Campus Geographic Context
Campus Evolution
Dartmouth Campus Evolution
1769 to 2012
Core Campus Now ~275 Acres
The Green is the Gateway

Organize the campus and future development along walkable “branches”
Current Project: a good management system

- Desktop FM not supported since 2009
  - Software updates of other firms are not compatible
    - we are time locked
    - things have started to break
- Computing can not support us
  - security risk
- Minimal support for Space System
  - Priority was not on space management
  - No personnel to update database
The Plan

- Increase Awareness that space is finite, expensive and sometimes can be political sensitive
- Select a modern, highly compatible and inclusive Space Management System
- Create a transparent, easy to use, up-to-date space database
AutoCAD’s FM Desktop has been used as Space Database for 10+ years in:

- Planning, Design and Construction
- Maintenance and Use of College Facilities
- Human Resources and Finance
- Real Estate Office
- Residential Life Residence Hall Management & Accessibility
- Research Grants
Evaluation

- Firm's History
- Supports AutoCAD, Revit, ArcGIS
- Intuitive interface
- Reporting and Mobile capabilities
- Good technology practices
- Security
- Meets institutional Requirements
- Cost
Manhattan's Centerstone won the bid
Preparing Data

- Hiring a surveying firm to confirm, clean, modify, create 2D CAD drawing
  - Wall, Window, Door, Polylining
  - Data ports, Fire Extinguishers etc.
  - Other

<table>
<thead>
<tr>
<th></th>
<th>No Cleaning Needed</th>
<th>Some Cleaning Needed</th>
<th>Lot of Cleaning Needed</th>
<th>No Drawing Available</th>
<th>Totals</th>
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</thead>
<tbody>
<tr>
<td>Academic</td>
<td>1,718,409</td>
<td>106,103</td>
<td>437,517</td>
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<td>2,262,029</td>
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<tr>
<td>Administration</td>
<td>150,736</td>
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<td>94,742</td>
<td>256,078</td>
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<td>Affinities</td>
<td>18,511</td>
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<td>18,080</td>
<td>8,550</td>
<td>45,141</td>
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<td>College Greek</td>
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<td>12,000</td>
<td>25,250</td>
<td>25,700</td>
<td>62,950</td>
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<td>Residence Hall</td>
<td>574,221</td>
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<td>755,638</td>
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<td>1,329,859</td>
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<td>Student Life</td>
<td>165,375</td>
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<td>75,464</td>
<td>1,448</td>
<td>242,287</td>
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<tr>
<td>Grand Total</td>
<td>2,627,252</td>
<td>118,103</td>
<td>1,406,691</td>
<td>46,298</td>
<td>4,198,344</td>
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</table>
Building Date? (1784/1793, 1904, 1935)
Instructional Space – 2010 Assessment
Prepared for the Office of Planning & Design
By Biddison-Hier

- Seminar rooms
- General purpose classrooms
- Case study rooms
- Lecture halls
- Auditoria
Who assigns rooms?

There are 147 rooms used for general instruction.

Of these, almost half (48%) are assigned by departments, somewhat less than half (44%) are assigned by the Registrar, and the rest (8%) are jointly assigned by the Registrar and departments.

<table>
<thead>
<tr>
<th>Room Assigner</th>
<th>Total</th>
<th>Pct.</th>
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<tbody>
<tr>
<td>1Registrar</td>
<td>64</td>
<td>44%</td>
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<tr>
<td>2Joint</td>
<td>12</td>
<td>8%</td>
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<tr>
<td>3Department</td>
<td>71</td>
<td>48%</td>
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<tr>
<td><strong>Total</strong></td>
<td>147</td>
<td>100%</td>
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</table>
Space Policies

- Structure for space administration
  - Committees
    - How do we create buy-in
    - Who should be included
  - Standards
    - Where to start
    - What to leave out
  - Policies
    - How hard should they be?