



# Campus Comprehensive Plan

## Phase 1 | Interim Analysis Findings

July 11, 2024



WILLIAM & MARY

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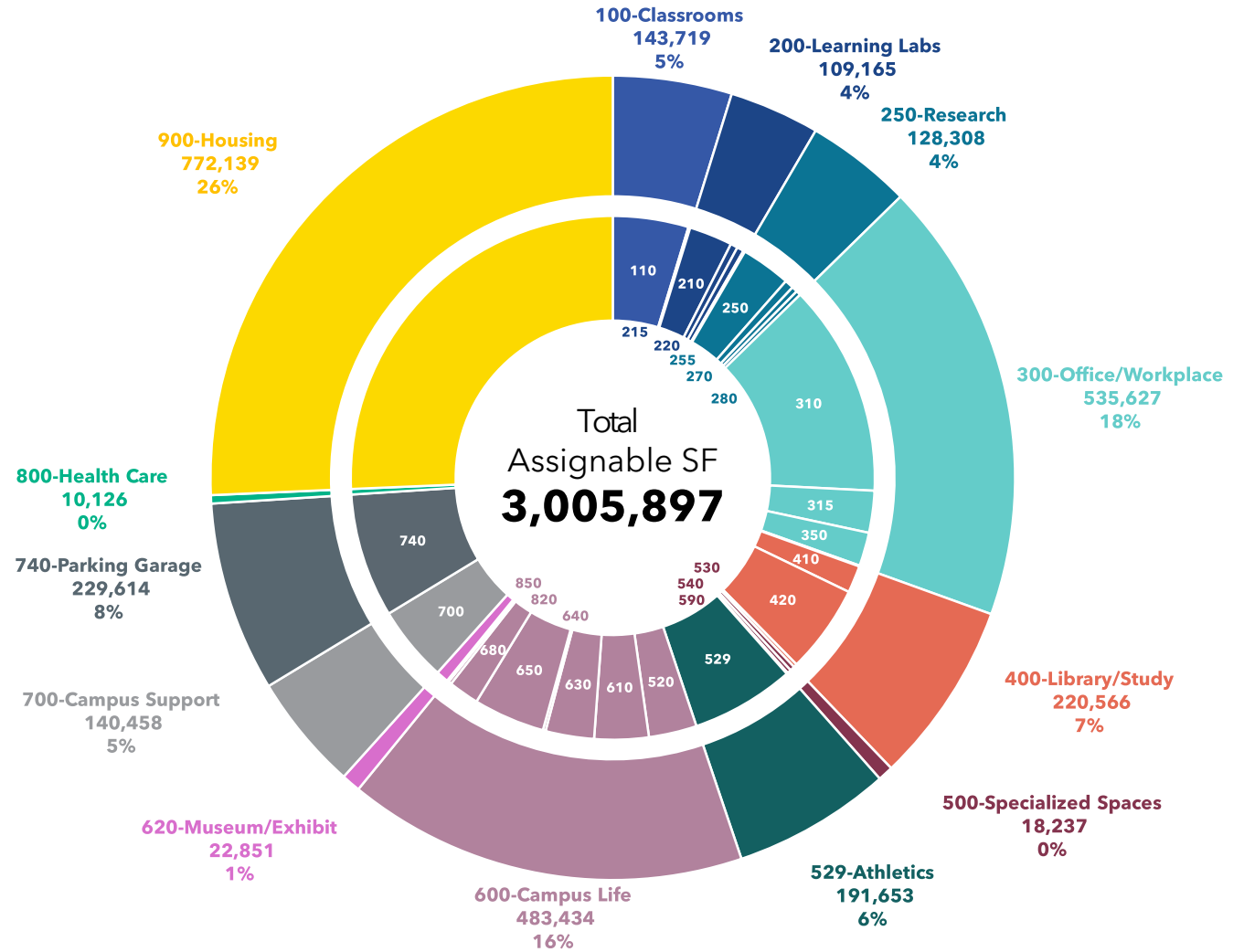
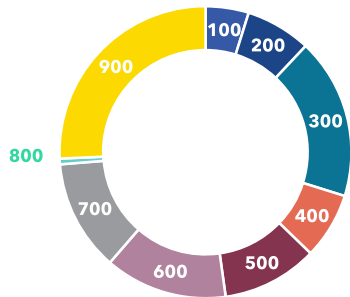
# Learning Space Analysis



# Space Type Overview

- Classroom space accounts for only five percent of the total assignable square footage on campus.

By Original Super FICM

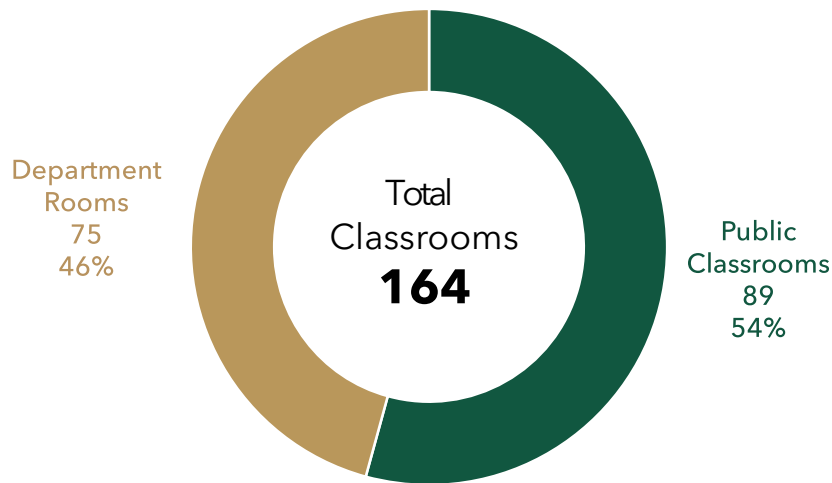


Sources: William & Mary course schedule data 2023-2024, William & Mary Facilities data, Sasaki site visit.

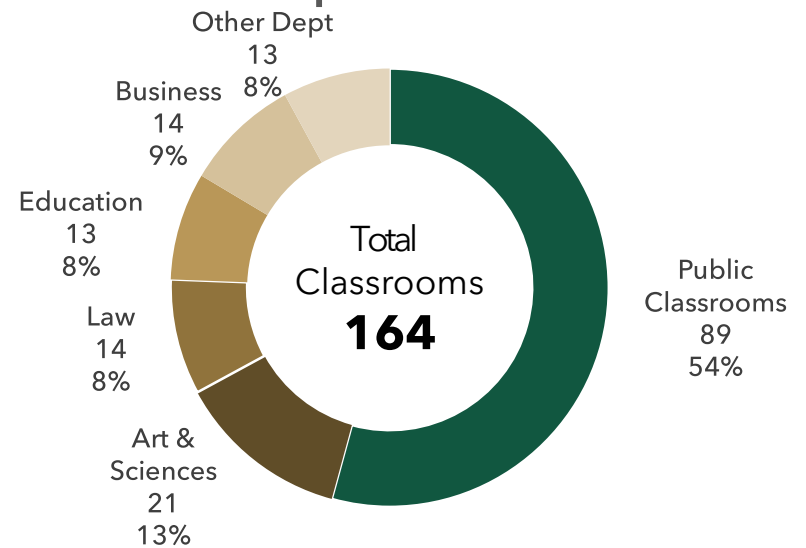
# Classroom Assignment

- By definition, a “classroom” is general learning space, not specialized. Consider why nearly half are departmentally controlled.

Public Classrooms vs. Dept Classrooms



Public Classrooms vs. Classrooms by Departments



Sources: William & Mary course schedule data 2023-2024, William & Mary Facilities data, Sasaki site visit.

# Classrooms Today



Tucker 325



ISC 1127



Boswell 102



Tucker 222



Chancellors 134



PBK 115



James Blair 229



Boswell 020

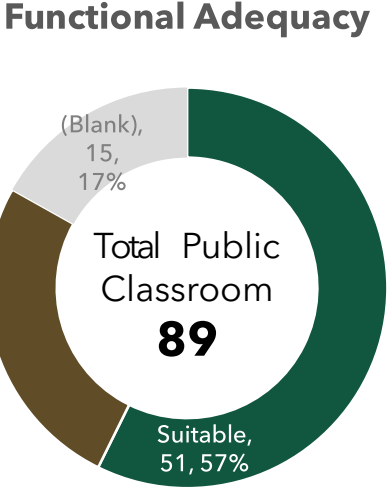
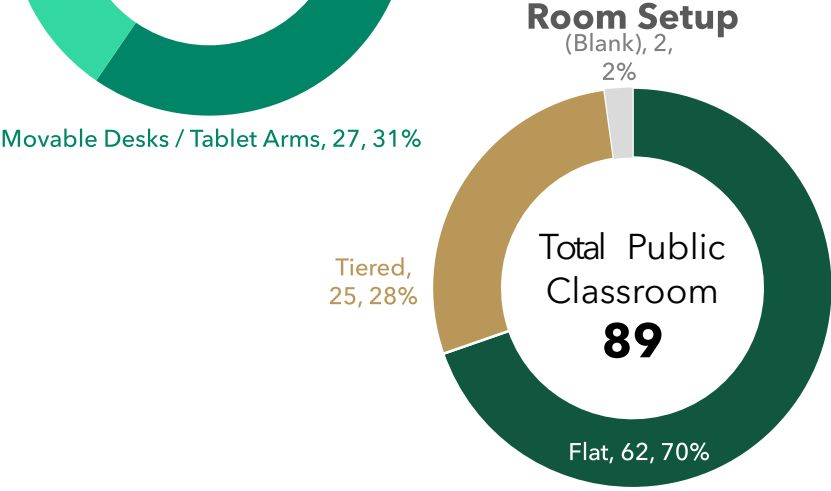
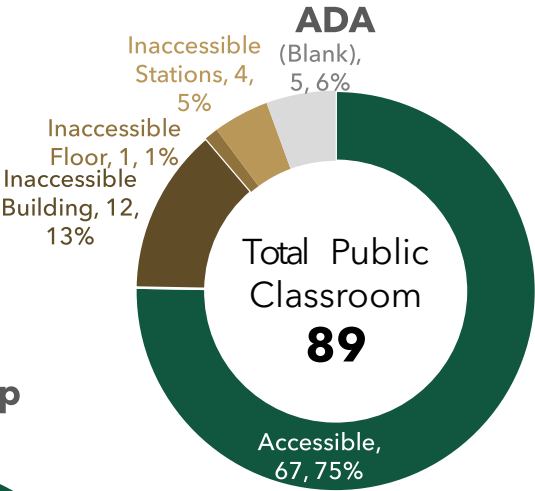
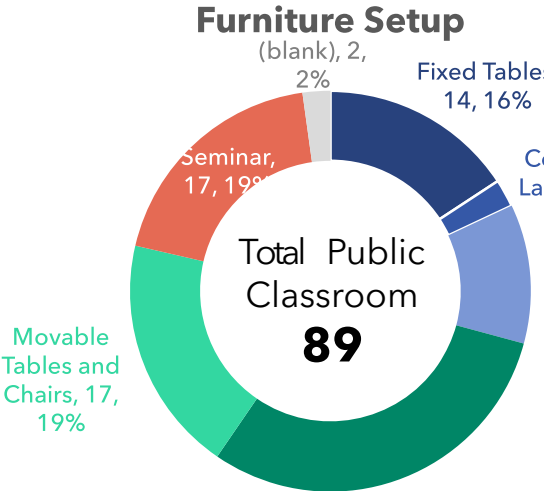
Sources: Sasaki site visits.

# Thinking Ahead

- Consider de-densification
- Renovations should allow for maximum flexibility
- The implementation of consistent technology helps with flexibility



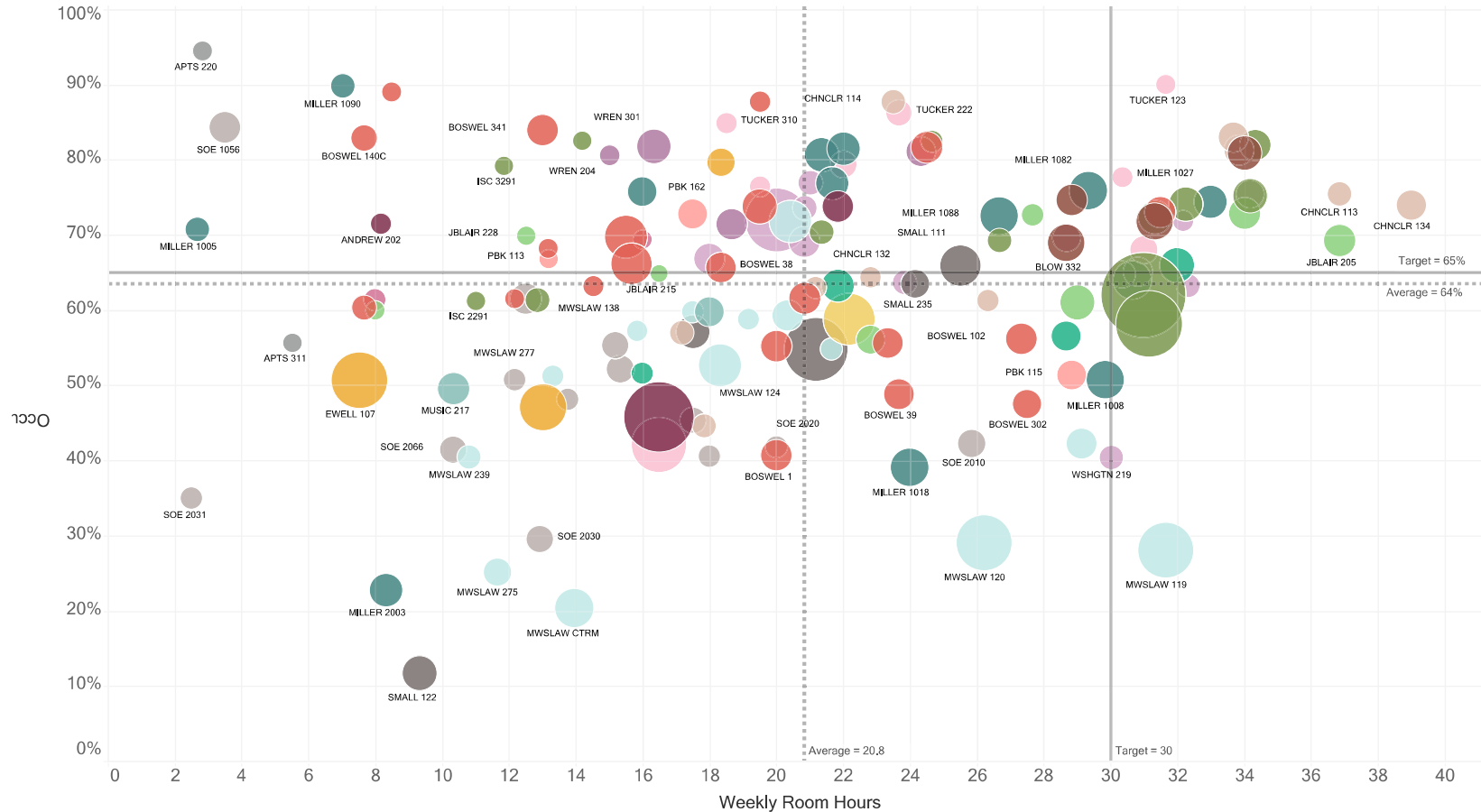
# 1. Public Classroom Characteristics



Sources: William & Mary course schedule data 2023-2024, William & Mary Facilities data, Sasaki site visit.

# Classroom Weekly Room Hours & Occupancy

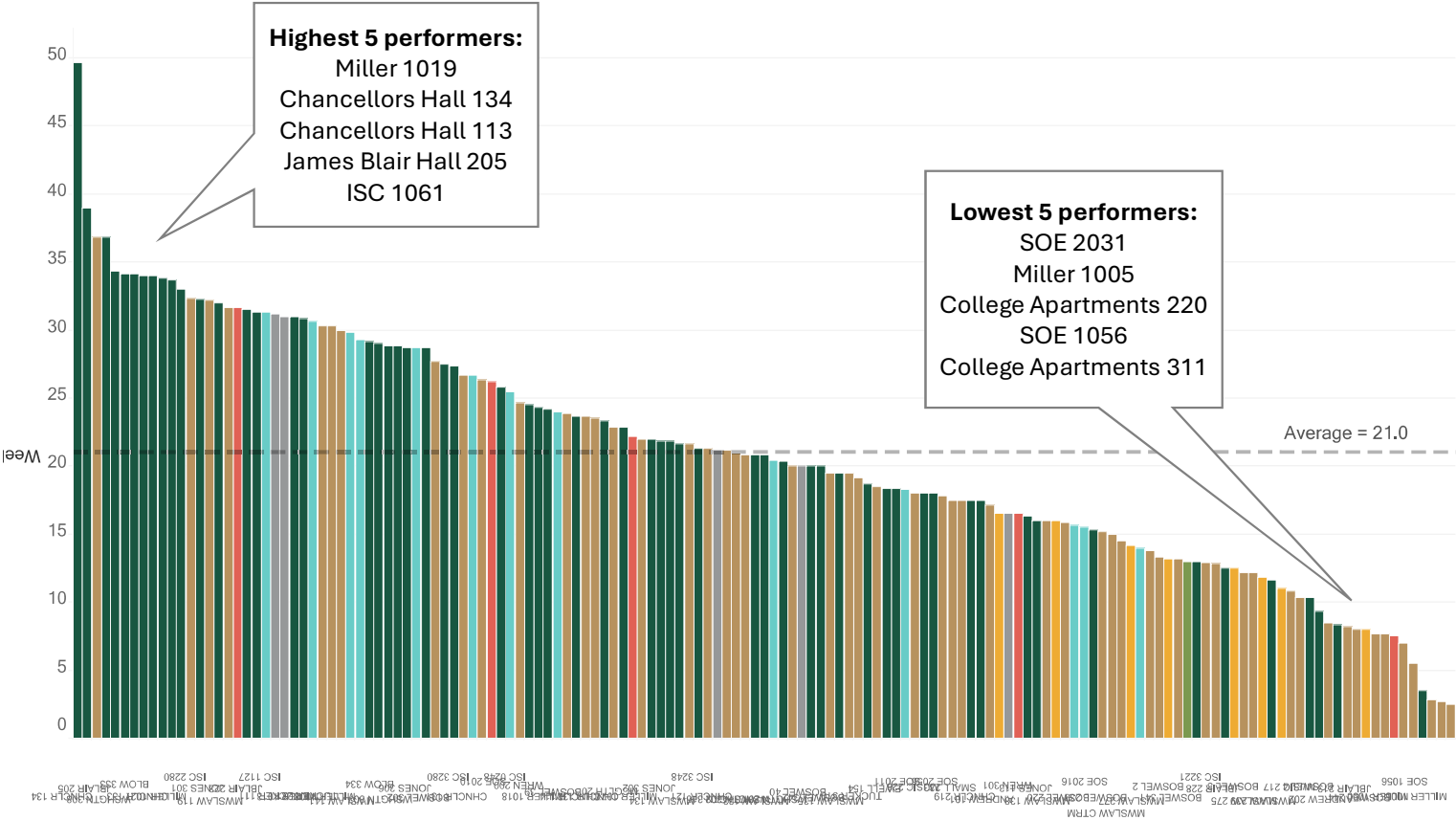
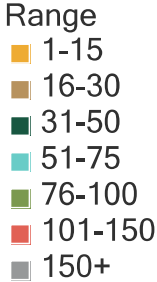
- Average utilization is 21 weekly room hours (WRH).
- Average occupancy, at 64 percent, is within the target of 60-70 percent.
- ISC, Chancellor, and Blow have many of the highest-performing rooms.
- Miller 1019 (not shown) is an outlier with all-day business courses, approaching 50 WRH.





# Classroom Weekly Room Hours

- Rooms in the 31-50 seat range generate the most hours, followed by 16-30-seat rooms.
- Approximately 84 percent of all hours are scheduled in rooms with fewer than 50 seats.
- Fewer than four percent of hours are scheduled in rooms with 1-15 seats, whereas demand for these smaller spaces is closer to 27 percent.

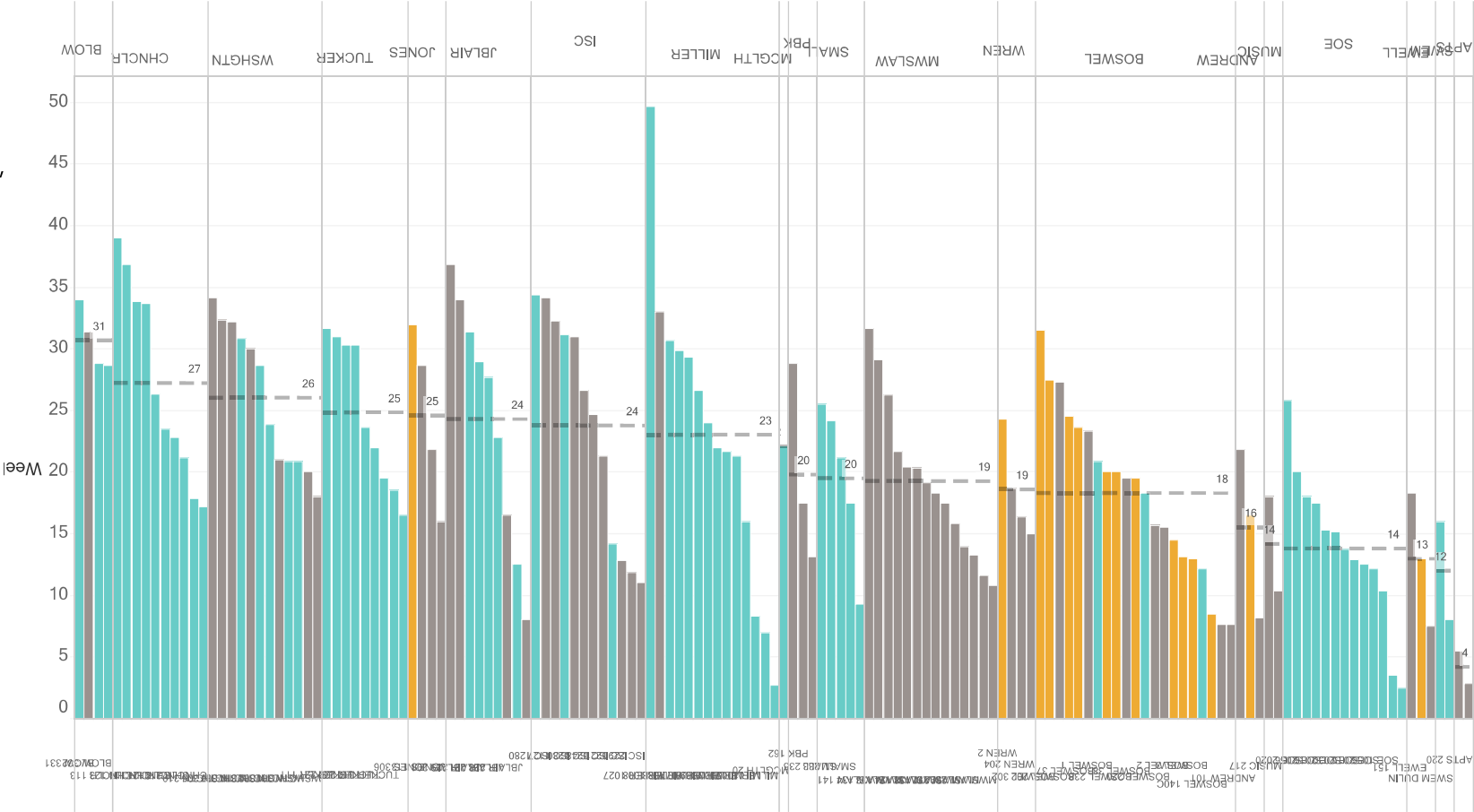


Sources: William & Mary course schedule data 2023-2024, William & Mary Facilities data, Sasaki site visit.



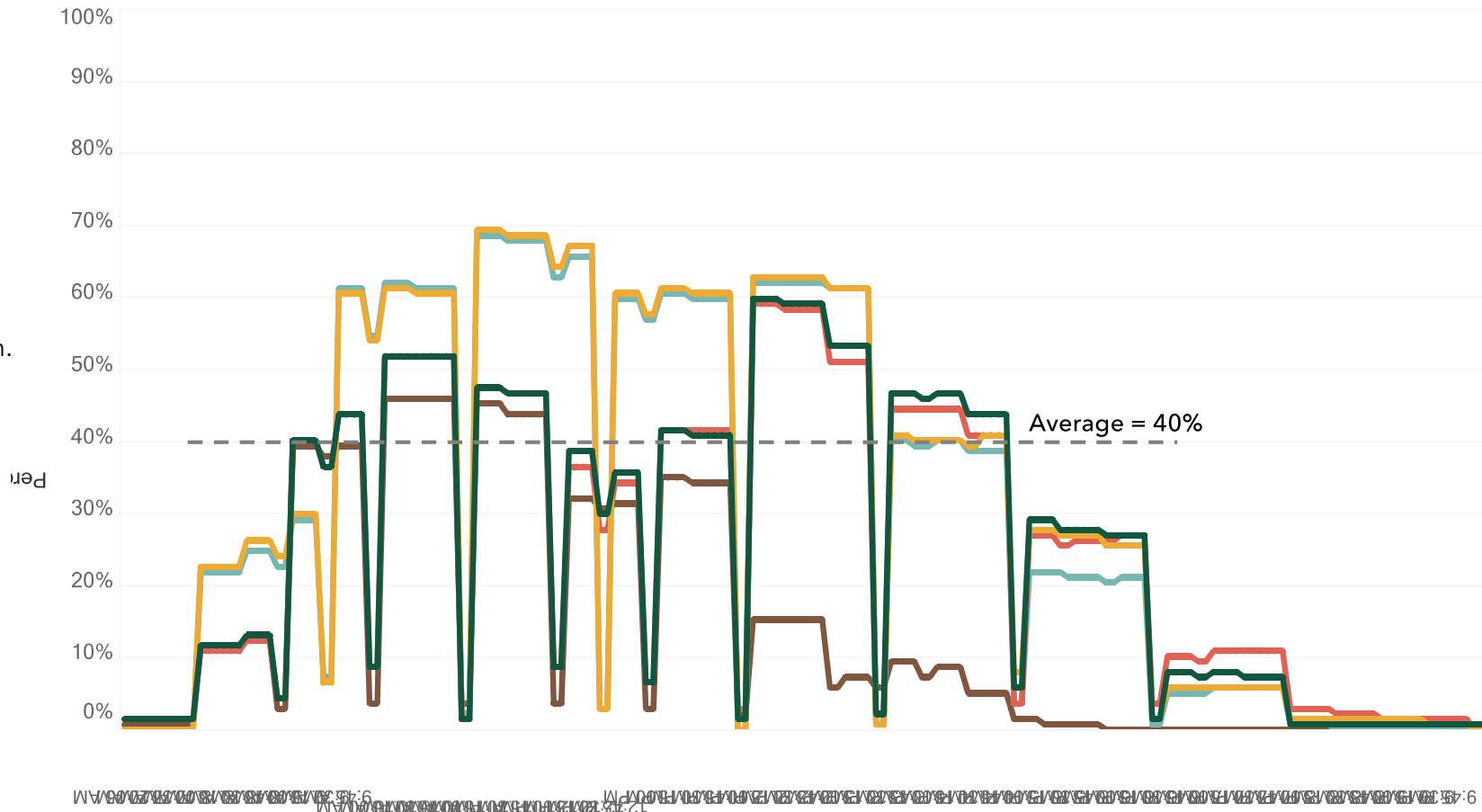
# Classroom Weekly Room Hours

- Most Boswell rooms need renovation; current condition may impact utilization rates.
- Chancellors, Tucker, Miller, and the School of Education have high percentages of rooms in suitable condition.



# Classroom Histograms

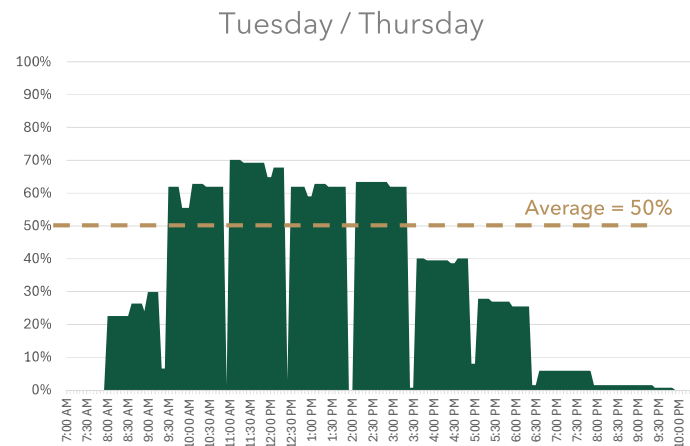
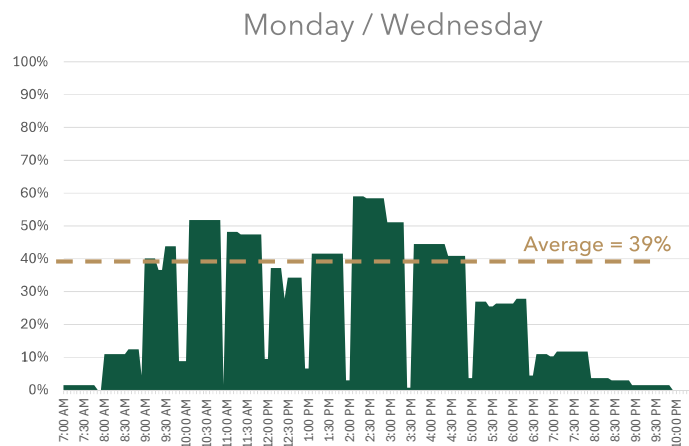
- Few rooms are in use before 9:00 a.m.
- Tuesdays and Thursdays have the highest peaks, from 11:00 a.m. to 12:30 p.m.
- Room use is lower on Monday and Wednesday mornings.
- Afternoons 2:00-3:30 p.m. are consistent Monday through Thursday.
- Friday use is generally lower overall.
- Excludes Law and SOE.



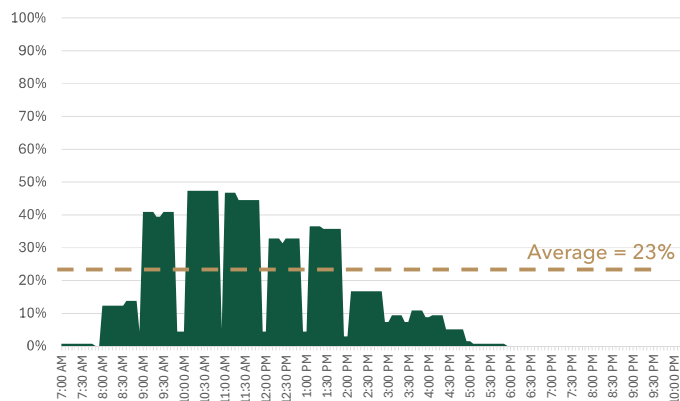
Sources: William & Mary course schedule data 2023-2024, William & Mary Facilities data, Sasaki site visit.

# Classroom Histograms

- Charts represent percentage of rooms scheduled each hour.
- Tuesdays and Thursdays have the highest peaks, at 11 a.m.
- Room use is lower on Monday and Wednesday mornings.
- Afternoons 2:00-3:30 p.m. are consistent Monday through Thursday.
- Friday use is lower overall.



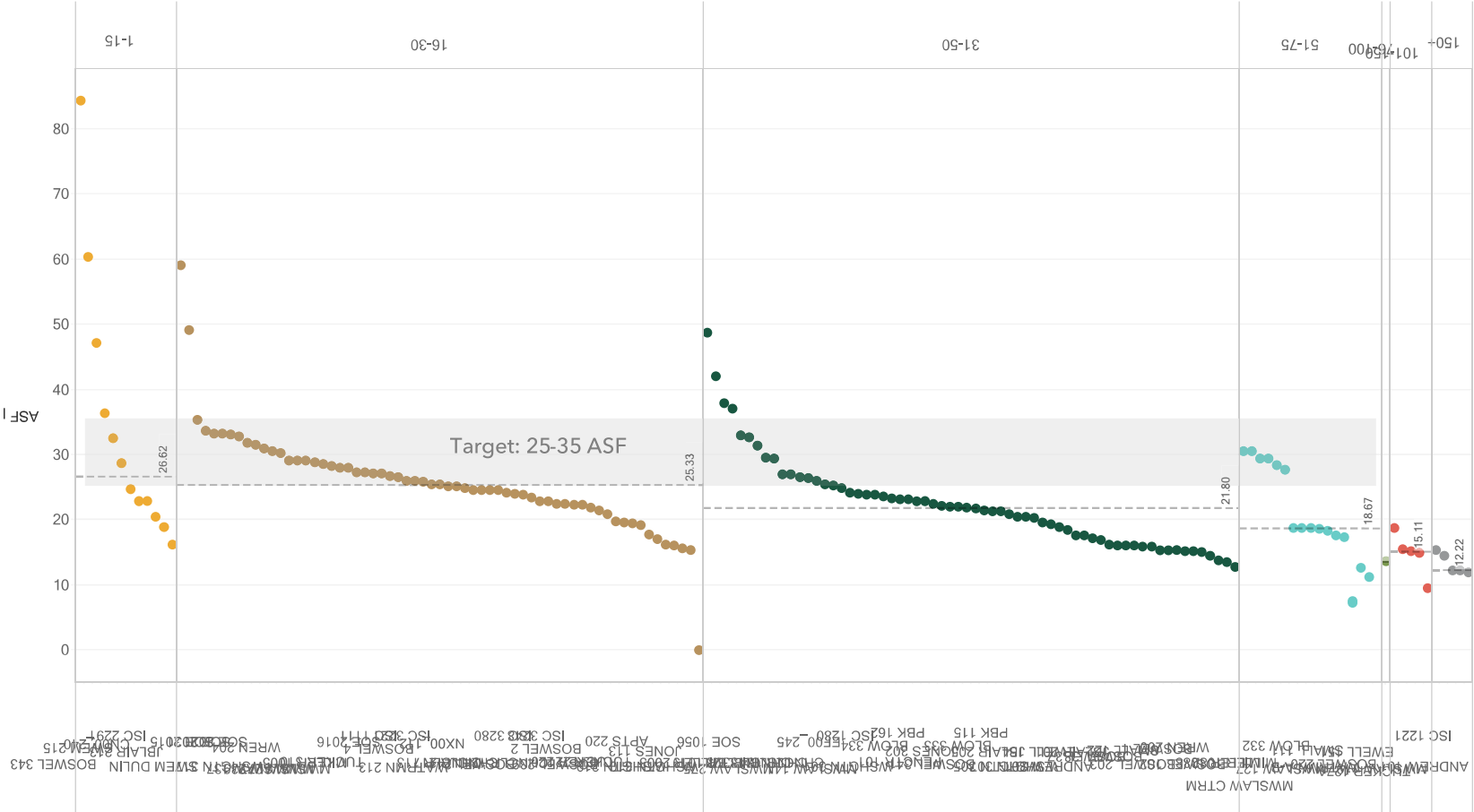
Friday



Sources: William & Mary course schedule data 2023-2024, William & Mary Facilities data, Sasaki site visit.

# Classroom ASF per Station

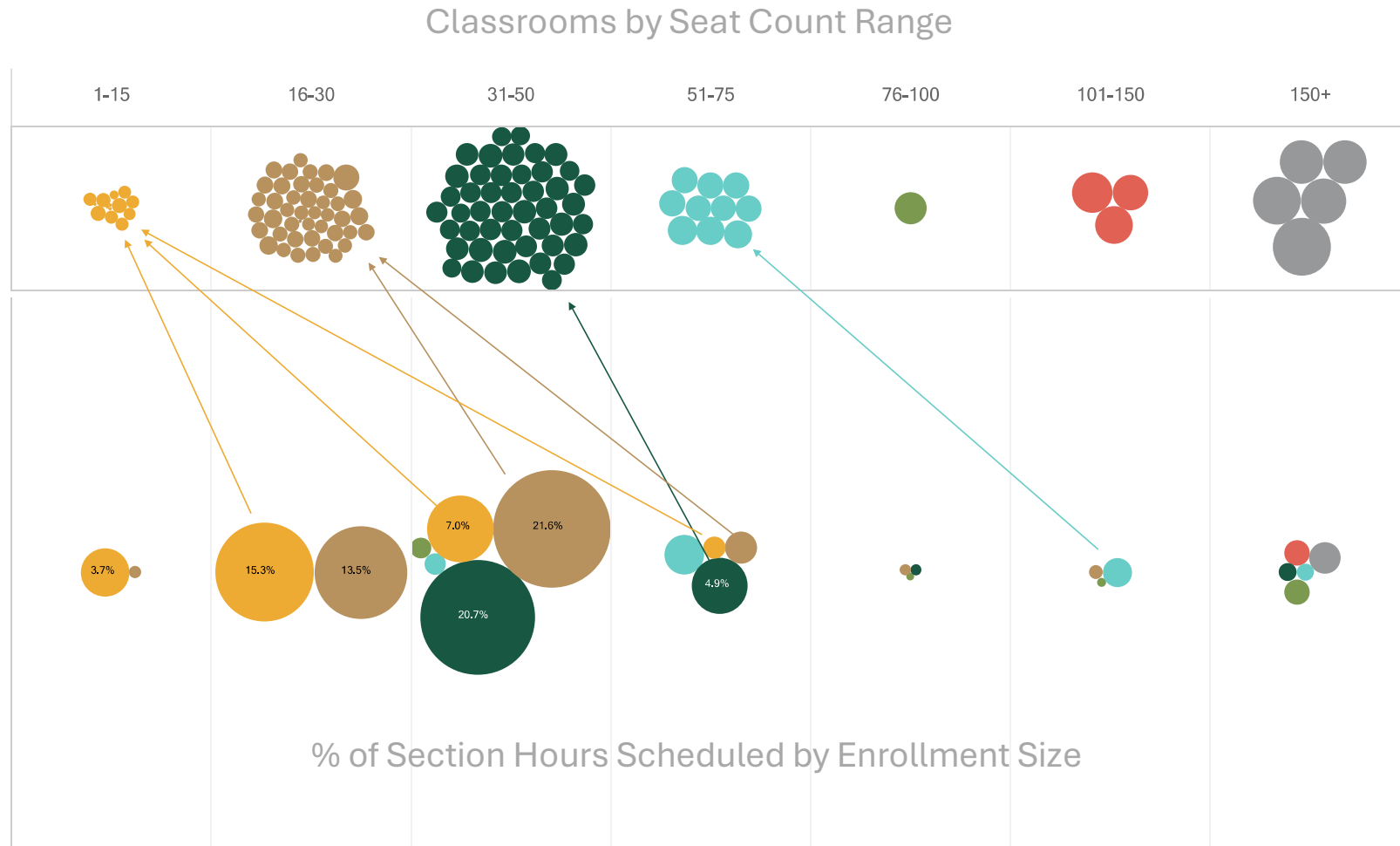
- Average station sizes, particularly in rooms that seat more than 30 students, generally fall below the target.



Sources: William & Mary course schedule data 2023-2024, William & Mary Facilities data, Sasaki site visit.

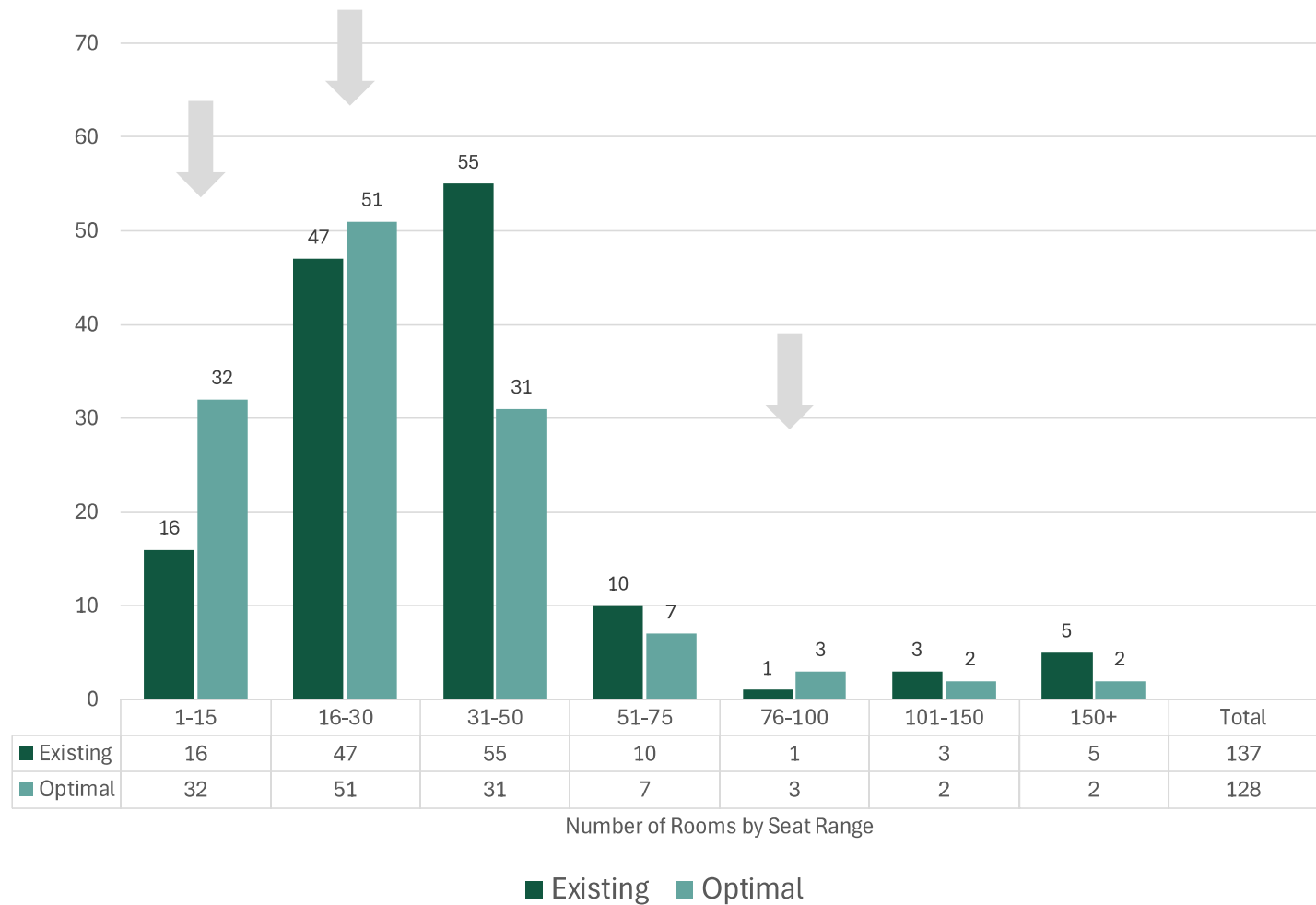
# Classroom Seat Migration

- Sections that may be better suited for smaller rooms often migrate into larger spaces
- A mismatch between rooms and section sizes can exacerbate scheduling constraints in mid-sized rooms and leave smaller spaces underutilized



# Classroom Optimization

- Overall, the quantity of rooms is sufficient; however, existing room capacities do not align with demand.
- Aligning demand with corresponding room sizes reveals a deficit in the 1-15, 16-30 and 76-100 seat ranges.
- Surpluses in other ranges generally accommodate the need in undersupplied categories.



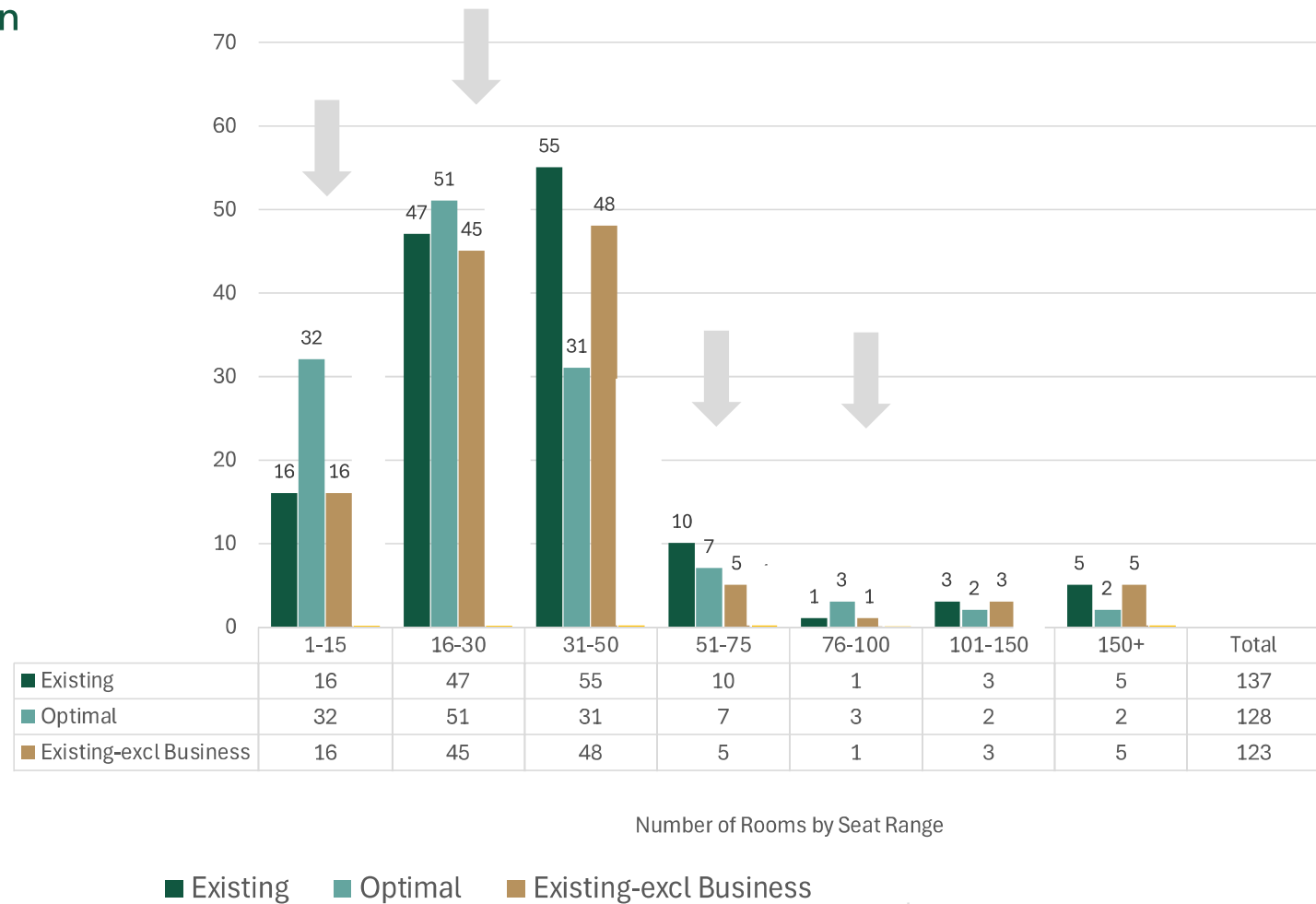
Sources: William & Mary course schedule data 2023-2024, William & Mary Facilities data, Sasaki site visit.



# Classroom Optimization

## Excluding Law and Education

- The schools of Law and Education are excluded in all scenarios.
- Aligning demand with corresponding room sizes reveals a deficit in the 1-15, 16-30 and 76-100 seat ranges.
- Surpluses in other ranges accommodate the need in undersupplied categories.
- Including the School of Business in the overall classroom pool would alleviate some burdens in the 16-30 range and provide more supply of rooms in the 31-50 range. Inability to schedule into Business rooms also leads to a deficit in the 51-75 range.

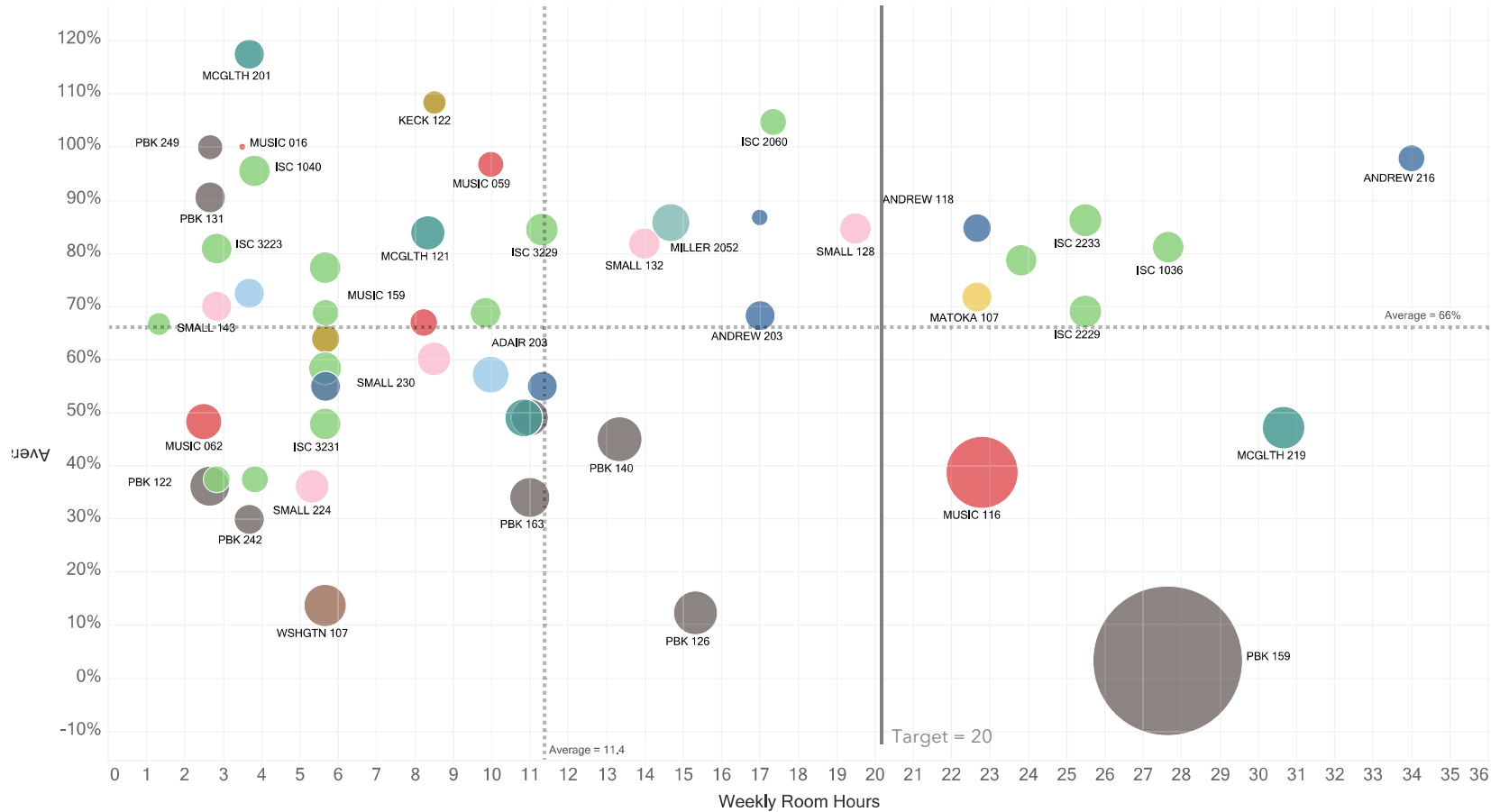


Sources: William & Mary course schedule data 2023-2024, William & Mary Facilities data, Sasaki site visit.

# Lab Weekly Room Hours & Occupancy by Building

- Lab utilization is highly variable by building.
- Several ISC labs operate above target, while others fall below target.
- A large dance lab in Phi Beta Kappa Hall is heavily scheduled with small enrollments.
- Art studio courses extend into the evening in Andrews 216.

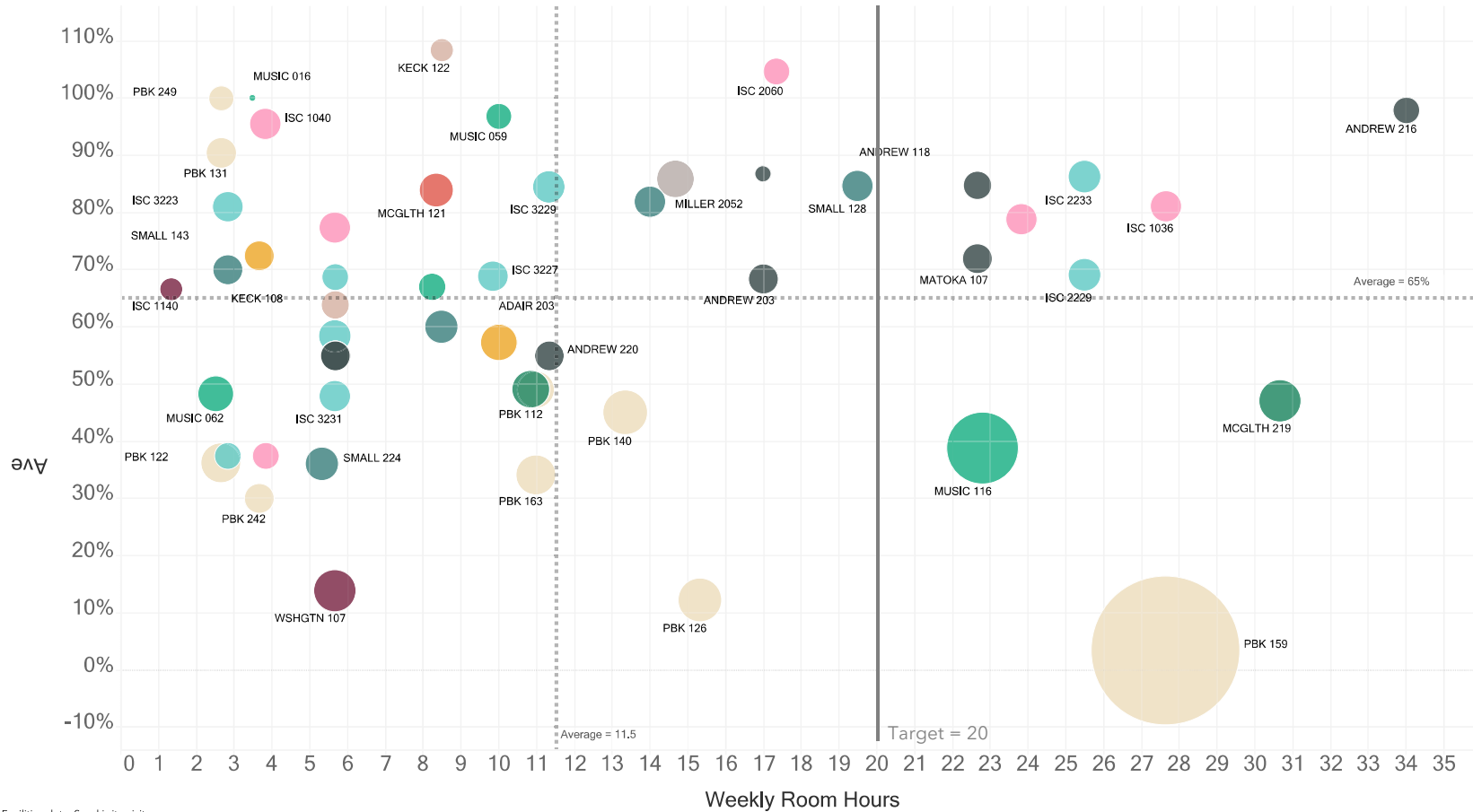
- Building Name
- Adair Hall
  - Andrews Hall
  - Integrated Science Center
  - Keck Lab
  - Lake Matoaka Art Studio
  - McGlothlin Street Hall
  - Miller Hall
  - Music Arts Center
  - Phi Beta Kappa Hall
  - Small Hall
  - Washington Hall



Sources: William & Mary course schedule data 2023-2024, William & Mary Facilities data, Sasaki site visit.

# Lab Weekly Room Hours & Occupancy by Department

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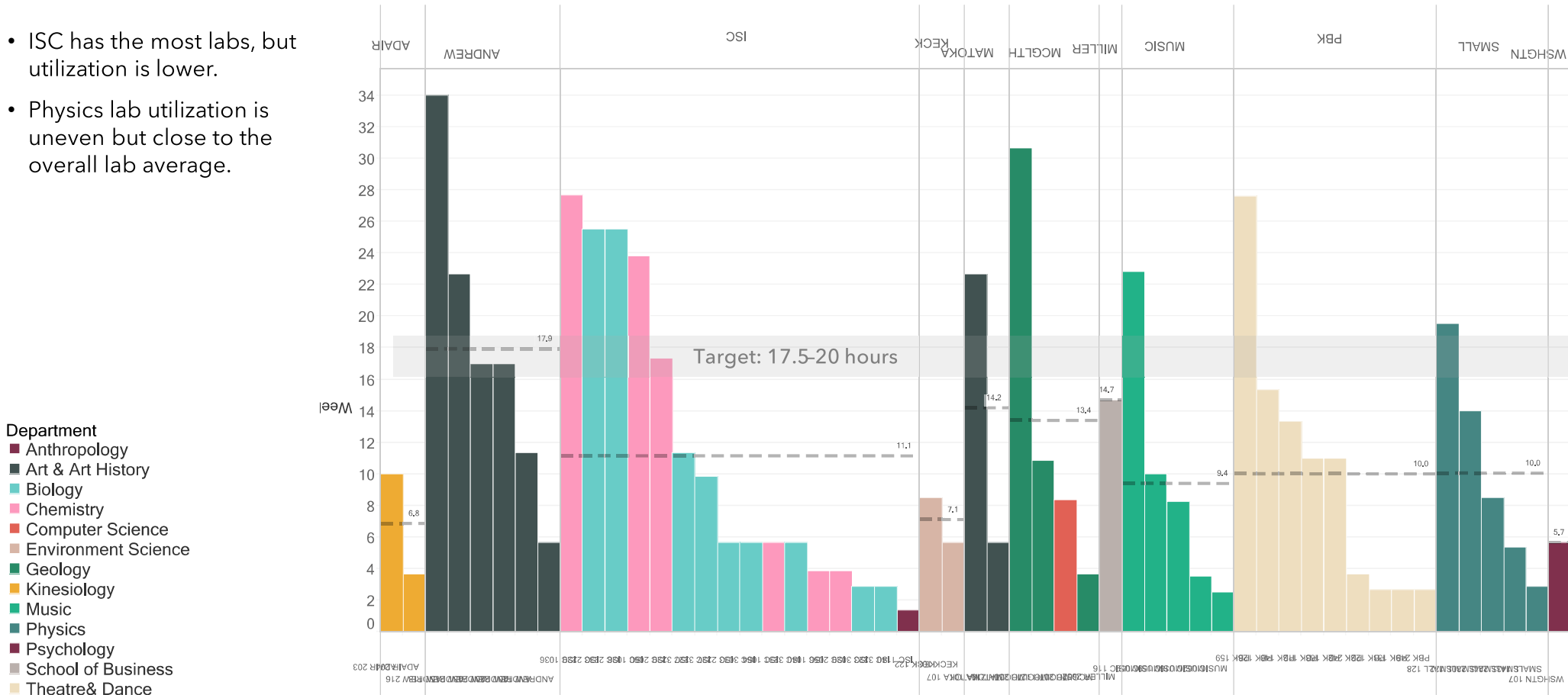


Sources: William & Mary course schedule data 2023-2024, William & Mary Facilities data, Sasaki site visit.



# Lab Weekly Room Hours by Building & Department

- ISC has the most labs, but utilization is lower.
- Physics lab utilization is uneven but close to the overall lab average.



Sources: William & Mary course schedule data 2023-2024, William & Mary Facilities data, Sasaki site visit.