distribution of service workload.

10. Senator: What about the question of vetting and the continued availability of outside funding? (A) Even though the program didn't go through the MAPPING process we did review this thoroughly. We are still asking for reasonable review and feedback and have been working really hard on this and making sure that there are job opportunities out there. An alumnus has said that he has a lot of PHD's and they would love to teach part of this program. For the outside resources this industry is really interested in seeing this succeed, so I am worried about losing the support of our outside resources for this program.

11. Senator: If you went through MAPP what could that have been learned? (A) While it would have looked at all the questions that we have talked about. They would have reviewed and addressed all these questions like enrollment. Which we have tried to address all those questions here. In my opinion, an 18 year old coming to college wouldn't be looking at this degree, but I am very confident that as it grows it will be a very high-demand program.

12. Senator: I really wonder how much runway they have before they get limits on them. For example how long they get to become sustainable and consistent. Given the hard decisions that are being made to cut programs I would like that to be more consistent.

13. Senator: The conversations we had today has made me more concerned about this passing. This doesn't seem to be resolving our program and this is coming from the top down and not from the faculty and that this is not having to meet the same standards and criteria of our other programs. I feel like we are cutting things that are working very well to supporting things that are high risk. So I am really concerned about this and that it didn't go through the appropriate channels and process that all the rest of the programs have to go through so that really concerns me.

14. Senator: I think the reason for the haste was 2 fold. One to respond to Cleveland Clinic because they want to create a career pipeline for our students, and 2nd that MAPI was bypassed because one of the things they are projecting is future employability for this degree. Since there was a pipeline with the Cleveland Clinic that addressed that issue. We don't intend to bypass MAPI as a regular process as it is very important. I do think faculty and engineering are interested in having more bandwidth for their research from graduate students. I do think that our regular program review is a 6 year process with a necessary mid-cycle report and that is how we will follow these programs in the future too.

15. I was not from here but from Texas. My major in computer science I checked and this year there are hiring surges receiving 182 applications compared to 62 last year and some have quantum computing requirements in them.

c. SR 25-05 Ad Hoc Committee for MiamiTHRIVE Facilitation, Nathan French, Associate Professor and Lead Departmental Advisor, Comparative Religion - (Results: 48-Yes, 00-No, 03-Abstain)
   i. Senator Question and Comments
      1. Senator: Will membership also change over time and what does the tenure look like?(A) Up to review at the end of spring and adjust as needed. We will need to be flexible on this.
      2. Senator: Will the membership always be with THRIVE experience?(A) We will open it up and look at it over time.
      3. Call to Motion to vote for a Chair of the Committee (Results: 51-Yes, 00-No, 00-Abstain) - Nathan French voted Chair
         a. Senator: So, this committee would serve until spring and then we would have to revisit this again in the spring?(A) Yes, that is correct. Thrive has moved very quickly and we want to be ready for that. So that we have a committee that the steering

committee can communicate with as initiatives start being brought to Senate.

b. Senator: I actually was on a committee that would benefit faculty and staff. I want to make sure that we have people that have important information?(A) We want the people on this list to help us with what we need to know.

c. Senator: With the non-disclosure will they be able to do that? Have we received the okay from the steering committee?(A) I had that happen to me while working with the THRIVE committees and from my understanding that cross-pollination was welcomed by the steering committee. Brent and I have spoken about this and I advised that we just want to get ahead of things that are coming to Senate.

6. **Adjournment**

7. **Reconvene and Approval of Abbreviated University Senate Minutes -** (Results: 51-Yes, 00-No, 00-Abstain)
   a. University Senate Abbreviated Meeting Minutes 12.02.2024

8. **Adjournment**