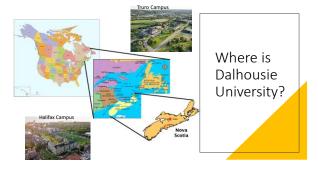




Course Description • The unexpected can happen at any time. In our case, it was a fire to our principle academic building on our agricultural campus late june of 2018. We needed to make temporary arrangements for the immediate summer term, for fall term starting in 10 weeks and for the rebuild. We had to create a plan keeping the overall mission of the institution at the for front while decisions were prioritized honestly, transparently and with respect for the loss suffered by the community.







Dalhousie University

- 4 Campuses
- 13 faculties
- Faculty = 12
- Staff = 2200
- Focusing on our Agricultural Camp
- faculty=86
 Staff = 66
- Students 1000 (100 grad or PhD)
- 4 Denartments -> 3 significantly impacted by the fire

7



8

Where the fire occurred



Background about the Cox Institute

- Designed in 1960 consisted of two wings East and west wing.

 Was transferred to Dalhousie in 2012 by the Government.



10



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MOULD !!

Incident occurs June 20, 2018

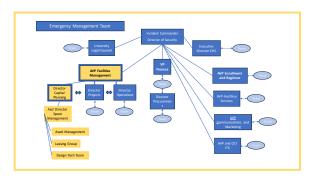
Crisis Management Plan Activated

Group	Minor Emergency	Major Emergency	Disaster
Campus Security	Yes	Yes	Yes
Site Management Team	Yes	Yes	Yes
Emergency Operations Group	No Action	Yes	Yes
Executive Management Team	No Action	Yes - minimum team	Yes - full team

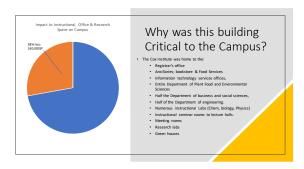
Hazard Classification: Major Emergency

Fire or explosion: Extensive injuries/death or damage to properly disrupts operations in an area requiring a relication of services or residents. All or a large portion of one or more facilities are affected with a long-term recovery period.

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Emergency Response Steps – Phase 1A



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Phase 1a Mitigation of Risk & Protecting assets

- Community safety services, Fire, PD, Ambulance for immediate response.
- EHS provided information about risk to AHJ
- Under the direction of AHJ with Security and operations assisted with information as required.
- Security secured the area under direction of the AHJ for investigation after the fire was out.
- AHJ remained on site also.

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While phase 1a mitigation of risk was underway...

- forked with registrar on relocation of classes; formation for immediate response for releas sooked space to work out of in advance of aveiling to rural campus;

Emergency Response Steps – Phase 1b



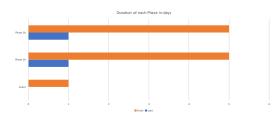
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Short Term Requirements

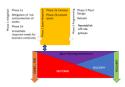


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Duration of phase



Emergency Response Steps Phase 2a & b



22

Phase 1b Immediate response by end of week 2

- Awaited Evaluation of west wing
- Investigated what the impact of Fall schedule would be;
- Options for various needs were considered.
- Started to short list what could not be accommodated.



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Phase 2a Space Response triage – immediate

- The impact of the fine was significant taking our 160,0005r of space for the summer.

 Classrooms Utilizations were such that we could intensify bookings and we could do some shuffling Registrar of fice managed.

 Classroom Utilizations for fall scenario 1 80,0005F and scenario 2 80,0005F

 Course were modified with help of instructions to minimize lab needs to be able to share multiple labs.

 - Council service when the council service service services are services services services.

 Set up shared computer access areas.

 Immediate need to find space for prejistrar, student recruitment

 Immediate need for bookstore

 Communicate to determine needs, plan and implement spaces to meet shortfall for offices, instructional research and grad student space.

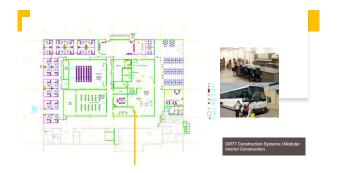
Phase 2a – Space – Short Term – on campus
— to be ready within 10 weeks.

- Indiana to the control of the contr

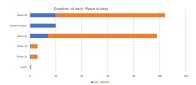
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Phase 2b – Space – Short Term –off campus — to be ready within 10 weeks. \$10,0000 learned space for what controlled: \$20,0000 learned space for what controlled: \$20 cut of the controlled o

26



Duration of Phase 2a & 2b



28

Emergency Response Steps Phase 3a & b



29

Defining Context for Rebuild Strategic Had to meet the Faculty's strategic direction. Functional: The space had to allow the Faculty to meet its strategic plan. Physical: Had to remain within the existing footprint of the building. Financial: We were asked to design in a fiscally responsible manner fiscal oversight was provided by a form of the financial report of the space is University space. *The Old Cox rebuild will meet current fire and building codes.

Principles

- University Space Guidelines will be used to allocate space;
- Common spaces will be shared across departments/units;
- Meeting and instructional spaces will be communal except for specialized spaces;
- Core facilities will be used where possible;
 Central chemical storage will be accommodated;
- Offices for instructors will be near labs and prep spaces;
- Floor plans will provide efficient and effective use of space; All space will be flexible to accommodate future multi-purpose needs; and
- Supports financial responsibility.

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Design Objectives to Ensure a **Functional** Space

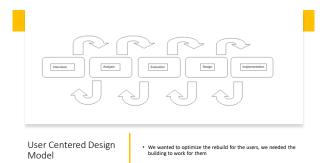
Accessible- CSAB651-18 Aesthetics –Warm inviting Timeless Cost Effective - Standardize Functional operation- energy conservation Productive – reliable materials Secure/Safe – fire and life safety codes priority Sustainability – considered as a whole

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Phase 3 – Program for Rebuild of East wing

- Information was reviewed and confirmed multiple times.
- We needed to separate the needs from the wants
- We applied the approved context of the rebuild and the design principles and objectives into a space program.





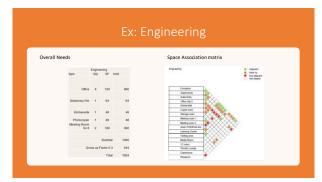


Туре	Allocation	gliss up	Total
engineering	1480	0.3	1,924
ples	2800	0.3	3,640
business	2220	0.3	2.886
Enrollment Services	2310	0.3	3,003
leaching	10039	0.6	16,062
Įnst Lab	17366	0.6	27,768
Shared	2240	0.3	2.912
	22.40		2,012
Grad Students	1600	0.3	2.080
Aux Space	1749	0.4	2.449
Research	620	0.6	992
Central Srys	4080	0.6	6.528
Core	3720	0.6	5,952
sub total	50213		
gross up 0.6	30127.8		
total range	80340.8		75,195

35

- Engineering
- PFES
- Business
- Environmental Services
- Teaching spaces
- Instructional Labs
- Shared spaces
- Graduate Student Spaces
- Research units
- Ancillary services
- Central Services

• Core Services



Room Data Sheet for each type of space



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115 page Principles and Space Program document released.



What did we achieve in the rebuild?

- Separated Functions
- Improved Safety
- Created CORE services areas
- Improve Teaching spaces
- Improved student services space, study space and supports
- Increased the number of offices

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Level 1

Pre Fire

Rebuild





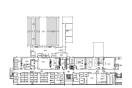
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Level 2

Pre Fire

Rebuild











The Transformation Continued



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Return of offsite personnel and spaces

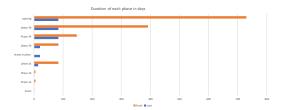


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Lessons Learned

- Communication is key
- Designate a lead for each group
- Shock is real! Ensure HR has supports on site. Be ready for emoti
- Clarify responsibilities early everyone stays in their swim lan
- There may be additional staff required in our case we hired Fire Response Coordinator, storekeeper, administrative assistant for environment calibration
- Additional funds were allocated to support instructors until the rebi was completed.
- FM Leader, support, encourage and trust your tea

Duration of Phase 3a & 3b



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This concludes The American Institute of Architects Continuing Education Systems Course



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