Interview Feedback, Space Planning

October 21, 2011
1. Introductions
2. Stakeholder Interview Feedback
3. Space Needs Analysis
4. Next Steps
Introductions
Your Design Team

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Campus Planner, Project Manager

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Space Utilization/Needs

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Space Utilization/Needs

Dan Brown and Taressa Murray

Yvonne Thibodeau
Space Utilization/Needs

Dan Paulien
Space Utilization/Needs

Yvonne Thibodeau
Space Utilization/Needs

Dan Paulien
Space Utilization/Needs

Yvonne Thibodeau
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Dan Paulien
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Yvonne Thibodeau
Space Utilization/Needs

Dan Paulien
Space Utilization/Needs

Yvonne Thibodeau
Space Utilization/Needs

Dan Paulien
Space Utilization/Needs
Stakeholder Interview Feedback
• Everyone expects to park in front of destination
• Plenty of parking supply at athletics – “We don’t have a parking problem, we have a walking problem.”
• Students, faculty, staff, and visitors drive around campus, avoid walking
• Parking management not effective – students purchasing multiple passes
• Facilities miss parking for full-size vehicles at every building
• AHTD road maintenance below expectations
• Shrink Aggie after Caraway closure
• JETS serves campus, 1 hour headways
• Post office could re-locate
• Too much campus to mow
• Plantings at gateways should “wow” visitors
• Grass browns out without full-time watering in summer
• Space east and west of Union only effective outdoor spaces
• Need for recreational spaces near res halls
- Academic core is ped-oriented
- Many ped/vehicle conflicts walk to res halls and athletics
- Crossing Aggie at Red Wolf Center dangerous
- Many hopeful about Caraway closure
- Crosswalks have little meaning for many
- Students will cross ditch and RR to access intramural fields
- Need sidewalks south of campus
- When parking is more difficult, more will bike
- Campus is virtually barrier-free
• Campus seems like a fortress to outsiders
• Visitors expect clear wayfinding and convenient parking
• City would support student-oriented retail
• North Jonesboro neighborhoods have high crime rate
• West neighborhood designated for mixed use redevelopment
• Traffic on Stadium and Johnson will continue increase
• City considering potential eastern bypass
• Immediate projects
  — Sorority housing
  — Honors Hall (100 beds)
  — Expansion of Village Apartments
  — University and Arkansas Hall renovations
• Medium term
  — freshman hall
  — satellite dining hall
• Personal deliveries to campus a problem
• Athletic needs
  — Football, visitor locker room renovation, press box expansion, additional suites
  — Field house – football practice, tennis, track
  — Baseball – locker room, training room
  — Soccer – offices, training room, rest rooms, concessions
  — Lit fields

• Old track must be repaired or replaced

• Intramural field access for pedestrians is not convenient, won’t be used

• Need recreation facilities in campus core

• Neither Athletics nor Recreation interested in sharing facilities
• Crime
  – City Crime Impacting Campus

• CPTED
  – Great Start

• Lighting
  – Overall Good Illumination
  – Current Lamp is Problematic

• Emergency Preparedness
  – Multi-hazard Risk Assessment
  – Incorporate Requirements into Master Plan
Stakeholder Interview Feedback

Safety and Security

- **Police Facility**
  - Limited Ability to Continue Operations Through Disasters
  - Limited Ability to Accommodate Increases

- **Police Operations**
  - Sworn Officers
  - Support Personnel

- **Dispatch and ESS Monitoring**
  - Need for Integrated Systems
  - Requires New Space to Provide Support Through Disasters

- **Access Control**
  - Blackboard
  - Best
  - Alternative

- **Emergency Communications**
  - Fire Alarm
  - Emergency Call boxes
Space Needs Analysis
• Humanities Building must be completed
• College of Business has been needed
• Convocation Center needs practice gyms, suites, improvement
• Child care wants to double in size
• Museum wants new building at edge of campus
• Many building roofs are at the end of their useful lives
• Desire consistent and historical building character
• Campus has just begun efforts to reduce water and energy use
- Refine project goals and objectives
- Data collection to include inventory, course, and staffing files
- Review of student enrollment and growth assumptions
- Verify faculty and staff projections
- On campus work sessions

Analysis
- Classroom and laboratory utilization
- Space needs analysis at current and target enrollment levels
- Develop master plan space recommendations
# Space Needs Analysis

## Facility Inventory

<table>
<thead>
<tr>
<th>Space Category</th>
<th>Total ASF</th>
<th>Estimated ASF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classroom Space</td>
<td>18,749</td>
<td></td>
</tr>
<tr>
<td>Laboratory Space</td>
<td>28,807</td>
<td></td>
</tr>
<tr>
<td>Research Space</td>
<td>2,505</td>
<td></td>
</tr>
<tr>
<td>Office Space</td>
<td>51,734</td>
<td></td>
</tr>
<tr>
<td>Other Department Space</td>
<td>18,953</td>
<td></td>
</tr>
<tr>
<td>Library Space</td>
<td>34,708</td>
<td></td>
</tr>
<tr>
<td>Assembly &amp; Exhibit</td>
<td>33,796</td>
<td></td>
</tr>
<tr>
<td>Physical Plant</td>
<td>9,067</td>
<td></td>
</tr>
<tr>
<td>Athletics/PE/Rec</td>
<td>29,517</td>
<td></td>
</tr>
<tr>
<td>Student Center</td>
<td>10,655</td>
<td></td>
</tr>
<tr>
<td>Computer Facilities</td>
<td>2,434</td>
<td></td>
</tr>
<tr>
<td>Residence Life</td>
<td>148,146</td>
<td></td>
</tr>
<tr>
<td>Student Health Care</td>
<td>2,227</td>
<td></td>
</tr>
<tr>
<td>Child Care Center</td>
<td>2,752</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>394,050</strong></td>
<td></td>
</tr>
</tbody>
</table>

ASF = Assignable Square Feet

### Example

- **Residence Life**: 38%
- **Office Space**: 13%
- **Other Department Space**: 4%
- **Library Space**: 9%
- **Athletics/PE/Rec**: 7%
- **Physical Plant**: 2%
- **Assembly & Exhibit**: 8%
- **Student Center**: 3%
- **Student Health Care**: 1%
- **Computer Facilities**: 1%
- **Classroom Space**: 5%
- **Laboratory Space**: 7%
- **Research Space**: 1%
- **Child Care Center**: 1%
### Classroom Utilization Analysis by Capacity Summary

<table>
<thead>
<tr>
<th>Classroom Capacity Grouping</th>
<th>No. of Rooms</th>
<th>No. of Seats</th>
<th>Average Room Size</th>
<th>Average ASF per Station</th>
<th>Average Section Size</th>
<th>Weekly Seat Hours</th>
<th>Average Weekly Room Hours</th>
<th>Hours in Use Student Station Occupancy %</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 and Under</td>
<td>6</td>
<td>102</td>
<td>359</td>
<td>21</td>
<td>14</td>
<td>8.1</td>
<td>10</td>
<td>79%</td>
</tr>
<tr>
<td>21 - 25</td>
<td>10</td>
<td>235</td>
<td>552</td>
<td>23</td>
<td>18</td>
<td>17.8</td>
<td>24</td>
<td>75%</td>
</tr>
<tr>
<td>26 - 30</td>
<td>21</td>
<td>600</td>
<td>607</td>
<td>21</td>
<td>19</td>
<td>20.9</td>
<td>30</td>
<td>70%</td>
</tr>
<tr>
<td>31 - 35</td>
<td>27</td>
<td>904</td>
<td>622</td>
<td>19</td>
<td>21</td>
<td>21.8</td>
<td>33</td>
<td>66%</td>
</tr>
<tr>
<td>36 - 40</td>
<td>40</td>
<td>1,552</td>
<td>679</td>
<td>17</td>
<td>28</td>
<td>25.1</td>
<td>34</td>
<td>73%</td>
</tr>
<tr>
<td>41 - 45</td>
<td>17</td>
<td>727</td>
<td>626</td>
<td>15</td>
<td>28</td>
<td>23.6</td>
<td>35</td>
<td>68%</td>
</tr>
<tr>
<td>51 - 60</td>
<td>5</td>
<td>270</td>
<td>967</td>
<td>18</td>
<td>36</td>
<td>22.6</td>
<td>34</td>
<td>67%</td>
</tr>
<tr>
<td>61 - 75</td>
<td>4</td>
<td>261</td>
<td>1,107</td>
<td>17</td>
<td>37</td>
<td>16.2</td>
<td>27</td>
<td>59%</td>
</tr>
<tr>
<td>76 - 100</td>
<td>4</td>
<td>365</td>
<td>1,396</td>
<td>15</td>
<td>63</td>
<td>21.7</td>
<td>32</td>
<td>69%</td>
</tr>
<tr>
<td>101 - 150</td>
<td>6</td>
<td>730</td>
<td>1,932</td>
<td>16</td>
<td>60</td>
<td>13.3</td>
<td>27</td>
<td>49%</td>
</tr>
</tbody>
</table>

Total No. of Rooms = 140

**AVERAGE**

- 725
- 18
- 27
- 21.1
- 31
- 69%

### Weekly Room Hours by Capacity:

![Bar chart showing weekly room hours by capacity]

### Student Station Occupancy by Capacity:

![Bar chart showing student station occupancy by capacity]

### Weekly Seat Hours by Capacity:

![Bar chart showing weekly seat hours by capacity]
### Space Needs Analysis

#### Classroom Use by Day and Hour

(Darker colors indicate a large percentage of rooms are scheduled.)

<table>
<thead>
<tr>
<th>Time of Day</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
<th>Average*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Rooms in Use</td>
<td>% In Use</td>
<td>Rooms in Use</td>
<td>% In Use</td>
<td>Rooms in Use</td>
<td>% In Use</td>
</tr>
<tr>
<td>8:00 AM</td>
<td>43</td>
<td>31%</td>
<td>45</td>
<td>32%</td>
<td>41</td>
<td>29%</td>
</tr>
<tr>
<td>9:00 AM</td>
<td>105</td>
<td>75%</td>
<td>44</td>
<td>31%</td>
<td>103</td>
<td>74%</td>
</tr>
<tr>
<td>9:25 AM</td>
<td>105</td>
<td>75%</td>
<td>111</td>
<td>79%</td>
<td>103</td>
<td>74%</td>
</tr>
<tr>
<td>10:00 AM</td>
<td>113</td>
<td>81%</td>
<td>111</td>
<td>79%</td>
<td>113</td>
<td>81%</td>
</tr>
<tr>
<td>10:50 AM</td>
<td>2</td>
<td>1%</td>
<td>116</td>
<td>83%</td>
<td>3</td>
<td>2%</td>
</tr>
<tr>
<td>11:00 AM</td>
<td>117</td>
<td>84%</td>
<td>116</td>
<td>83%</td>
<td>117</td>
<td>84%</td>
</tr>
<tr>
<td>12:00 PM</td>
<td>96</td>
<td>68%</td>
<td>113</td>
<td>61%</td>
<td>98</td>
<td>70%</td>
</tr>
<tr>
<td>12:15 PM</td>
<td>98</td>
<td>70%</td>
<td>105</td>
<td>75%</td>
<td>100</td>
<td>71%</td>
</tr>
<tr>
<td>1:00 PM</td>
<td>97</td>
<td>69%</td>
<td>105</td>
<td>75%</td>
<td>95</td>
<td>68%</td>
</tr>
<tr>
<td>1:40 PM</td>
<td>95</td>
<td>68%</td>
<td>89</td>
<td>64%</td>
<td>93</td>
<td>66%</td>
</tr>
<tr>
<td>2:00 PM</td>
<td>104</td>
<td>74%</td>
<td>94</td>
<td>67%</td>
<td>105</td>
<td>75%</td>
</tr>
<tr>
<td>3:05 PM</td>
<td>76</td>
<td>54%</td>
<td>44</td>
<td>31%</td>
<td>75</td>
<td>54%</td>
</tr>
<tr>
<td>3:30 PM</td>
<td>48</td>
<td>34%</td>
<td>43</td>
<td>31%</td>
<td>48</td>
<td>33%</td>
</tr>
<tr>
<td>4:00 PM</td>
<td>90</td>
<td>64%</td>
<td>76</td>
<td>54%</td>
<td>93</td>
<td>66%</td>
</tr>
<tr>
<td>5:30 PM</td>
<td>57</td>
<td>41%</td>
<td>55</td>
<td>39%</td>
<td>59</td>
<td>42%</td>
</tr>
<tr>
<td>6:00 PM</td>
<td>53</td>
<td>38%</td>
<td>54</td>
<td>39%</td>
<td>58</td>
<td>41%</td>
</tr>
<tr>
<td>7:00 PM</td>
<td>28</td>
<td>20%</td>
<td>32</td>
<td>23%</td>
<td>25</td>
<td>18%</td>
</tr>
</tbody>
</table>

Total classrooms = 140

*Based upon therefore the a

#### Percent of Classrooms In Use

### Example
Space Needs Analysis

Space Needs Analysis by Space Category

- Space needs analysis at base and target levels
  - Comparison of needs to existing facilities
  - Program realignment
  - Facility reuse issues
  - Development of physical response to findings

### Campuswide Space Needs Analysis

<table>
<thead>
<tr>
<th>Space Category</th>
<th>Base Year</th>
<th>Target Year</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Student Headcount = 11,532</td>
<td>Student Headcount = 12,890</td>
</tr>
<tr>
<td></td>
<td>Staff Headcount = 2,089</td>
<td>Staff Headcount = 2,237</td>
</tr>
<tr>
<td><strong>Existing ASF</strong></td>
<td><strong>Guideline ASF</strong></td>
<td><strong>Surplus/Deficit</strong></td>
</tr>
<tr>
<td><strong>Existing ASF</strong></td>
<td><strong>Guideline ASF</strong></td>
<td><strong>Surplus/Deficit</strong></td>
</tr>
<tr>
<td><strong>Academic Space</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Classroom &amp; Service</td>
<td>104,228</td>
<td>172,697</td>
</tr>
<tr>
<td>Teaching Laboratories &amp; Service</td>
<td>99,115</td>
<td>123,158</td>
</tr>
<tr>
<td>Open Laboratories &amp; Service</td>
<td>34,079</td>
<td>40,822</td>
</tr>
<tr>
<td>Research Laboratories &amp; Service</td>
<td>24,200</td>
<td>46,138</td>
</tr>
<tr>
<td>Academic Offices &amp; Service</td>
<td>164,439</td>
<td>188,785</td>
</tr>
<tr>
<td>Other Academic Department Space</td>
<td>15,127</td>
<td>20,411</td>
</tr>
<tr>
<td><strong>Total Academic Space Subtotal</strong></td>
<td>441,188</td>
<td>692,011</td>
</tr>
<tr>
<td><strong>Academic Support Space</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Administrative Offices &amp; Service</td>
<td>144,968</td>
<td>151,775</td>
</tr>
<tr>
<td>Library</td>
<td>104,441</td>
<td>124,437</td>
</tr>
<tr>
<td>Physical Education &amp; Recreation</td>
<td>50,045</td>
<td>66,025</td>
</tr>
<tr>
<td>Athletics</td>
<td>76,524</td>
<td>80,981</td>
</tr>
<tr>
<td>Assembly &amp; Exhibit</td>
<td>58,150</td>
<td>77,944</td>
</tr>
<tr>
<td>Physical Plant</td>
<td>7,966</td>
<td>20,574</td>
</tr>
<tr>
<td>Other Administrative Department Space</td>
<td>36,586</td>
<td>40,819</td>
</tr>
<tr>
<td><strong>Total Academic Support Space Subtotal</strong></td>
<td>478,660</td>
<td>562,555</td>
</tr>
<tr>
<td><strong>Auxiliary Space</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Student Center</td>
<td>61,500</td>
<td>91,845</td>
</tr>
<tr>
<td>Residence Life</td>
<td>631,479</td>
<td>646,000</td>
</tr>
<tr>
<td>Health Care Facilities</td>
<td>1,901</td>
<td>2,551</td>
</tr>
<tr>
<td>Early Childhood Education Center</td>
<td>5,093</td>
<td>5,093</td>
</tr>
<tr>
<td><strong>Total Auxiliary Space Subtotal</strong></td>
<td>699,973</td>
<td>745,489</td>
</tr>
<tr>
<td><strong>CAMPUS TOTAL</strong></td>
<td>1,619,821</td>
<td>1,900,055</td>
</tr>
</tbody>
</table>

- ASF = Assignable Square Feet

**Example**
Next Steps
Next Steps

• Site, Safety, and Space Analyses; Framework Plan
  — Monday, December 5 / Tuesday, December 6
  — Executive Steering Committee
  — Campus and Community Advisory Groups

• Campus Master Plan Alternatives
  — Late January/Early February 2012

• Draft Preliminary Master Plan
  — March 2012