

ITS Updates to Faculty Senate

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Agenda

- Virtualizing Labs
- Vacation/Sick Retirement
- Cybersecurity Awareness Month and MFA
- Email Policy Changes



Virtualizing Labs



Goal – Reclaim computer lab space for general classroom usage and research lab space



Solution – Combination of Virtual Desktop and Application Streaming will provide a more flexible computing experience

- Measures of Success -
 - Reclaim computer lab space
 - Provide academic program specific software applications for student coursework
 - Provide comparable or increased computing performance for software
 - Provide flexibility for students to complete coursework from anywhere at anytime

Virtualizing Labs - Timeline

Pilot Fall 2020 – 3 Faculty members + Tony Petrella (EBGN, FEGN, CBE, and MINING)



Phase 1

Virtualize Windows-based teaching and open computer labs on campus

- Reclaim 55% of lab space (26,319 sqft)
- Fall '21 implementation with Spring '21 pilot

Phase 2

Virtualize specialized Windows-based computer labs for graphics-intensive, 3-D visualization capabilities and large dataset-use labs (10GB+)

- Reclaim 16 % of lab space (7,462 sqft)
- Spring '21 implementation for Sum/Fall '21 use

Phase 3

Virtualize specialized Linux-based computer labs

- Reclaim 12% of lab space (5,907 sqft)
- Summer '21 implementation for Fall '21 use

Phase 4

Virtualize specialized computer labs requiring physical connectivity to instrumentation or similar devices

- Reclaim 17% of lab space (8,164 sqft)
- Fall '21 implementation for Spring '22 use

V/S System Retirement

WHY?

- State of Colorado labor regulations
- Unsupported technologies
- Causes **hundreds** of additional work-hours for MAPS

Important Leave Reporting Questions

What constitutes a reason for taking and reporting sick time?

- Faculty Handbook 5.4.4 "Faculty are expected to utilize sick leave to cover their time off from work for preventive and diagnostic medical examinations, receipt of medical treatment, and recovery from illnesses and non-work-related injuries"

Does sick time payout come from a Mines account or from a faculty member's research account?

- It charges against whatever account(s) they are being paid from, including research accounts.

If people are on a 9-month contract, how does accrual or leave reporting work over the summer?

- Academic Faculty still accrue leave over the summer. If they miss work while on paid status (summer teaching or research), they are expected to use sick leave if applicable.

What is the official HR policy on taking leave time?

- HR does not have a policy, but the Faculty Handbook is the governing document.

Does leave reporting have to be done for faculty? Why is this important?

- Yes, Faculty are required to report use of sick leave. They are taking advantage of a benefit. The current leave system allows for a proxy set-up, so for instance, the Department Program Assistant can submit leave for the faculty member. Unless sick leave is abolished it will need to be reported when used.

What are the implications of faculty not entering their time?

- There can be financial implications for Mines for PERA Retirees due to the sick leave payout requirement. There can also be various employment related consequences.

Cybersecurity Awareness

- Cybersecurity is everyone's responsibility
- It is important everyday – regardless of your location
- Cybersecurity awareness to be added as mandatory with NEO
 - Phishing accounts for **75%** of our Security Operations Center tickets
- MFA implementation

Think before
you act

Protect
personal info

Be wary of
hyperlinks

Sign up for
MFA

Vary your
PW protocol

Anti-virus
software

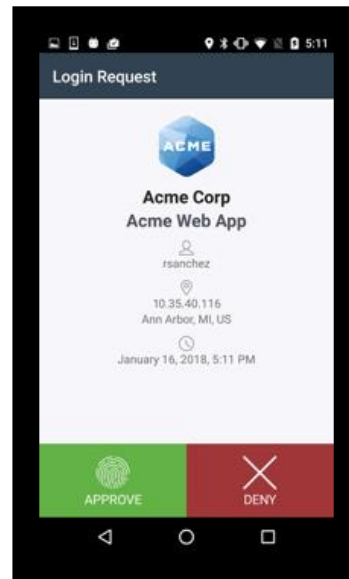
DO YOUR PART.
#BECYBERSMART

DUO Multi-factor Authentication



- Multi-factor authentication (MFA), sometimes called two-factor authentication
 - Use of a physical device, either an app on your phone or a hardware token, in addition to a password when logging into an account.

MUST BE ON THE MINES NETWORK TO ENROLL IN DUO



<https://its.mines.edu/mfa/>

Email Policy Changes



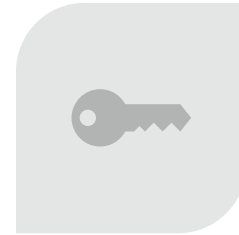
ALL EMAIL CLIENTS MUST USE MODERN AUTHENTICATION METHODS IN ORDER TO ACCESS EMAIL.



EMAIL CLIENTS USED TO ACCESS CSM EMAIL MUST BE VENDOR SUPPORTED WITH TIMELY SECURITY PATCHES ISSUED.



POP (POST OFFICE PROTOCOL) CONNECTIONS ARE NOT ALLOWED.



IMAP (INTERNET MESSAGE ACCESS PROTOCOL) CONNECTIONS WILL BE ALLOWED UNTIL FALL 2021 AND MUST USE OAUTH FOR AUTHENTICATION.



ALL OFFICIAL MINES BUSINESS AND COMMUNICATIONS MUST USE MINES EMAIL ACCOUNTS.

For more details and definitions, see Appendix

Email Policy Changes - FAQs

- Where can I find a list of supported / acceptable-to-use email clients?
 - A comprehensive list of acceptable clients will be distributed in advance of policy implementation
- When is this happening?
 - The new policy is anticipated to be approved in November/December 2020
- Do I have to change immediately, or is there a transition period?
 - There will be a transition period; so you will need to be on a compliant email client by the Fall of 2021 when we re-assess the IMAP + OAUTH permanent use.



Questions?

