### 6 Rooms

<table>
<thead>
<tr>
<th>Address</th>
<th>Area</th>
<th>Room Type</th>
<th>Select Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>124 Olin Hall</td>
<td>497</td>
<td>Faculty Office (professorial)</td>
<td>DIRECTOR</td>
</tr>
<tr>
<td>362 Olin Hall</td>
<td>308</td>
<td>Faculty Office (professorial)</td>
<td>CLANCY</td>
</tr>
<tr>
<td>365 Olin Hall</td>
<td>287</td>
<td>Research &amp; T. A. Office</td>
<td>MATERIALS GROUP</td>
</tr>
<tr>
<td>365C Olin Hall</td>
<td>106</td>
<td>Research &amp; T. A. Office</td>
<td>MATERIALS GROUP</td>
</tr>
<tr>
<td>365D Olin Hall</td>
<td>81</td>
<td>Research &amp; T. A. Office</td>
<td>MATERIALS GROUP</td>
</tr>
<tr>
<td>365G Olin Hall</td>
<td>484</td>
<td>Research &amp; T. A. Office</td>
<td>MATERIALS GROUP</td>
</tr>
</tbody>
</table>

### Urgent Recovery

*Under emergency conditions would your research group be able to be productive...*

No

*What critical aspects of your operations would need to be recovered within 30 days?*

<table>
<thead>
<tr>
<th>Description</th>
<th>Days</th>
<th>Contact</th>
<th>Alternate Location</th>
<th>Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restoration of power</td>
<td>0</td>
<td>Brian Ford</td>
<td>Cannot relocate the servers</td>
<td></td>
</tr>
<tr>
<td>Restoration of network and IT services</td>
<td>1</td>
<td>Jim Marco</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Unusual Resources Needed

**What resources need to teach course**

None

**Hazards to your research & teaching operations**

1. Water damage could destroy the computers. We have about a $500,000 investment.
2. Power loss beyond the 20-30 minutes covered by the UPS means that my entire group cannot work.
3. Loss of A/C cooling in the server room in B77 cannot be tolerated beyond about 2-3 hours.

Comments: None

### Paper Data

*Describe Critical Paper documents:*

No. I keep everything on my laptop which is backed up to a remote server every day.

*Is it backed up?*
Electronic Data Backup

How much of your electronic data is backed up?

☐ All

How do you get your data backed up?

☐ Research Group
☐ Department IT Staff
☒ Research Center IT Staff
☐ CIT’s EZ Backup
☐ Other

Comments: We are just about to purchase data storage equipment for secure off-site back up at a remote location (CAC).

Equipment

Dependent on custom equipment?

☐ No

Please describe each of the major pieces of unique equipment...

How long to rebuild equipment?

Critical research Samples?

☐ No

Critical research samples?

Dependent on other research group?
Servers

Servers with Critical Data?

| Yes |

<table>
<thead>
<tr>
<th>Servers:</th>
<th>Location</th>
<th>Dept Rsrch</th>
<th>You Rsrch</th>
<th>Other Rsrch</th>
<th>Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>~150 servers and workstations</td>
<td>B77 (Server room)</td>
<td>☐</td>
<td>☒</td>
<td>☒</td>
<td>☒</td>
</tr>
<tr>
<td>~60 workstations</td>
<td>B59 (UG computing lab)</td>
<td>☒</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>~12 workstations</td>
<td>316 (Grad computing lab)</td>
<td>☐</td>
<td>☒</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>100s of other faculty, staff, and grad/post-doc computers</td>
<td>Scattered around Olin</td>
<td>☒</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>

Additional Comments

For my group, my chief concern is operability of servers. We have a large investment of computing equipment upon which my entire group relies. If we could no longer have access to our computers, my entire group would be idle. We are taking steps to secure the data, but if we lost the machines themselves we would need access to other free machines and prodigious amounts of cycles. For my department, I worry about other emergency preparedness in the event of a Va.Tech.-like event. How would I know whether to lock the doors of Olin Hall to keep everyone safe or evacuate Olin Hall asap (is the threat inside or outside the building?) How do we let everyone know the danger? How do we establish a chain of command and a plan to evacuate/stay inside? How do I even know who is in my building at any given day/time? PC
2 Rooms

<table>
<thead>
<tr>
<th>Address</th>
<th>Area</th>
<th>Room Type</th>
<th>Select Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>352 Olin Hall</td>
<td>359</td>
<td>Faculty Office (professorial)</td>
<td>DUNCAN</td>
</tr>
<tr>
<td>B05 Olin Hall</td>
<td>1162</td>
<td>Non-class Laboratory (resrch)</td>
<td>DUNCAN</td>
</tr>
</tbody>
</table>

Urgent Recovery

*Under emergency conditions would your research group be able to be productive...*

No

*What critical aspects of your operations would need to be recovered within 30 days?*

<table>
<thead>
<tr>
<th>Description</th>
<th>Days</th>
<th>Contact</th>
<th>Alternate Location</th>
<th>Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>electricity</td>
<td>1</td>
<td>T M Duncan</td>
<td>none</td>
<td></td>
</tr>
<tr>
<td>heat &amp; air conditioning</td>
<td>1</td>
<td>T M Duncan</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Unusual Resources Needed*

High persistent magnetic field. Cannot be moved without de-energizing and re-energizing. Typical cost is $10,000, if no problems encountered.

*What resources need to teach course*

Lecture room with tables capable of seating 84.

*Hazards to your research & teaching operations*

Flood and fire

Paper Data

*Describe Critical Paper documents:*

Yes. Lab notebooks and computer files

*Is it backed up?*

Partial

*Where is your paper data stored?*

B5 Olin Hall

*Where are the backups stored*

In same building as originals
### What is the address

| 352 Olin Hall |

### Barriers to backing up paper data?

- the tedium of photocopying.

### Which part isn't backed up

- lab notebooks

### Electronic Data Backup

#### How much of your electronic data is backed up?

- All

#### How do you get your data backed up?

- [x] Research Group
- [ ] Department IT Staff
- [ ] Research Center IT Staff
- [ ] CIT's EZ Backup
- [ ] Other

- Geoff Genesky - graduate student

#### eBackupLocation

- In same building as system(s) being backed up

#### Backup Address

- somewhere in the Olin Hall basement.

#### eBackupTested

- Yes

### Equipment

#### Dependent on custom equipment?

- Yes

#### Please describe each of the major pieces of unique equipment...

<table>
<thead>
<tr>
<th>Equipment Description</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>cryomagnet - needs LN2 every week, need LHe every 8 weeks</td>
<td>B5 Olin Hall</td>
</tr>
</tbody>
</table>
How long to rebuild equipment?
- 6-12 months

Critical research Samples?
- Yes

Critical research samples?
- B5 Olin Hall

Dependent on other research group?
- Yes

Dependent on what research group(s)?
- Cohen Research Group - Olin Hall

Servers

Servers with Critical Data?
- Yes

Servers:  
<table>
<thead>
<tr>
<th>Location</th>
<th>Dept</th>
<th>Rsrch center</th>
<th>You</th>
<th>Rsrch Grp</th>
<th>Other</th>
<th>Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>ChemE servers</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Jim Marco</td>
</tr>
</tbody>
</table>
Stroock, Abraham Duncan

CBE COOP Appendix - Survey Results

7 Rooms

<table>
<thead>
<tr>
<th>Address</th>
<th>Area</th>
<th>Room Type</th>
<th>Select Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>360 Olin Hall</td>
<td>277</td>
<td>Faculty Office (professorial)</td>
<td>STROOCK</td>
</tr>
<tr>
<td>330 Duffield Hall</td>
<td>538</td>
<td>Non-class Laboratory (resrch)</td>
<td>BONASSAR/STROOCK</td>
</tr>
<tr>
<td>103 Olin Hall</td>
<td>542</td>
<td>Non-class Laboratory (resrch)</td>
<td>STROOCK GROUP/HANRATH GROUP</td>
</tr>
<tr>
<td>109 Olin Hall</td>
<td>174</td>
<td>Non-class Laboratory (resrch)</td>
<td>MICROSCOPY</td>
</tr>
<tr>
<td>210 Olin Hall</td>
<td>397</td>
<td>Non-class Laboratory (resrch)</td>
<td>STROOCK GROUP</td>
</tr>
<tr>
<td>201A Olin Hall</td>
<td>178</td>
<td>Non-class Laboratory Service</td>
<td>AUTOCLAVE ROOM</td>
</tr>
<tr>
<td>247 Olin Hall</td>
<td>336</td>
<td>Research &amp; T. A. Office</td>
<td>MATERIALS GROUP</td>
</tr>
</tbody>
</table>

Urgent Recovery

Under emergency conditions would your research group be able to be productive...
No

What critical aspects of your operations would need to be recovered within 30 days?

<table>
<thead>
<tr>
<th>Description</th>
<th>Days</th>
<th>Contact</th>
<th>Alternate Location</th>
<th>Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>cell culture</td>
<td>1</td>
<td>Abraham Stroock (ads10)</td>
<td>Weill Hall</td>
<td>Abraham Stroock (ads10)</td>
</tr>
</tbody>
</table>

Unusual Resources Needed

- Incubators.

What resources need to teach course

- Classrooms.

Hazards to your research & teaching operations

- Power outage.

Comments: Please do not paralyze operations with procedures designed to aid in the time of an emergency!

Paper Data

Describe Critical Paper documents:

Not many critical items are on hard copy at this time.

Is it backed up?

Partial
Where is your paper data stored?
- Cornell or home office.

Where are the backups stored
- Off campus

What is the address
- 224 and 360 Olin Hall

Barriers to backing up paper data?
- time

Which part isn't backed up
- advisee records; class notes

Electronic Data Backup

How much of your electronic data is backed up?
- Some

How do you get your data backed up?
- ☒ Research Group
- ☐ Department IT Staff
- ☐ Research Center IT Staff
- ☐ CIT's EZ Backup
- ☐ Other
  - every member of group

eBackupLocation
- Off campus

Backup Address
- 224 Olin Hall

eBackupTested
- Yes

Device

Dependent on custom equipment?

Servers with Critical Data?

No

Critical research Samples?

Yes

Critical research samples?

Olin Hall Labs and Duffield.

Dependent on other research group?

Yes

Dependent on what research group(s)?

Fischbach (BME)