University Council Minutes
February 5, 2018
3:00 PM
1045 Pamplin Hall


Absent: Rosemary Blieszner, Michael Friedlander, Steve McKnight, Menah Pratt-Clarke, Lisa Wilkes, Eric Kaufman (with notice), Anita Puckett, Tom Inzana (with notice), Chris Lawrence, Mary Marchant (with notice), Yan Jiao (with notice), LaTawnya Burleson (with notice), Brian Huddleston, Jeannie Layton-Dudding, Ginai Seabron, Christine Tysor, Michele Waters Adwoa Baah-Dwomoh, Andre Stevenson, Julia Billingsley, Prateek Mishra, Avalon Roche, Peter Shaw, Brett Netto (with notice), & Hans Robinson

Guests: Lori Buchanan, D’Elia Chandler, Jack Finney, Rachel Holloway, Rachel Gabriel, & Rick Sparks

Dr. Sands called the meeting to order at 3:00 p.m. A quorum was present.

1. Adoption of Agenda

A motion was made and seconded to adopt the agenda. The motion carried.

2. Announcement of approval and posting of minutes of December 4, 2017

Dr. Sands noted that these minutes have been voted on electronically and can be publicly accessed on the Governance Information System on the Web (http://www.governance.vt.edu).

3. Commission Chair Reports

Dr. Sands asked the Commission chairs to present briefly their goals for the academic year.

1. Commission on Administrative and Professional Faculty Affairs – Ms. Janice Austin, Chair
   a. Reviewing the Telework Agreement Policy with Human Resources
   b. Increasing CAPFA visibility and awareness through shared governance
   c. Planning a university wide A/P faculty outreach project

2. Commission on Equal Opportunity and Diversity – Dr. Deyu Hu, Chair
   a. Membership training
      • University governance structure and procedure
      • COACHE survey results
b. Subcommittee Projects
   - Diversity in Academic Mission:
     - Workshop and event series on white supremacy
   - Human Resource
     - Building inclusive Human Resources programs and services
     - Campus physical accessibility
     - On-boarding
     - Anti-discrimination statement review
   - Governance and Recognition
     - Principles of Community Award
     - Resolution on the definition of a caucus
     - Resolution to revise CEOD membership

c. Extension and outreach
   - Identify entry points to other diversity groups and university units and establish partnerships with them
   - Collaborate with and support other commissions on resolutions
     - CGSP – resolution to incorporate an inclusion and diversity education component into graduate education
     - COR – resolution to clarify Faculty Handbook language on research faculty promotion process
     - COR – resolution to clarify Faculty Handbook language on overload compensations for research
     - CUS & CEOD – resolution to update membership of Campus Development Committee

3. Commission on Faculty Affairs – Dr. John Ferris, Chair
   a. Discussing numerous questions concerning the Promotion and Tenure process
   b. Discussing equity in access to large-scale facilities and research proposals
   c. Discussing faculty morale, recruiting, and retention
   d. Discussing retiree health benefits for tenured faculty with the Employee Benefits Committee
   e. Discussing expectations and assessment of faculty
   f. Discussing open access policy

4. Commission on Graduate Studies and Policies – Dr. Kevin Edgar, Chair
   a. Complete and communicate the anti-academic bullying initiative
   b. Re-envisioning PhD including digital portfolio
   c. Enhancing the Virginia Tech lab safety culture
   d. Discussing diversity training requirement for graduate students
   e. Purchased anti-plagiarism software and will begin planning the rollout

5. Commission on Outreach and International Affairs – Dr. Jan Helge Bøhn, Chair
   a. Aiming to place an emphasis on elevating the importance of international advancement within the Virginia Tech community. This is paramount to building a global brand in all three of the COIA’s mission areas of learning, discovery, and engagement.
6. Commission on Research – Dr. Jen Irish, Chair
   a. Drafting an Open Access Policy
   b. Revision to Policy 13005, Center and University Institutes
   c. Updates to Faculty Handbook sections regarding research faculty (three resolutions)
      - Clarification of overload compensation related to teaching
      - Clarification of research faculty promotion
      - Search requirements and removal processes
   d. Continuing work through the Committee on Research Competitiveness

7. Commission on Staff Policies and Affairs – Ms. Tammie Smith, Chair
   a. Resolution giving Human Resources the authority to oversee the process for the Career Staff Achievement Award
   b. Discussions regarding changes to the winter closing policy
   c. Discussing having an area on the staff yearly evaluations to encourages and honors those who participate in shared governance

8. Commission on Student Affairs – Mr. Chris Saunders, Chair
   a. Creating a committee to address mental health and mental health resources awareness
   b. Reviewing the structure and mission of the CSA

9. Commission on Undergraduate Studies and Policies – Dr. Dean Stauffer, Chair
   a. The Academic Policy Committee will investigate if academic policies are needed in the following:
      - Undergraduate Teaching Assistants- how they are interacting with departments, faculty members, and within the classroom
      - Reviewing a readmission policy for undergraduates
      - Reviewing of the W grade policy

10. Commission on University Support – Dr. Richard Ashley, Chair
    a. Discussing the process of submitting forms online
    b. Reviewing a resolution to change the name, charge, and membership of the Computing and Communications Resources Committee

4. Old Business

University Council
Resolution UC 2017-18A
Resolution to Amend the University Council By-Laws as Recommended by the Governance Task Force
(Includes Governance Task Force Report as requested by CSA Resolution 2015-16B and CFA Resolution 2015-16D)

Mr. Robert Sebek presented the resolution for second reading and made a motion to approve. The motion was seconded. Ms. Kim O’Rourke made a motion to amend the resolution to change the language in sections B and C. The amendment to the language in section B will add “…or upon receipt of a resolution from a committee or a college.” to the following sentence, “All Commissions shall consult with the four formal constituent groups at the beginning of and during the process of developing resolutions or upon receipt of a resolution from a committee or college.” The amendment in section C will replace the language “Each
respective constituent group shall send its recommendation to the Commission upon conclusion of its next regularly scheduled meeting, but in all cases within four weeks…” with the following language, “Each respective constituent group shall send its recommendation to the Commission upon conclusion of the constituent group’s first meeting subsequent to receipt of the resolution, but in all cases within four weeks…” The motion for the amendment was seconded. A vote was taken on the amendment and the motion passed. A vote was then taken on the resolution as amended, and the motion passed.

5. **New Business**

**Commission on Staff Policies and Affairs**  
Resolution CSPA 2017-18B  
Resolution to Change Authority to Manage the Staff Career Achievement Award

Ms. Tammie Smith presented this resolution for first reading. Currently there is a limit to only five awards per year. This resolution will give Human Resources the ability to manage the awards, which will allow for more than five awards. Ms. Smith indicated that there will be a be it further resolved clause added to read “Be it further resolved that any changes to the selection criteria will still be at the discretion of the Board of Visitors.”

**Commission on Undergraduate Studies and Policies**  
Resolution CUSP 2017-18D  
Resolution to Approve New Degree, Bachelor of Arts in Science, Technology, and Society  
Resolution CUSP 2017-18E  
Resolution to Approve New Degree, Bachelor of Science in Science, Technology, and Society

Dr. Dean Stauffer presented the resolutions for first reading. Science, technology, and society is a growing interdisciplinary and cross-disciplinary field that brings together social sciences, humanities, and technology. These new degrees will support the VT-shaped student, and there is currently no undergraduate degree at Virginia Tech. There is a common core for both degrees. The Bachelor of Arts degree focuses on humanistic social science perspectives in science and technology. The Bachelor of Science degree focuses on technical literacy in science and technology at an advanced undergraduate level.

6. **Announcement of Approval and Posting of Commission Minutes**

These minutes have been voted on electronically and will be posted on the University web (http://www.governance.vt.edu). Note that the purpose of voting on Commission minutes is to accept them for filing. University Council By-laws require that policy items be brought forward in resolution form for University Council action.

- Commission on Administrative and Professional Faculty Affairs  
  November 17, 2017

- Commission on Graduate Studies and Policies  
  November 15, 2017  
  December 6, 2017

- Commission on Outreach and International Affairs  
  November 16, 2017  
  December 14, 2017
• Commission on Research  
  November 8, 2017

• Commission on Undergraduate Studies and Policies  
  November 6, 2017  
  November 27, 2017  
  December 11, 2017

7. Announcement of Posting of Governance Task Force Final Report  
   November 3, 2017

8. Presentation

Dr. Scott Midkiff gave a presentation (attached) on information technology initiatives.

9. For Information Only

Minutes of the University Advisory Council on Strategic Budgeting and Planning  
   November 16, 2017

10. Adjournment

There being no further business, a motion was made to adjourn the meeting at 4:00 p.m.
Division of

Information Technology

University Council
February 5, 2018

Scott F. Midkiff
Vice President for IT & CIO
midkiff@vt.edu
https://it.vt.edu
Agenda

- About the Division of Information Technology
- **Selected highlights**
  - Teaching and Learning
  - Research
  - Operations and Administration
  - User Experience
- Proposed governance change
The mission of Virginia Tech’s Information Technology (IT) organization is to serve the university community and the citizens of the Commonwealth of Virginia by applying and integrating information resources to:

- Enhance and support instruction, teaching and learning;
- Participate in, support and enhance research;
- Foster outreach, develop partnerships with communities and promote the capabilities of advanced networking and communications; and
- Provide, secure, and maintain systems allowing the university to accomplish its missions.
Supporting the mission of the university

- Pillar 1: Enabling networked learning in the networked university
- Pillar 2: Providing competitive advantage through sustainable advanced cyberinfrastructure and collaboration
- Pillar 3: Leveraging information technology to distinguish the Virginia Tech experience
- Pillar 4: Advancing information technology for enterprise effectiveness

Positioning IT for the future

- Pillar 5: Ensuring the security and resilience of information technology resources
- Pillar 6: Improving communication with customers and partners
- Pillar 7: Strengthening the information technology organization

Division of IT Organization (1/3)
Division of IT Organization (2/3)

- **Administration & Planning (A&P):** Provides communications, facilities, financial management, IT purchasing, personnel services, and project management for the Division of IT and the university (under the Deputy CIO and Chief of Staff)

- **Advanced Research Computing (ARC):** Provides services and support for high-performance computing, large-scale storage, and advanced visualization for the university’s research community

- **Collaborative Computing Solutions (CCS):** Supports customer-focused services and infrastructure for collaboration tools, Microsoft technologies, and use of public cloud

- **Enterprise Systems (ES):** Provides enterprise-level services to the university including Ellucian Banner and application information systems, information warehousing and business intelligence, database administration, application administration and integration, and web content administration and hosting

- **IT Experience & Engagement (ITE²):** Serves as the “front door” for user support, coordinates user support activities across the Division of IT and beyond, and collaborates across the Division of IT to assess and improve user experience

- **IT Security Office (ITSO):** Provides tools and services, awareness, and guidance to help university units, faculty, staff, and students achieve a safe and secure IT environment for teaching, learning, research, outreach, and the conduct of university business (The associated IT Security Laboratory conducts and supports research and education in cybersecurity and provides students with experiential learning opportunities.)
Network Infrastructure & Services (NI&S): Provides network infrastructure for the university including wireless, Ethernet, voice services, high-data rate research connectivity, campus backbone, and wide-area networking; operates the university data center including enterprise, high-performance computing, and storage systems; collaboratively provides safety and security services; and leads special initiatives including a cellular distributed antenna system

Secure Identity Services (SIS): Supports the university’s online identity management and authentication processes and services to enable secure access to information resources and systems

Technology-enhanced Learning & Online Strategies (TLOS): Works with programs and faculty to design effective learning experiences; provides training to enhance faculty digital fluency; explores innovation in teaching and learning using technology; and supports innovative physical and virtual learning environments for traditional, distance, and hybrid courses

Virginia Cyber Range: Collaborates with Virginia universities, community colleges, and K-12 schools to make the Commonwealth of Virginia a national resource for cybersecurity education by operating a virtual environment for experiential learning, maintaining a repository of teaching resources, and building a community of practice in cybersecurity education

Office of the Vice President for Information Technology: Leads the Division of IT and collaborates across the university and beyond to grow and transform the institution through technology; and provides specific support for the university’s technology architecture, technology futures, IT policy, and engagement
Teaching and Learning Repositioned InnovationSpace

Strengthens TLOS’s Focus on Building Faculty Digital Fluency
Expands User Experience and Design Thinking Offerings
Consolidates Student-Facing Media Services in Newman Library
Provides Venue for Collaboration and Faculty Media Needs
Student Fellows Partner with Faculty on “Sandbox Projects”
Updated Grant Programs Help Faculty Explore New Technologies
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1140 Torgersen Hall
Teaching and Learning Video for Instruction

Current Usage (Annual)

- >150,000 attendees/students
- >3.6 million minutes of content
- >40,000 meetings
- >160 courses recorded

Planning & Implementation

- **2016**
  - Video for Instruction Working Group Formed

- **Spring 2017**
  - Analysis of Needs & Report

- **Fall 2017**
  - Testing of Software & Hardware Options

- **Nov. - Dec. 2017**
  - RFP

- **Dec. 2017 - Jan. 2018**
  - Product Comparisons & Pilot

- **Jan. - May 2018**
  - Purchase Decision & Contract Negotiations

- **May 2018**
  - Implementation & Stakeholder Communication

- **Summer 2018 & Beyond**
  - New Platforms Enter Production

- **Current Contracts Expire June 2018**

- **Refine Self-Service Video Solutions**

- **Deepen Integration with Canvas and Other VT systems**

- **Allow for Asset Management & Data Collection**

- **Provide Upgraded Video Services for All Users**

- **Replace Expiring Contracts for WebEx & Echo360**

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Teaching and Learning
Virginia Cyber Range

Courseware Repository
Courses, modules, and exercises for use in Virginia high school, community college, and university cybersecurity curricula

Exercise Area
Isolated network environments where students can safely complete hands-on cybersecurity exercises and competitions

Community of Purpose
Encouraging a community of cybersecurity educators to share best practices and improve cyber education in Virginia

- 85 Virginia Cyber Range courses supported this year
  - 55 courses at 40 Virginia high schools
  - 17 courses at 6 community colleges
  - 13 courses at 7 universities

- Over 500 student and instructor accounts

Executive committee partners: Virginia NSA Centers of Academic Excellence in Cybersecurity Education

- Danville CC
- George Mason University
- James Madison University
- Longwood University
- Lord Fairfax CC
- Norfolk State
- Northern Virginia CC
- Radford University
- Thomas Nelson CC
- Tidewater CC
Research
Advanced Research Computing

- Open access to high-performance computing systems and storage
  - BlueRidge
  - NewRiver
  - DragonsTooth
  - Cascades
  - Huckleberry

- Investment Computing Program
  - Joint investment for priority access for participating researchers

Huckleberry cluster for deep machine learning
Security and compliance are increasingly important for all of our data, but research data is on the front edge.

IT and Research are collaborating to address the full scope of compliance needs for data associated with sponsored programs and non-sponsored research.

The Division of IT can provide:
- Security and data compliance consultation
- Security reviews
- Compliant environments as solutions
**Research**

**VT-RNet: High Data-Rate Research Network**

- VT-RNet provides 10-Gbps network connections to dramatically reduce times for large data transfers
- 21 connections in 10 buildings to date
- Request for proposal process used to select locations
- Funded through an NSF grant (Award 1541338) plus Division of IT
Virginia universities collaborate for competitive advantages for research

Shared cyberinfrastructure resources and expertise
- Statewide network partnership with MBC
- Private optical networks
- Research Computing Technical Committee

Research and Education Exchanges in DC and Atlanta
- Access to Internet2, national and international research networks
- Direct peering with content and cloud service providers
- Low-cost commodity services
Operations and Administration
Banner 9 Transition: Administrative Pages
Operations and Administration
Banner 9 Transition: Web Applications

Employee Self-Service

Finance Self-Service

Ethos Analytics for Student

Faculty Grading Tool
Operations and Administration
Blackbaud (Advancement)
Operations and Administration
Summit Research Administration System
User Experience  
Making it easier to find and access services

OneCampus (onecampus.vt.edu)  
Service Catalog (4help.vt.edu)
Service partnerships provide a more seamless support experience for users.

ServiceNow enables coordination between local IT support and enterprise (Division of IT) support.

Participants to date:
- College of Agriculture and Life Sciences
- President’s Office (BAMS)
- Graduate School
- Libraries
- Mining and Materials Engineering
- College of Veterinary Medicine
- Office of Assessment and Evaluation
- Office of the Vice President for Research and Innovation
- Pamplin College of Business
- Office of the Provost
- VTC School of Medicine
User Experience
Two-factor authentication
User Experience
Outdoor Wi-Fi
Proposed IT Services & Systems Committee

- The Computing and Communications Resources Committee has been dormant for many years, being replaced by several advisory committees for the Division of IT.
- Proposed to be replace by the IT Services and Systems Committee
  - Reports to Commission on University Support
  - Four themes, each with a subcommittee:
    1) Teaching and learning;
    2) Research computing and research support
    3) Administrative systems and business intelligence
    4) Network infrastructure, IT services, identity and access management, security and user support
1. **Adoption of Agenda**  
   Dr. Timothy Sands

2. **Announcement of approval and posting of minutes of December 4, 2017**  
   Dr. Timothy Sands

   These minutes have been voted on electronically and will be posted on the University web.

3. **Reports from Commission Chairs**  
   Dr. Timothy Sands

   - **Commission Chair Briefings**
     - Commission on Administrative and Professional Faculty Affairs  
       Ms. Janice Austin
     - Commission on Equal Opportunity and Diversity  
       Dr. Deyu Hu
     - Commission on Faculty Affairs  
       Dr. John Ferris
     - Commission on Graduate Studies and Policies  
       Dr. Kevin Edgar
     - Commission on Outreach and International Affairs  
       Dr. Jan Helge Bøhn
     - Commission on Research  
       Dr. Jen Irish
     - Commission on Staff Policies and Affairs  
       Ms. Tammie Smith
     - Commission on Student Affairs  
       Mr. Chris Saunders
     - Commission on Undergraduate Studies and Policies  
       Dr. Dean Stauffer
     - Commission on University Support  
       Dr. Richard Ashley

4. **Old Business**  
   Dr. Timothy Sands

   - **University Council Resolution UC 2017-18A**  
     Mr. Robert Sebek

     Resolution to Amend the University Council By-Laws as Recommended by the Governance Task Force (Includes Governance Task Force report as requested by CSA Resolution 2015-16B & CFA Resolution 2015-16D.)

5. **New Business**  
   Dr. Timothy Sands

   - **Commission on Staff Policies and Affairs Resolution CSPA 2017-18B**  
     Ms. Tammie Smith

     Resolution to Change Authority to Manage the Staff Career Achievement Award

   - **Commission on Undergraduate Studies and Policies Resolution UC 2017-18D**  
     Dr. Dean Stauffer

     Resolution to Approve New Degree, Bachelor of Arts in Science, Technology, and Society

   - **Commission on Undergraduate Studies and Policies Resolution UC 2017-18E**  
     Dr. Dean Stauffer

     Resolution to Approve New Degree, Bachelor of Science in Science, Technology, and Society

6. **Announcement of acceptance and posting of Commission Minutes and Governance Task Force Report**  
   Dr. Timothy Sands

   These minutes have been accepted for filing by electronic vote and will be posted on the University web. Note that the purpose of voting on Commission minutes is to accept them for filing. University Council By-laws require that policy items be brought forward in resolution form for University Council action.

   Commission on Administrative and Professional Faculty Affairs

   **November 8, 2017**
Commission on Faculty Affairs

November 17, 2017

Commission on Graduate Studies and Policies

November 15, 2017
December 6, 2017

Commission on Outreach and International Affairs

November 16, 2017
December 14, 2017

Commission on Research

November 8, 2017

Commission on Undergraduate Studies and Policies

November 6, 2017
November 27, 2017
December 11, 2017


6. Presentation
   Information Technology Initiatives
   Dr. Scott Midkiff

7. For Information Only
   Minutes of the University Advisory Council on Strategic Budgeting and Planning
   November 16, 2017
   Dr. Timothy Sands

8. Adjournment
   Dr. Timothy Sands