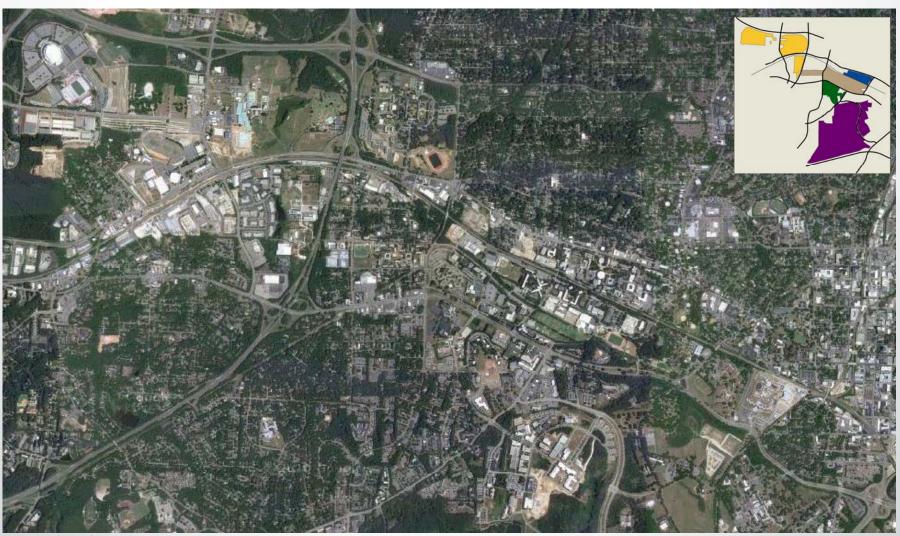
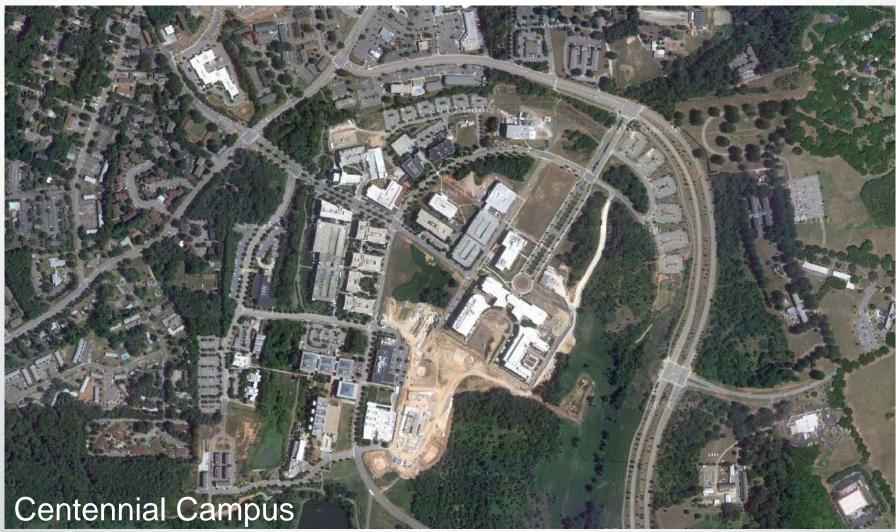


View of Campus



www.google.com/maps

View of Campus



www.google.com/maps

NC STATE UNIVERSITY

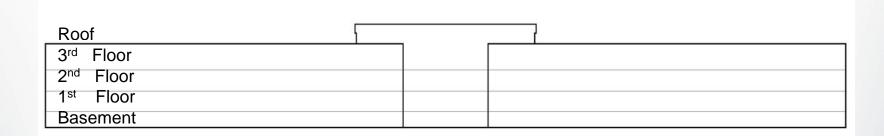
Building Space Data



Administrative Leadership Meeting

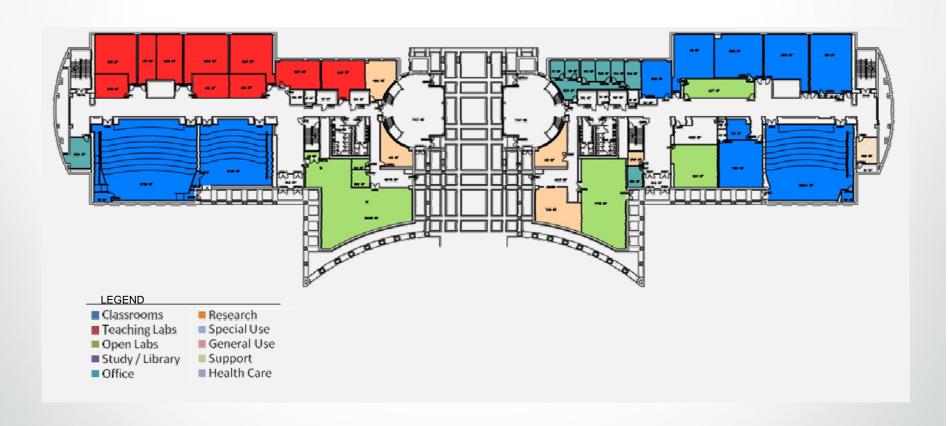
NC STATE UNIVERSITY

Building Space Data



Administrative Leadership Meeting

Building Space Data





Drivers to Improve Space Utilization

- Constrained Resources
- Enrollment Growth / Graduate Program Growth
- Research Growth (Including Interdisciplinary Activities)
- Increased Accountability
- Sustainability Initiatives

Space Planning Process

- University Space Committee
 - Guiding Principles
 - Space Request
 - Local Space Committees
- Space Analysis Updated
 - Every 3 to 4 Years
 - Collaborative Effort
 - Interactive Process
 - Space Standards



Photograph: E. Funkhouser

Capital Project Plan

- Rolling 6-year Capital Plan
- Capital Projects List informed by College Space Analysis
- Current space deficits, future growth, space condition and university initiatives considered
- Facility Condition Assessment Program
- Appropriated vs Auxiliary Space

Space Standards



Photograph: C. Williford

- UNC System Standards
 - NC State Specific
- Classifying Space
 - Occupant
 - Higher Ed Coding
- Data as a Tool

"Facilities are built and maintained to create a unified community that is comfortable and aesthetically pleasing and nurtures a fertile exchange of ideas across academic and administrative disciplines."

A Campus of Neighborhoods and Paths: NC State University Physical Master Plan

Myth: It's MY space and I must protect it

- Cultural attitude toward space
- Colleges/Units are stewards of university space
- The most sustainable building is the one not built



Photograph: www. eyefetch.com/image.aspx?ID=330175

Myth: Occupancy = Fully Utilized Space



Photograph: L. Moore

Often Office and Research space is underutilized due to condition or remote location.

Myth: Utilized = Fully Occupied Space



Photograph: L. Moore

Space may be occupied and still underutilized.

Myth: Space is FREE



The cost of space is not just construction. It also includes ongoing operations and maintenance.



Annual Cost of Space is Significant

OFFICE & CLASSROOM MAINTENANCE & OPERATING COST \$15 / ASF

Typical Office Annual Cost	\$2,100
Mid-Size Classroom Annual Cost	\$9,750

RESEARCH SPACE MAINTENANCE & OPERATING COST \$18 / ASF

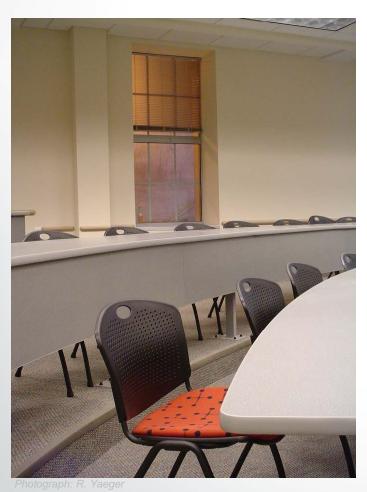
Mid-Size Research Lab

\$16,200

(Includes utilities and maintenance cost; Excludes deferred maintenance cost)

Myth:

There are not enough classrooms



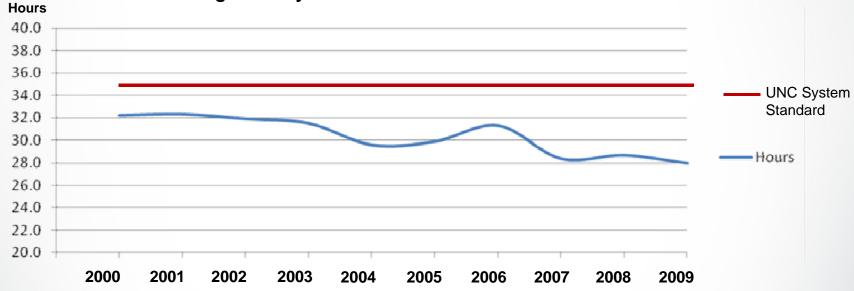
 Not meeting the UNC-System standard of 35 hours per week

Factors:

- Scheduling
- Classroom Size
- Technology

110 Classroom Utilization

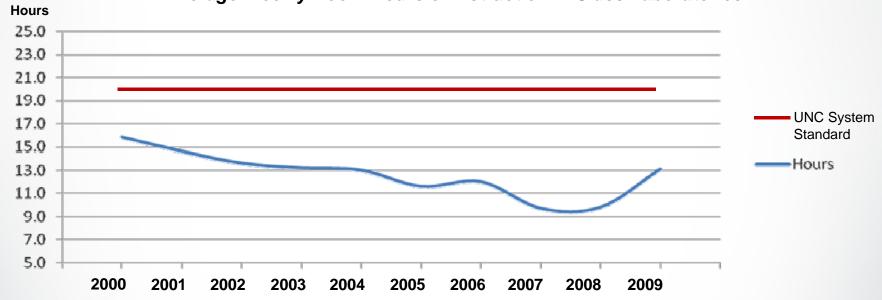
Average Weekly Room Hours of Instruction in Classrooms





210 Teaching Lab Utilization

Average Weekly Room Hours of Instruction in Class Laboratories





Photograph: L. Moore

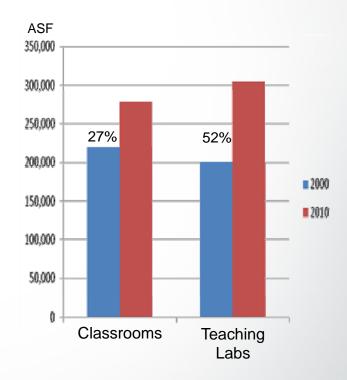


Classroom and Teaching Lab Details

TEACHING SPACE:

2000 = 15 ASF per student

2010 = 18 ASF per student



Administrative Leadership Meeting

Student Study Space

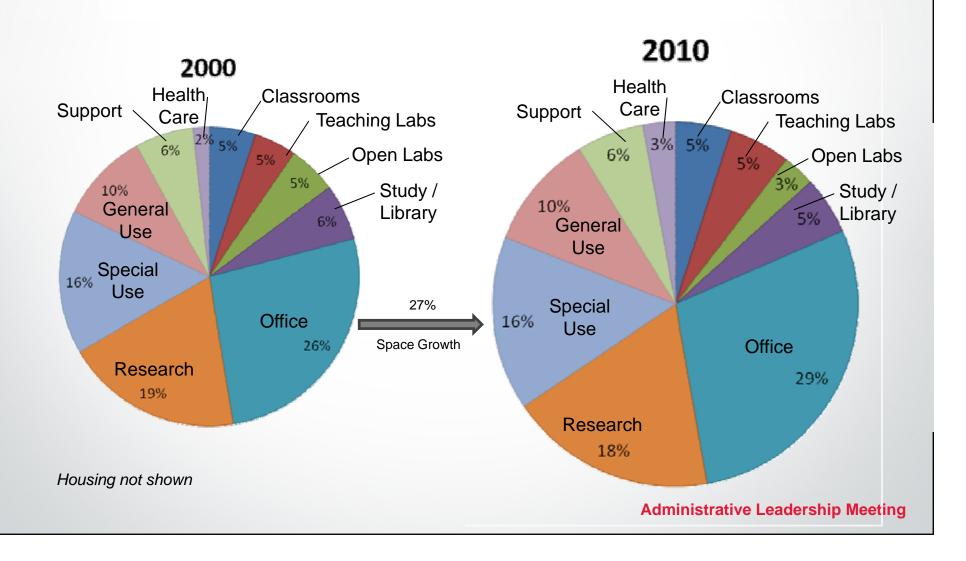
Standard: Study seats per student headcount = 20%

- In 2010 = 6.9%
- With Opening of Hunt Library = 11.8%
- With Modification in DH Hill 13.3%

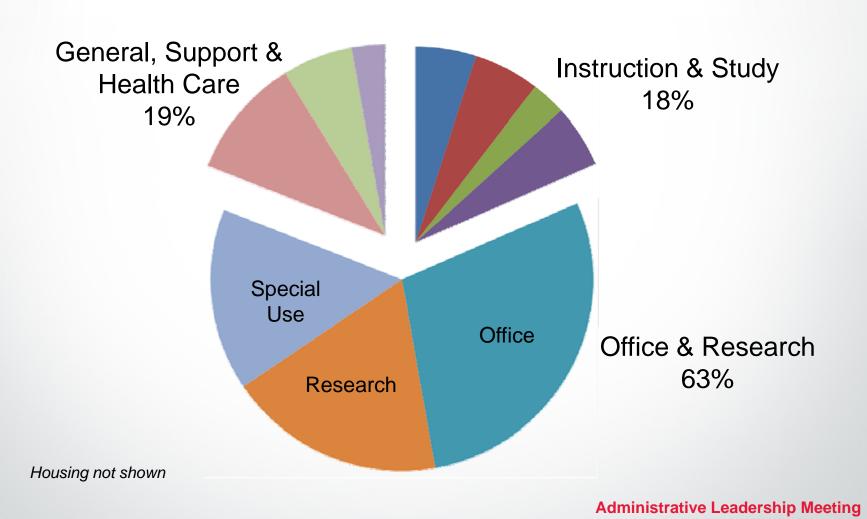


NC STATE UNIVERSITY

Space by Type



Space by Type



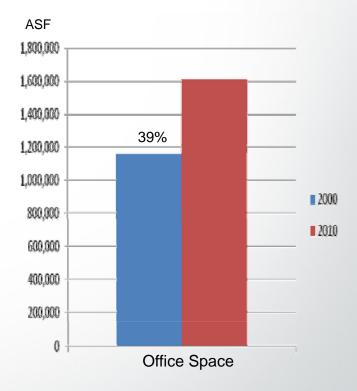
Office Space

SF of Office Space

2000 = 168 ASF per Employee

2010 = 201 ASF per Employee

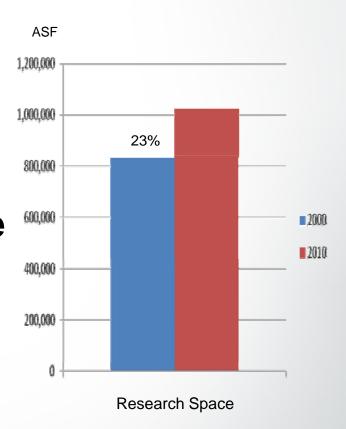
Office Space Need is Met
 Currently at 23% above standard



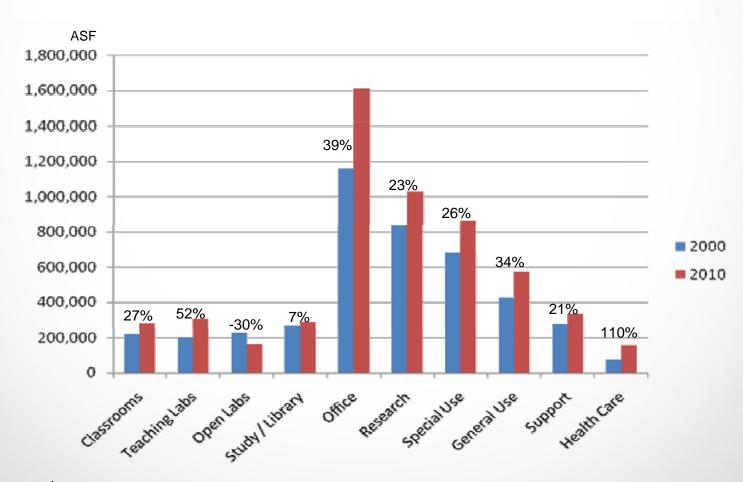
Administrative Leadership Meeting

Research Space

- 10% Growth in Research Faculty & Support Staff
- 23% Growth in Research Space
- 132,625 ASF of Research Space used for Service Centers
- Service Center Space impacts
 F&A Funding



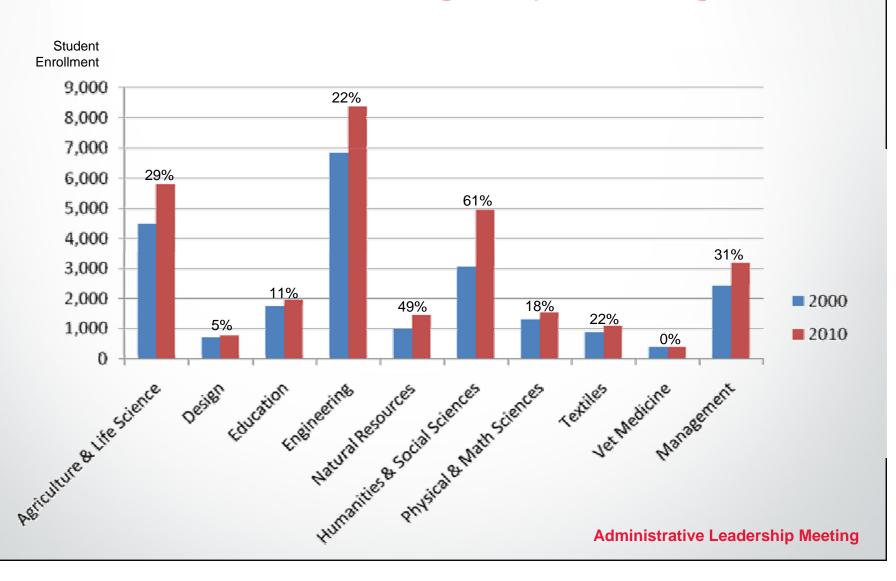
Change in Space by Type



Housing not shown

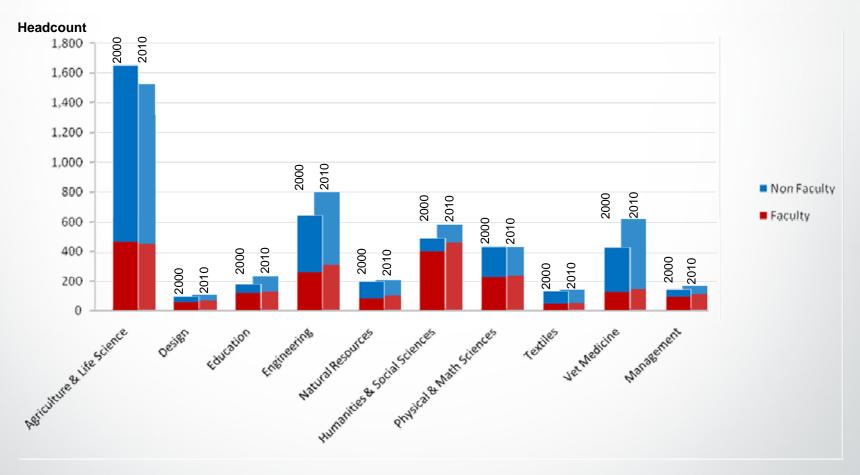
Administrative Leadership Meeting

Enrollment Change by College

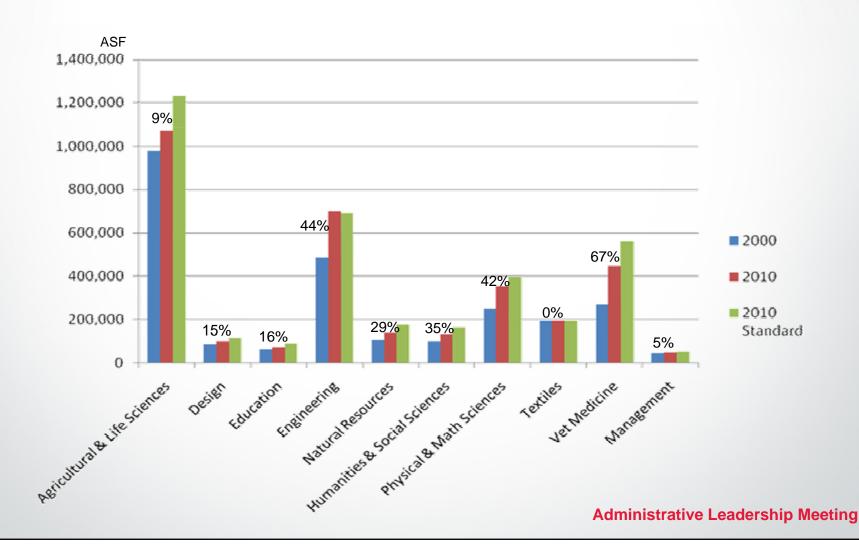


NC STATE UNIVERSITY

Change in Employees by College



Change in Assignable Space by College



Factors to Improve Space Utilization

- Actionable Data
- Enforceable Space Standards
- Redeploying Space
- Incentives



Types of Incentives

- Award new space to units that are below standard
- Improve space to encourage sharing or shedding
- Penalize units for not meeting utilization targets
- Account for actual space costs at program level

Future Efforts

- Initiate College Space Analysis
- Re-alignment & Strategic Plans influence Space Allocations
- Re-evaluate Research Space Standard
- Connect Grant & Start-Up Packages with Space
- Decrease Lease Space
- Review Rental Rate Structure
- Repurpose Space

NC STATE UNIVERSITY



Photograph: L. Moore