UNIVERSITY COUNCIL MEETING
October 20, 2014
3:00 p.m.
1045 Pamplin Hall
AGENDA

1. Adoption of Agenda  
   Dr. Timothy Sands

2. Announcement of approval and posting of minutes of October 6, 2014  
   Dr. Timothy Sands

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

3. Old Business  
   Dr. Timothy Sands

   Commission on Graduate Studies and Policies  
   Resolution CGSP 2014-15C  
   Resolution to Establish the Master of Arts Degree in Data Analysis and Applied Statistics  
   Dr. Hans Robinson

   Commission on Undergraduate Studies and Policies  
   Resolution CUSP 2014-15A  
   Resolution to Approve New Major, Criminology in the Bachelor of Science in Sociology  
   Dr. Stephen Martin

   Commission on Undergraduate Studies and Policies  
   Resolution CUSP 2014-15B  
   Resolution to Approve New Major, Residential Environments and Design in the Bachelor of Science in Apparel, Housing, and Resource Management  
   Dr. Stephen Martin

   Commission on Undergraduate Studies and Policies  
   Resolution CUSP 2014-15C  
   Resolution to Approve New Degree in Bachelor of Science in Systems Biology  
   Dr. Stephen Martin

   Commission on Undergraduate Studies and Policies  
   Resolution CUSP 2014-15D  
   Resolution to Discontinue Bachelor of Arts in Humanities, Science, and Environment  
   Dr. Stephen Martin

4. Announcement of acceptance and posting of Commission Minutes  
   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 Equal Opportunity and Diversity  
   September 8, 2014

   Commission on Graduate Studies and Policies  
   September 17, 2014

   Commission on Outreach and International Affairs  
   September 18, 2014

   Commission on Undergraduate Studies and Policies  
   September 22, 2014

5. For Information Only  
   Dr. Timothy Sands

   Minutes of the University Advisory Council on Strategic Budgeting and Planning  
   August 28, 2014
6. **Presentation**

Technology-enhanced Learning and Online Strategies (TLOS) – next steps, and innovative practices in teaching and learning

Mr. Dale Pike

7. **Adjournment**

Dr. Timothy Sands
University Council Minutes
October 20, 2014
3:00 PM
1045 Pamplin Hall


Absent: Jack Davis, Elizabeth Flanagan, Elizabeth Spiller, Pam White, Reed Kennedy, Maxine Lyons, Alex Parrish, Susan Anderson (with notice), Charlene Eska (with notice), Bruce Pencek, Anita Puckett (with notice), Kathrine Carter (with notice), Dave Dugas, Tom Fox, Nanda Nanthakumar, Ana Agud, Melissa Means, Alphonso Garrett (with notice), Michael Martin (with notice), Kylie Gilbert, Stephen Hensell, Bernice Hausman (with notice), Austin Larrowe, Ashley Francis (with notice)

Guests: Jack Finney, Rachel Holloway, Hal Irvin, Chris Kiwus, J. P. Morgan, Sandra Muse, April Myers, Dale Pike, Ellen Plummer, Eric Smith, David Travis, Jr.

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 October 6, 2014

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. Old Business

Commission on Graduate Studies and Policies
Resolution 2014-15C
Resolution to Establish the Master of Arts Degree in Data Analysis and Applied Statistics

Dr. Hans Robinson presented the resolution for second reading and made a motion to approve. The motion was seconded. A concern was mentioned that this new Master of Arts degree in Data Analysis and Applied Statistics could be confused with the Bachelor’s degree in Computational Modeling and Data Analytics. It was indicated that these two programs are very different programs. Data analytics is tied to more business applications, data mining, and larger data sets. Data analysis deals more with applications in psychology and sociology. This new degree is a less theoretical degree than the current Master of Science degree in Statistics. Dean DePauw indicated that there are several applied as well as several theoretical Master’s degrees and PhDs.

A vote was taken and the resolution passed.
Commission on Undergraduate Studies and Policies
Resolution 2014-15A
Resolution to Approve New Major, Criminology in the Bachelor of Science in Sociology

Dr. Stephen Martin presented the resolution for second reading and made a motion to approve. The motion was seconded, and the motion passed.

Commission on Undergraduate Studies and Policies
Resolution 2014-15B
Resolution to Approve New Major, Residential Environments and Design in the Bachelor of Science in Apparel, Housing, and Resource Management

Dr. Stephen Martin presented the resolution for second reading and made a motion to approve. The motion was seconded. A question was raised as to how much overlap there will be with this new major and the Building Construction program. It was indicated that the faculty in Apparel, Housing, and Resource Management teach in the Building Construction program but there is very little crossover in student majors.

A vote was taken and the motion passed.

Commission on Undergraduate Studies and Policies
Resolution 2014-15C
Resolution to Approve New Degree in Bachelor of Science in Systems Biology

Dr. Stephen Martin presented the resolution for second reading and made a motion to approve. The motion was seconded, and the motion passed.

Commission on Undergraduate Studies and Policies
Resolution 2014-15D
Resolution to Discontinue Bachelor of Arts in Humanities, Science, and Environment

Dr. Stephen Martin presented the resolution for second reading and made a motion to approve. It was noted that there are a few students in the program, and they will be able to complete their plan of study. New students are not currently being enrolled in the program. The motion was seconded, and the motion passed.

4. 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 Equal Opportunity and Diversity
  September 8, 2014

- Commission on Graduate Studies and Policies
  September 17, 2014

- Commission on Outreach and International Affairs
  September 18, 2014

- Commission on Undergraduate Studies and Policies
  September 22, 2014
5. **For Information Only**

Minutes of the University Advisory Council on Strategic Budgeting and Planning  
April 28, 2014

6. **Presentation**

Mr. Dale Pike gave a presentation (attached) on Technology-enhanced Learning and Online Strategies (TLOS) – next steps, and innovative practices in teaching and learning.

7. **Adjournment**

There being no further business, a motion was made to adjourn the meeting at 3:57 p.m.
Technology-enhanced Learning & Online Strategies

Virginia Polytechnic Institute and State University
# The Simple Answers

To the questions that get asked about every new technology:

<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Will   MAKE US ALL GENIUSES?</td>
<td>NO</td>
</tr>
<tr>
<td>Will   MAKE US ALL MORONS?</td>
<td>NO</td>
</tr>
<tr>
<td>Will   DESTROY WHOLE INDUSTRIES?</td>
<td>YES</td>
</tr>
<tr>
<td>Will   MAKE US MORE EMPATHETIC?</td>
<td>NO</td>
</tr>
<tr>
<td>Will   MAKE US LESS CARING?</td>
<td>NO</td>
</tr>
<tr>
<td>Will   TEENS USE   FOR SEX?</td>
<td>YES</td>
</tr>
<tr>
<td>Were they going to have sex anyway?</td>
<td>YES</td>
</tr>
<tr>
<td>Will   DESTROY MUSIC?</td>
<td>NO</td>
</tr>
<tr>
<td>Will   DESTROY ART?</td>
<td>NO</td>
</tr>
<tr>
<td>But can't we go back to a time when...</td>
<td>NO</td>
</tr>
<tr>
<td>Will   BRING ABOUT WORLD PEACE?</td>
<td>NO</td>
</tr>
<tr>
<td>Will   CAUSE WIDESPREAD ALIENATION BY CREATING A WORLD OF EMPTY EXPERIENCES?</td>
<td>WE WERE ALREADY ALIENATED</td>
</tr>
</tbody>
</table>

A model of learning support

TLOS goals

Inventing our future
Courtesy of V.J. Wedeen and L.L. Wald, Martinos Center for Biomedical Imaging at MGH
Technology-enhanced Productivity and Innovation

![Diagram showing the relationship between capacity, proficiency, productivity, and time, with a trend towards innovation over time.]}
Tools
TEAL + "Flipped"
Technology-enhanced Learning & Online Strategies
2014-2016 IT Operational Plan (excerpt)

Pillar 1: Enabling Networked Learning in the Networked University
2014-2016 IT Operational Plan (excerpt)

Area 1: Online and technology-enhanced education
learning strategies including support for effective design of learning
Initiative 1: Provide creative, technical, and financial support for faculty members and graduate teaching assistants engaged in online and technology-enhanced education.

Task 1: Explore, encourage, and support technology-enhanced active learning (TEAL) as part of the ongoing refresh of TLOS’ teaching and learning initiatives.

Task 2: Expand strategic course redesign, program development, course development, and assessment efforts across the range of teaching modalities.

Task 3: Advance and streamline the TLOS grant processes and programs to encourage innovative uses of instructional technologies across Virginia Tech.
2014-2016 IT Operational Plan (excerpt)

Goal 2: Investigate, develop, and utilize current tools and em
Initiative 2: Address the charge of The Plan for a New Horizon to “develop an appropriate infrastructure for e-learning”, including a defined institutional approach to online learning.

Task 1: Provide an agile and responsive environment for discovering, evaluating and disseminating new applications of emerging technologies and pedagogies

Task 2: Define, advocate, model, and support evolution of virtual learning spaces and systems to advance 21st century learning environments.
How to Invent the Future?

• Improve our organizational capacity to deliver rich technology-enhanced learning experiences.
  • Rich Learning Environments
  • Support for Faculty Digital Fluency
  • Multi-modal Course Design and Development
How to Invent the Future?

• Collectively "own" outcomes of excellence.
  
  • World-class learning environments.
  
  • Rich, engaging interactive course content.
  
  • The most advanced faculty support and content development strategies in the world.
Concrete actions

• Align TLOS activities with complimentary high impact/high priority initiatives [General Education, Office of Assessment]

• Improve our capacity to develop rich, interactive course content suited for multi-modal delivery strategies [TLOS reorg, partnerships]

• Explore and implement next-generation learning platforms [scale, media use, content accessibility]

• Enable exploration and implementation of learning analytics [tools + strategic vision + support]

• Facilitate individualized faculty digital fluency support [modular NLI, consultations, FRM]
“Before you become too entranced with gorgeous gadgets and mesmerizing video displays, let me remind you that information is not knowledge, knowledge is not wisdom, and wisdom is not foresight. Each grows out of the other, and we need them all.”

— Arthur C. Clarke