

How can geodesign improve traditional planning processes for community colleges?

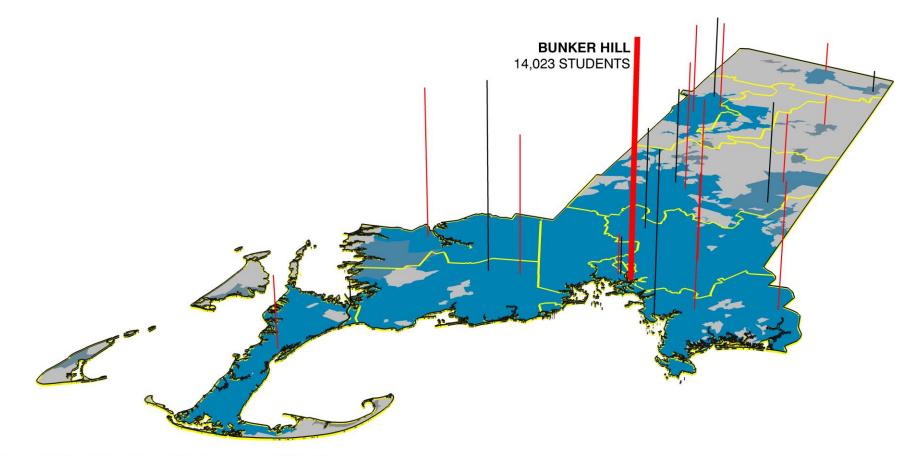








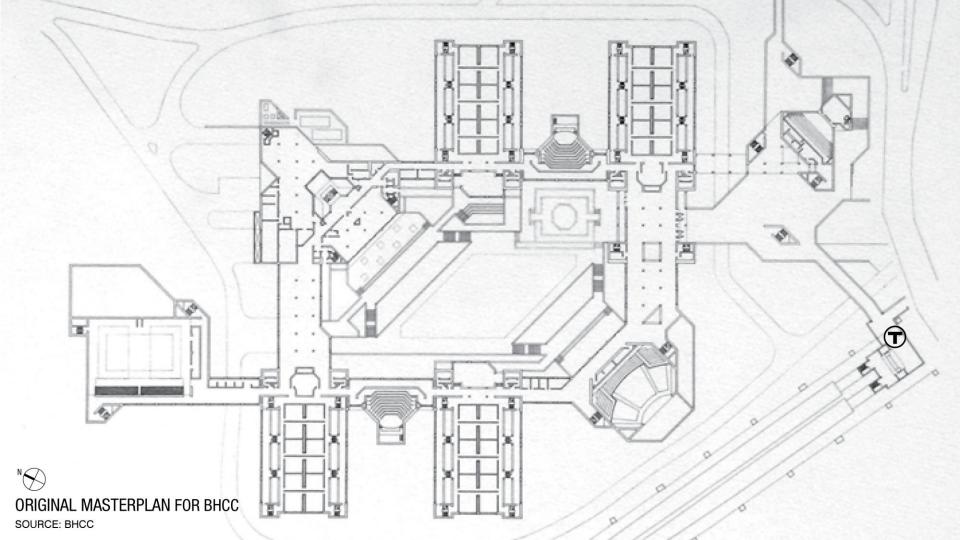


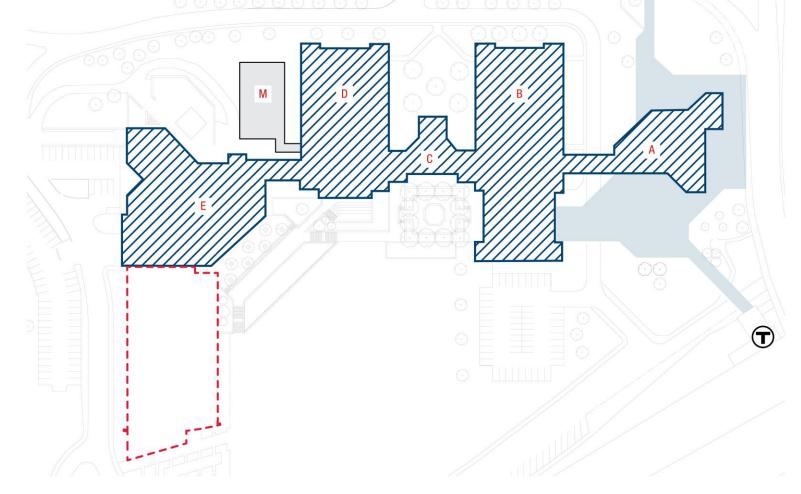


### STATE-WIDE TWO-YEAR COLLEGES BY ENROLLMENT

URBAN AREAS
 STATE BOUNDARY
 COUNTY BOUNDARY
 STATE COLLEGES

SOURCES: NATIONAL CENTER FOR EDUCATION STATISTICS AND MASSGIS

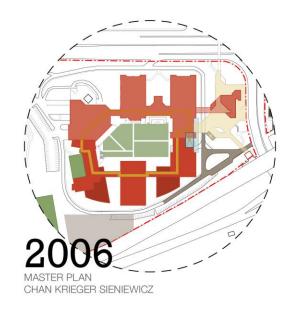




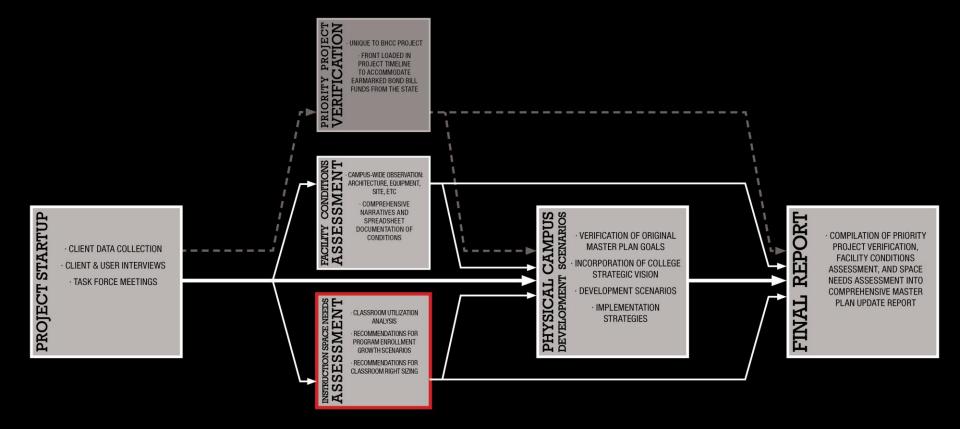


SOURCE: BHCC





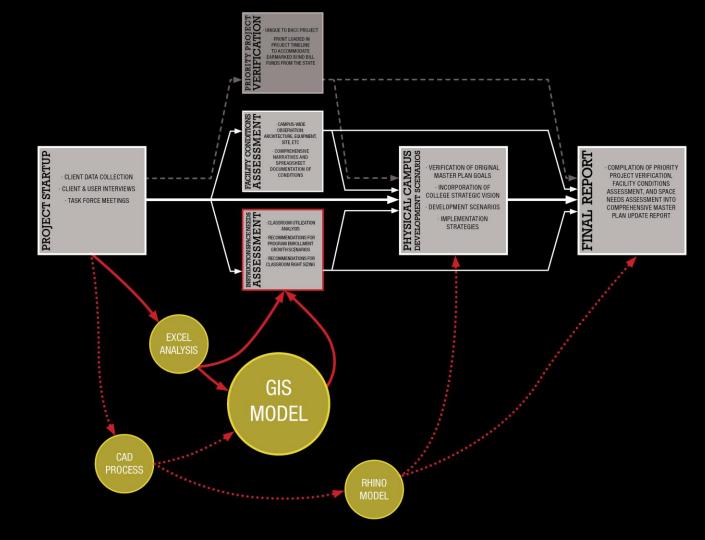




BHE0502 ST1 Space Utilization Analysis Course Enrollment The following figure graphs the number of distinct courses it each of eleven course enrollment ranges (e.g., 1-9 students, 10-19 students, 20-29 students, etc.), paralleling the ranges in room Figure 4.
Number of Distinct Courses by Course Enrollment (n=210) 0 0 0 0 0 0 0 0 Course Enrollment Ranges Across the 210 courses under study, course enrollment ranges from 2 students to 26 students. . The mean enrollment is 15 students, while the most 80% of the courses have an enrollment of 19 or fewer, in contrast to the room capacities, where 10% of the rooms seat 19 or fewer. 5.0 - 4

Hermanian Communication and the same BHE0502 ST1 Space Utilization Analysis Figure 2: Existing Classrooms Compared to Eight-Sized Classrooms and Current Need by Number of Seats # Existing Room Copacities # Right Sized Classrooms | Clarrent Need ATQCC, there is on overage of 22.0 astricest. On an instituted basis, one room may be too light, suggesting that the excess seats need to be decorated, or enother soom may have the physical supportly to accommodate additional septs. This hypothetical exercise would shift the distribution of classroom Areas requiring additional review are those spaces with spatial review seets than especial such as ACT1 of 61.8 and training and spatial social structures such as the spaces of a possible miscoding of the spaces or income It is evident that his right-daing recommendation cannot be instituted in location, but has to take into consideration current. 6.0 / 4 September 2006 Necommendations and Conclusions

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Introduction in Southerns
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Anatomy of the Head & Nack
Coal Histology & Stelly young September 2006 Seneral-Purpose Classifolina Page 2 of 9



1. to better understand how the campus functions

2. to discover patterns and trends over time

3. to communicate more effectively with the college

CIRCULATION

FACILITIES

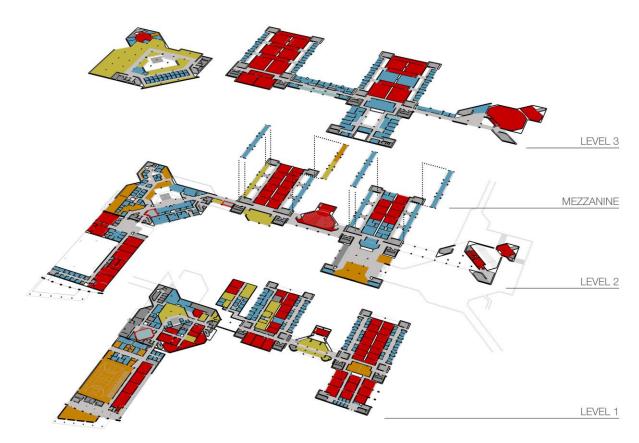
STUDENT SERVICES

CONFERENCE/

INSTRUCTION



LEVEL 4



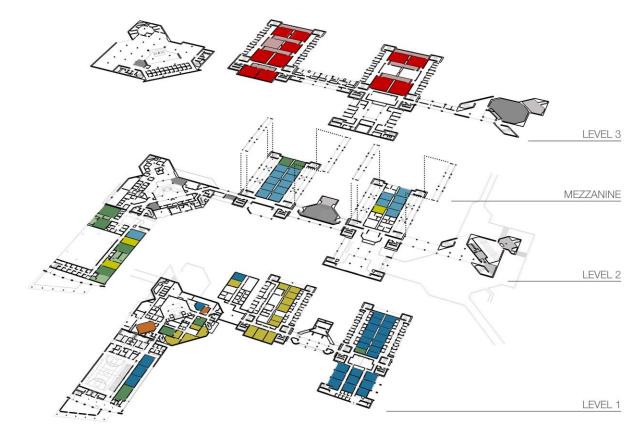
SPECIALIZED CLASSROOM SPECIALIZED CLASSROOM PREP SPACE

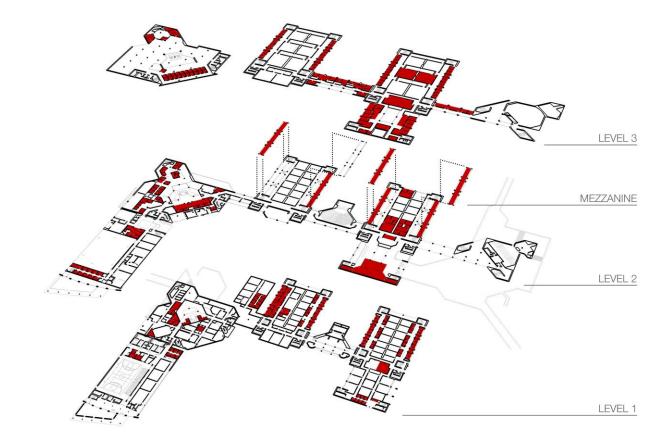
GENERAL CLASSROOMS

COMPUTER LABS

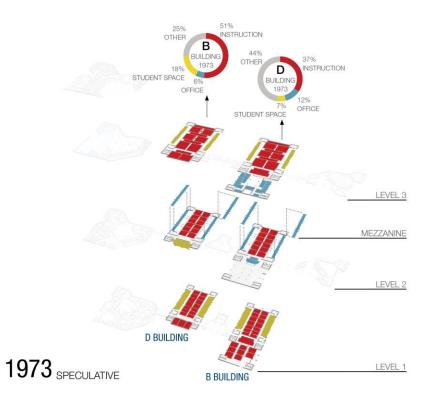


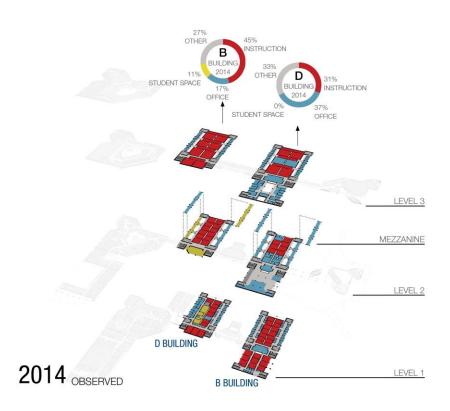
LEVEL 4



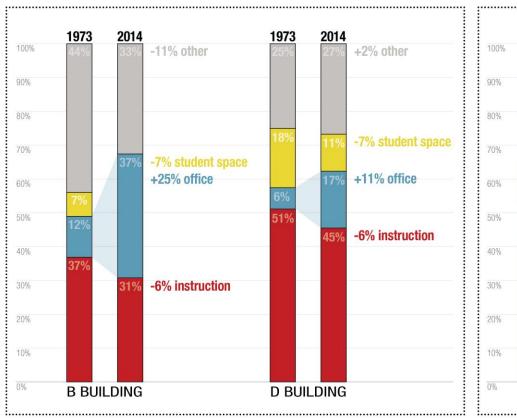


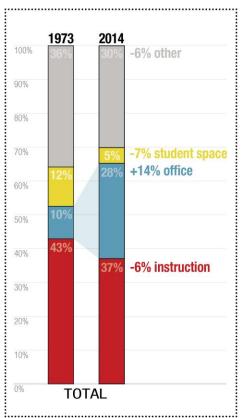


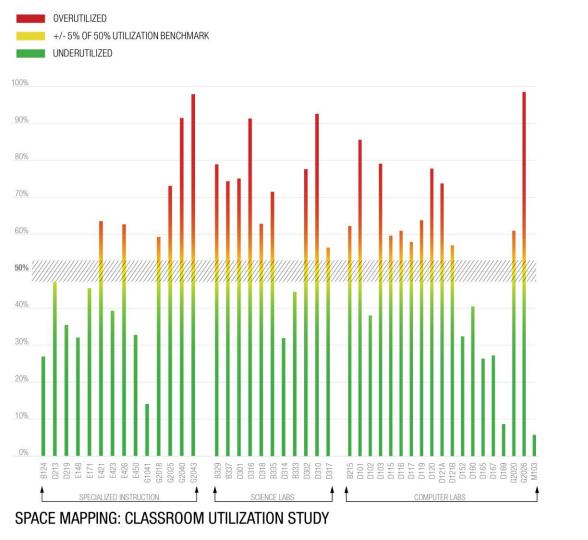












#### SPECIALIZED CLASSROOM ROOM UTILIZATION

The specialized classroom room utilization benchmark for similar college campuses nationwide is 50%. BHCC's Charlestown Campus averages 52% utilization.



#### SPECIALIZED CLASSROOM SEAT OCCUPANCY

The specialized classroom seat occupancy benchmark for 50% similar college campuses nationwide is 80%. BHCC's Charlestown Campus averages 82% utilization.

#### SCIENCE LAB ROOM UTILIZATION

The science lab room utilization benchmark for similar college campuses nationwide is 50%. BHCC's Charlestown Campus averages 69% utilization.



#### SCIENCE LAB SEAT OCCUPANCY

The science lab seat occupancy benchmark for similar college campuses nationwide is 80%. BHCC's Charlestown Campus averages 74% utilization.

74%

## COMPUTER LAB ROOM UTILIZATION

The computer lab room utilization benchmark for similar college campuses nationwide is 50%. BHCC's Charlestown Campus averages 69% utilization.

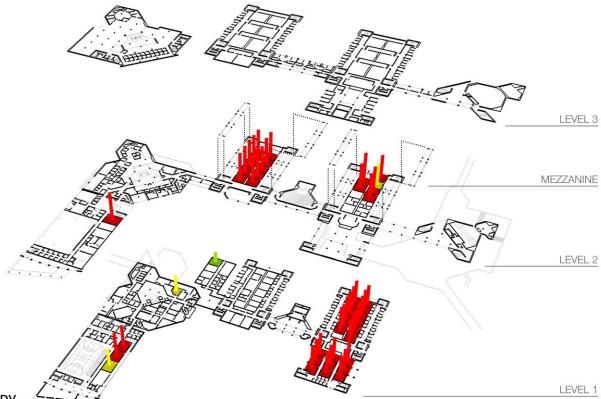


#### COMPUTER LAB SEAT OCCUPANCY

The computer lab seat occupancy benchmark for similar college campuses nationwide is 80%. BHCC's Charlestown Campus averages 74% utilization.

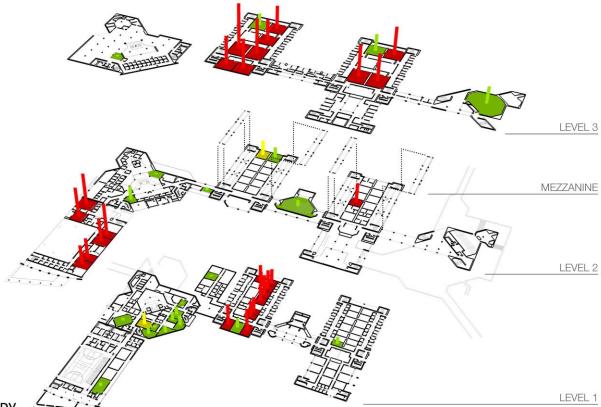


LEVEL 4



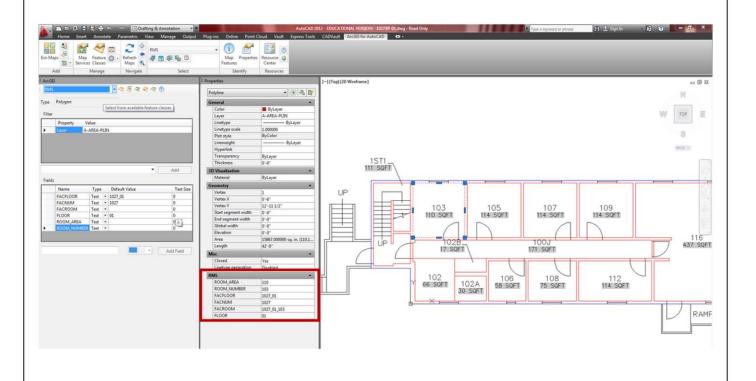
SPACE MAPPING: CLASSROOM UTILIZATION STUDY

LEVEL 4

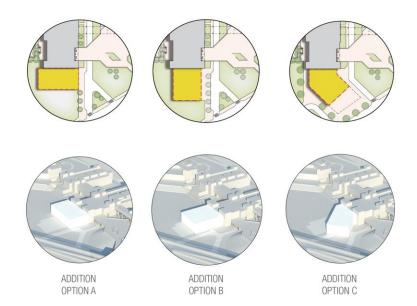


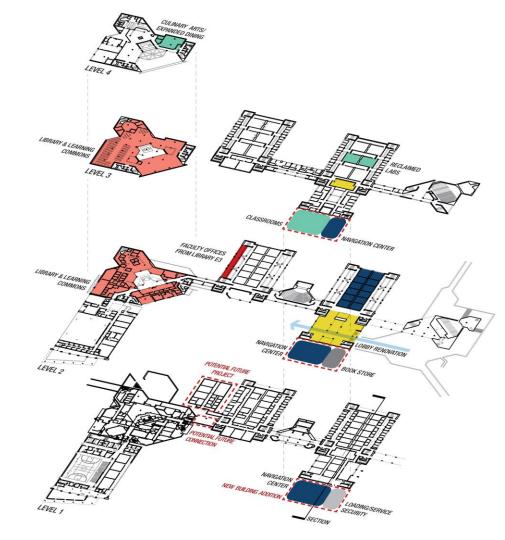
SPACE MAPPING: CLASSROOM UTILIZATION STUDY

# Drawing Prep - Feature classes in CAD









- Between 66% and 80% of community college students drop out before graduation.

- Half of all community-college students arrive unprepared for college work.

- The ratio of guidance counselors to students is too low.

- A quarter of college students nationwide have dependent children, and even more

students at community colleges do. But less than half of community colleges now have any day-care facilities.