

UNIVERSITY OF NEW ORLEANS MASTER PLAN

APPENDIX F : SPACE UTILIZATION REPORT
KENNEDY & COMPANY



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UNIVERSITY OF NEW ORLEANS
SPACE UTILIZATION ANALYSIS

March 2020

AGENDA

- I. Utilization Methodology & Definitions
- II. Overview of Findings
 - I. Hy-Flex Room Analysis
 - II. Room Utilization and Seat Utilization by Building
- III. Detailed Findings
 - I. Buildings with Highest & Lowest Room Utilization
 - II. South Campus Buildings' Utilization Rates
 - III. Utilization for Special Designations – Hy-Flex, Lab Courses, Lecture
- IV. Questions & Next Steps



UTILIZATION METHODOLOGY & DEFINITIONS

Using the course schedule for Fall 2019, Kennedy & Company calculated the space utilization for each University of New Orleans building during the hours of 8am-8pm.

Types of Utilization Calculations:



Room Utilization

Measures the proportion of rooms in a certain building that are being used.



Seat Utilization

Measures the proportion of seats being used, only within classrooms that are being used.*



“Total” Util.

Measures the proportion of seats being used in an entire building.

Kennedy & Company ran these space utilization analyses for each University of New Orleans building, along with their Hy-Flex classrooms and labs located within science buildings.


LIST OF ROOMS WITH HY-FLEX FEATURES

A total of 49 rooms were labeled with the hy-flex feature. Of those 49 rooms, only 33 appeared in the Fall 2019 schedule, while 16 did not appear in the Fall 2019 schedule.

Hy-flex Rooms in Fall '19 Schedule (n=33)*	
Building Room #	
Bicentennial Education 308C	Liberal Arts 372
Biological Sciences 101	Mathematics 102
Chemistry Science 103	Mathematics 123
Computer Center 202	Milneburg Hall 264
Engineering 315	Milneburg Hall 267
Engineering 318	Milneburg Hall 314
Geology & Psychology 1000	Milneburg Hall 320
Geology & Psychology 2013	Milneburg Hall 362
Kirschman Hall 122	Milneburg Hall 366
Kirschman Hall 205	Performing Arts Center 121
Kirschman Hall 220	Performing Arts Center 317
Kirschman Hall 226	Performing Arts Center 319
Liberal Arts 120	Science 1053
Liberal Arts 172	Science 2068
Liberal Arts 256	Science 2072
Liberal Arts 262	Science 2120
Liberal Arts 362	

Hy-Flex Rooms NOT in Fall '19 Schedule (n=16)^	
Building Room#	
Engineering 309	
Engineering 316	
Engineering 411	
Geology & Psychology 2027	
Geology & Psychology 2078	
Liberal Arts 104	
Liberal Arts 234	
Mathematics 100	
Mathematics 107	
Mathematics 110	
Mathematics 317	
Mathematics 320	
Performing Arts Center 313	
Science 2002	
Science 2049	
Science 2062	

* "Hy-Flex" feature appears in Room Report
Room does also appears in Fall '19 schedule

 Hy-Flex room used
for lab course

^ "Hy-Flex" feature appears in Room Report
Room does not appear in Fall '19 schedule

Further investigation should be done into the Hy-Flex featured rooms that do not appear in the Fall 2019 schedule, to get the most up-to-date information about each building's technological advantages.

HY-FLEX FEATURED AND LAB ROOMS BY BUILDING

Based on the Fall 2019 course schedule, Bicentennial, Kirschman, and Mathematics buildings had the fewest number of rooms scheduled for lab courses or with Hy-Flex features.

Type of Courses in Fall 2019 Schedule by Building - Hy Flex, Lab, Lecture									
Building	Total Rooms	Hy-Flex (HF) Rooms	Rm. w/ Lec. Taught	Rm. w/ Lab Taught	HF % of Tot. Rm.	HF % of Lec. Rms.	Lec. % of Tot. Rms.	Lab % of Tot. Rms	%HF + %Lab
Chemistry Science	3	1	1	2	33%	100%	33%	67%	100%
Computer Center	1	1	1	0	100%	100%	100%	0%	100%
Science	15	4	5	9	27%	80%	33%	60%	87%
Fine Arts	7	0	0	5	0%	0%	0%	71%	71%
Engineering	8	2	7	3	25%	29%	88%	38%	63%
Performing Arts Center	23	3	8	10	13%	38%	35%	43%	57%
Geology & Psychology	9	2	6	3	22%	33%	67%	33%	56%
Biological Sciences	5	1	1	1	20%	100%	20%	20%	40%
Milneburg Hall	16	6	11	0	38%	55%	69%	0%	38%
Liberal Arts	17	6	15	0	35%	40%	88%	0%	35%
Mathematics	11	2	10	1	18%	20%	91%	9%	27%
Kirschman Hall	19	4	19	1	21%	21%	100%	5%	26%
Bicentennial Education	12	1	10	1	8%	10%	83%	8%	17%

Notes:

LEC and LAB distinctions taken from descriptions of courses in the Fall 2019 course schedule

"Hy-Flex (HF) Rooms" column is the number of Hy-Flex rooms that appeared in the Fall 2019 course schedule for each building

Non-LEC or LAB course-types with more than 10 instances in Fall 2019: "SEM," "LL," "IND"

UNO should consider investing in buildings that have a low percentage of Hy-Flex and lab capabilities, such as Mathematics, Kirschman, and Bicentennial.

OVERVIEW OF FINDINGS

- ❑ Mathematics, Engineering, Liberal Arts, and Business buildings are among the most used, by both room and seat utilization measures.
- ❑ Biological Sciences, Geology & Psychology, and Chemistry Sciences buildings are among the least used buildings, by both room and seat utilization measurements.
- ❑ Specialty designations (Hy-Flex and Lab Courses) have low room utilization but medium-to-high seat utilization.
- ❑ Based on publicly available classroom utilizations studies, seat utilization targets can typically range between 65-70%.*
- ❑ UNO is well below that target rate indicating excess classroom capacity.
- ❖ Are we aware of any UNO target rates?

ROOM UTILIZATION VARIES BY BUILDING

Science-specific buildings have the lowest room utilization at New Orleans, while Mathematics, Engineering, Liberal Arts, and Business buildings have the highest room utilization.

UNO Fall 2019 Room Utilization by Building 8am-8pm									
Building	Rooms used	Average (M-F)	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Mathematics	11	43%	47%	50%	45%	50%	26%	0%	0%
Engineering	8	43%	44%	54%	52%	53%	11%	0%	0%
Liberal Arts	17	38%	34%	48%	37%	47%	23%	0%	0%
Kirschman Hall	19	36%	34%	53%	32%	55%	6%	26%	18%
Science	15	24%	15%	31%	30%	27%	18%	0%	0%
Fine Arts	7	24%	27%	26%	27%	26%	11%	0%	0%
Milneburg Hall	16	23%	27%	24%	28%	26%	8%	0%	0%
Chemistry Science	3	18%	10%	26%	33%	15%	5%	0%	0%
Performing Arts Center	23	17%	19%	25%	17%	19%	7%	0%	0%
Bicentennial Education	12	17%	21%	17%	13%	29%	5%	0%	0%
Biological Sciences	5	14%	9%	17%	14%	22%	9%	0%	0%
Geology & Psychology	9	12%	13%	12%	14%	17%	5%	0%	0%
Computer Center	1	35%	23%	38%	77%	15%	23%	0%	0%
Hy-Flex	49	16%	16%	20%	16%	20%	7%	0%	0%
Science Lab	15	18%	8%	25%	26%	22%	7%	0%	0%
Lecture	94	30%	30%	39%	28%	40%	13%	3%	2%

The following two slides share more detail on the two highest and two lowest buildings by room utilization.

SEAT UTILIZATION VARIES BY BUILDING

The Biological Sciences and Chemistry Science buildings have the two lowest seat utilization proportions, nearly 15% lower than Geology & Psychology, the third lowest utilized building by seat utilization.

UNO Fall 2019 Seat Utilization by Building 8am-8pm									
Building	Rooms used	Average (M-F)	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Kirschman Hall	19	70%	77%	75%	77%	81%	39%	54%	51%
Performing Arts Center	23	68%	68%	81%	79%	50%	60%	0%	0%
Fine Arts	7	65%	75%	50%	75%	50%	77%	0%	0%
Engineering	8	63%	72%	64%	73%	69%	38%	0%	0%
Mathematics	11	60%	67%	64%	66%	64%	40%	0%	0%
Science	15	60%	53%	73%	63%	60%	50%	0%	0%
Liberal Arts	17	60%	64%	69%	63%	68%	34%	0%	0%
Bicentennial Education	12	59%	59%	75%	59%	75%	29%	0%	0%
Milneburg Hall	16	59%	68%	67%	69%	57%	35%	0%	0%
Geology & Psychology	9	53%	54%	46%	71%	63%	33%	0%	0%
Biological Sciences	5	39%	19%	56%	40%	62%	19%	0%	0%
Chemistry Science	3	34%	19%	42%	66%	35%	6%	0%	0%
Computer Center	1	23%	15%	33%	44%	10%	15%	0%	0%
Hy-Flex	49	66%	75%	73%	74%	70%	41%	0%	0%
Science Lab	15	62%	37%	70%	91%	80%	31%	0%	0%
Lecture	94	69%	71%	74%	69%	74%	57%	51%	50%

Like their room utilization, Biological Sciences and Chemistry Science buildings also have low seat utilization.

DETAILED FINDINGS BY BUILDING OR CATEGORY

The following slides reflect the detailed room and/or seat utilization of particular areas of interest.



Buildings with Highest and Lowest Room Utilization



South Campus Building's Room & Seat Utilization



Utilization for Special Designations – Hy-Flex, Lab Courses, Lecture

As outlined in the following pages, room- and seat- utilization varies by category.

HIGHEST ROOM UTILIZATION: ENGINEERING, MATHEMATICS



For room utilization, New Orleans' Engineering and Mathematics buildings are the most utilized. Both Buildings average 43% room utilization Monday-Friday from 8am to 8pm.

Day	Avg.	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00
Monday	44.2%	0.0%	25.0%	25.0%	12.5%	12.5%	12.5%	87.5%	87.5%	50.0%	75.0%	87.5%	87.5%	12.5%
Tuesday	53.8%	0.0%	0.0%	75.0%	62.5%	75.0%	25.0%	87.5%	87.5%	87.5%	87.5%	87.5%	25.0%	0.0%
Wednesday	51.9%	0.0%	37.5%	25.0%	37.5%	37.5%	50.0%	87.5%	87.5%	50.0%	87.5%	75.0%	87.5%	12.5%
Thursday	52.9%	0.0%	25.0%	75.0%	62.5%	75.0%	25.0%	87.5%	87.5%	87.5%	75.0%	75.0%	12.5%	0.0%
Friday	10.6%	0.0%	25.0%	25.0%	0.0%	12.5%	37.5%	25.0%	12.5%	0.0%	0.0%	0.0%	0.0%	0.0%
Saturday	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sunday	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Day	Avg.	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00
Monday	46.9%	36.4%	72.7%	45.5%	72.7%	27.3%	72.7%	63.6%	27.3%	45.5%	45.5%	45.5%	54.5%	0.0%
Tuesday	49.7%	45.5%	45.5%	72.7%	81.8%	81.8%	0.0%	63.6%	45.5%	63.6%	45.5%	45.5%	54.5%	0.0%
Wednesday	45.5%	36.4%	72.7%	45.5%	72.7%	27.3%	72.7%	63.6%	27.3%	45.5%	36.4%	36.4%	54.5%	0.0%
Thursday	49.7%	45.5%	45.5%	72.7%	72.7%	72.7%	0.0%	63.6%	45.5%	63.6%	54.5%	54.5%	54.5%	0.0%
Friday	25.9%	36.4%	72.7%	45.5%	63.6%	18.2%	63.6%	36.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Saturday	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sunday	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

While both buildings are full throughout parts of each day, the Engineering building has potential for more capacity in the morning while Mathematics building has potential for more capacity in the afternoons after 3pm.

LOWEST ROOM UTILIZATION: BIO. SCIENCES, GEO. & PSYCH.



UNO's Biological Sciences and Geology & Psychology buildings have the lowest building utilization, when measured using active classroom & lab times.

Fall 2019 UNO Biological Sciences Building Room Utilization														
	Avg.	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00
Monday	9.2%	40.0%	0.0%	40.0%	20.0%	20.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Tuesday	16.9%	20.0%	20.0%	20.0%	20.0%	20.0%	0.0%	20.0%	20.0%	80.0%	0.0%	0.0%	0.0%	0.0%
Wednesday	13.8%	40.0%	0.0%	40.0%	20.0%	20.0%	20.0%	20.0%	20.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Thursday	21.5%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	40.0%	40.0%	80.0%	0.0%	0.0%	0.0%	0.0%
Friday	9.2%	40.0%	0.0%	40.0%	20.0%	20.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Saturday	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sunday	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Fall 2019 UNO Geology & Psychology Building Room Utilization														
	Avg.	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00
Monday	12.8%	0.0%	11.1%	22.2%	22.2%	33.3%	33.3%	22.2%	11.1%	11.1%	0.0%	0.0%	0.0%	0.0%
Tuesday	12.0%	0.0%	0.0%	44.4%	22.2%	22.2%	11.1%	22.2%	22.2%	11.1%	0.0%	0.0%	0.0%	0.0%
Wednesday	13.7%	0.0%	22.2%	33.3%	22.2%	11.1%	11.1%	22.2%	11.1%	11.1%	11.1%	11.1%	11.1%	0.0%
Thursday	17.1%	0.0%	0.0%	55.6%	33.3%	44.4%	11.1%	22.2%	11.1%	11.1%	11.1%	11.1%	11.1%	0.0%
Friday	5.1%	0.0%	11.1%	22.2%	11.1%	11.1%	0.0%	11.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Saturday	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sunday	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

While there may be reason for such underutilization based on active class and lab times, at first glance there appears to be plenty of room to add courses in or consolidate buildings that serve specific sciences.

SOUTH CAMPUS: CHEMISTRY SCIENCE BUILDING



With three rooms hosting courses or labs, the Chemistry Science building ranks among the lowest for both room and seat utilization.

Fall 2019 UNO Chemistry Science Building Room Utilization														
Day	Avg	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00
Monday	10.3%	0.0%	0.0%	33.3%	0.0%	0.0%	33.3%	33.3%	33.3%	0.0%	0.0%	0.0%	0.0%	0.0%
Tuesday	25.6%	33.3%	0.0%	0.0%	33.3%	33.3%	33.3%	66.7%	66.7%	66.7%	0.0%	0.0%	0.0%	0.0%
Wednesday	33.3%	0.0%	33.3%	66.7%	33.3%	0.0%	33.3%	66.7%	66.7%	33.3%	33.3%	33.3%	33.3%	0.0%
Thursday	15.4%	33.3%	0.0%	0.0%	33.3%	33.3%	0.0%	33.3%	33.3%	33.3%	0.0%	0.0%	0.0%	0.0%
Friday	5.1%	0.0%	0.0%	33.3%	0.0%	0.0%	33.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Saturday	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sunday	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Fall 2019 UNO Chemistry Science Building Seat Utilization														
Day	Avg.	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00
Monday	19.2%	0.0%	0.0%	41.7%	0.0%	0.0%	41.7%	83.3%	83.3%	0.0%	0.0%	0.0%	0.0%	0.0%
Tuesday	42.3%	50.0%	0.0%	0.0%	50.0%	50.0%	100.0%	100.0%	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%
Wednesday	66.2%	0.0%	100.0%	48.5%	100.0%	0.0%	41.7%	85.3%	85.3%	100.0%	100.0%	100.0%	100.0%	0.0%
Thursday	34.6%	50.0%	0.0%	0.0%	50.0%	50.0%	0.0%	100.0%	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%
Friday	6.4%	0.0%	0.0%	41.7%	0.0%	0.0%	41.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Saturday	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sunday	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

While there may be reason for such underutilization based on active class and lab times, at first glance there appears to be plenty of room to add courses in or consolidate buildings that serve specific sciences.

SOUTH CAMPUS: ENGINEERING BUILDING



UNO's Engineering building has some of the highest room and seat utilization rates.

Fall 2019 UNO Engineering Building Room Utilization														
Day	Avg.	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00
Monday	44.2%	0.0%	25.0%	25.0%	12.5%	12.5%	12.5%	87.5%	87.5%	50.0%	75.0%	87.5%	87.5%	12.5%
Tuesday	53.8%	0.0%	0.0%	75.0%	62.5%	75.0%	25.0%	87.5%	87.5%	87.5%	87.5%	87.5%	25.0%	0.0%
Wednesday	51.9%	0.0%	37.5%	25.0%	37.5%	37.5%	50.0%	87.5%	87.5%	50.0%	87.5%	75.0%	87.5%	12.5%
Thursday	52.9%	0.0%	25.0%	75.0%	62.5%	75.0%	25.0%	87.5%	87.5%	87.5%	75.0%	75.0%	12.5%	0.0%
Friday	10.6%	0.0%	25.0%	25.0%	0.0%	12.5%	37.5%	25.0%	12.5%	0.0%	0.0%	0.0%	0.0%	0.0%
Saturday	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sunday	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Fall 2019 UNO Engineering Building Seat utilization														
Day	Avg.	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00
Monday	72.2%	0.0%	59.8%	74.6%	92.3%	92.3%	100.0%	94.4%	94.4%	79.8%	66.7%	65.6%	63.2%	55.6%
Tuesday	64.1%	0.0%	0.0%	82.0%	98.9%	97.2%	73.8%	84.7%	84.7%	77.4%	76.7%	76.7%	81.3%	0.0%
Wednesday	72.6%	0.0%	61.5%	74.6%	94.0%	94.0%	92.4%	94.4%	94.4%	79.8%	70.8%	69.6%	64.9%	52.6%
Thursday	68.5%	0.0%	100.0%	82.0%	98.9%	97.2%	73.8%	84.7%	84.7%	77.4%	71.0%	71.0%	50.0%	0.0%
Friday	38.2%	0.0%	59.8%	74.6%	0.0%	100.0%	93.2%	89.7%	78.9%	0.0%	0.0%	0.0%	0.0%	0.0%
Saturday	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sunday	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

With the vast majority of seat utilization rates above 60%, Engineering rooms are used in high proportions by both seat and room utilization rates.

SOUTH CAMPUS: GEOLOGY & PSYCHOLOGY BUILDING



UNO's Geology & Psychology building does not have a day where it's rooms are used above 20% on average, based on active class and lab times.

Fall 2019 UNO Geology & Psychology Building Room Utilization														
Day	Avg.	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00
Monday	12.8%	0.0%	11.1%	22.2%	22.2%	33.3%	33.3%	22.2%	11.1%	11.1%	0.0%	0.0%	0.0%	0.0%
Tuesday	12.0%	0.0%	0.0%	44.4%	22.2%	22.2%	11.1%	22.2%	22.2%	11.1%	0.0%	0.0%	0.0%	0.0%
Wednesday	13.7%	0.0%	22.2%	33.3%	22.2%	11.1%	11.1%	22.2%	11.1%	11.1%	11.1%	11.1%	11.1%	0.0%
Thursday	17.1%	0.0%	0.0%	55.6%	33.3%	44.4%	11.1%	22.2%	11.1%	11.1%	11.1%	11.1%	11.1%	0.0%
Friday	5.1%	0.0%	11.1%	22.2%	11.1%	11.1%	0.0%	11.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Saturday	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sunday	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Fall 2019 UNO Geology & Psychology Building Seat Utilization														
Day	Avg.	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00
Monday	54.2%	0.0%	83.3%	97.5%	100.0%	85.9%	85.9%	81.1%	71.4%	100.0%	0.0%	0.0%	0.0%	0.0%
Tuesday	45.8%	0.0%	0.0%	65.4%	100.0%	100.0%	100.0%	75.0%	75.0%	80.0%	0.0%	0.0%	0.0%	0.0%
Wednesday	71.1%	0.0%	79.3%	93.3%	93.1%	71.4%	60.0%	67.6%	60.0%	100.0%	100.0%	100.0%	100.0%	0.0%
Thursday	62.8%	0.0%	0.0%	71.0%	100.0%	96.2%	71.4%	58.3%	40.0%	80.0%	100.0%	100.0%	100.0%	0.0%
Friday	32.6%	0.0%	83.3%	97.5%	100.0%	71.4%	0.0%	71.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Saturday	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sunday	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

While there may be reason for such underutilization based on active class and lab times, at first glance there appears to be plenty of room to add courses in or consolidate buildings that serve specific sciences.



SOUTH CAMPUS: PERFORMING ARTS CENTER BUILDING



UNO's Performing Arts Center building has 23 rooms and one of the highest room but lowest seat utilization rates.

Fall 2019 UNO Performing Arts Center Building Room Utilization														
Day	Avg.	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00
Monday	19.4%	0.0%	13.0%	17.4%	26.1%	13.0%	17.4%	43.5%	39.1%	17.4%	17.4%	21.7%	17.4%	8.7%
Tuesday	25.1%	8.7%	8.7%	26.1%	43.5%	43.5%	4.3%	47.8%	47.8%	26.1%	13.0%	26.1%	13.0%	17.4%
Wednesday	16.7%	0.0%	13.0%	17.4%	26.1%	13.0%	17.4%	43.5%	39.1%	17.4%	8.7%	13.0%	4.3%	4.3%
Thursday	19.1%	8.7%	8.7%	26.1%	43.5%	43.5%	8.7%	47.8%	47.8%	13.0%	0.0%	0.0%	0.0%	0.0%
Friday	7.0%	0.0%	13.0%	8.7%	26.1%	8.7%	8.7%	8.7%	8.7%	4.3%	4.3%	0.0%	0.0%	0.0%
Saturday	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sunday	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Fall 2019 UNO Performing Arts Center Building Seat Utilization														
Day	Avg.	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00
Monday	67.8%	0.0%	89.8%	91.3%	75.9%	81.8%	100.0%	60.6%	58.6%	84.9%	63.6%	66.4%	63.1%	45.5%
Tuesday	81.1%	56.0%	56.0%	79.5%	88.1%	88.1%	100.0%	78.2%	78.2%	74.6%	72.1%	83.2%	100.0%	100.0%
Wednesday	79.4%	0.0%	89.8%	91.3%	75.9%	81.8%	100.0%	60.6%	58.6%	86.3%	92.3%	95.7%	100.0%	100.0%
Thursday	50.3%	56.0%	56.0%	79.5%	88.1%	88.1%	54.4%	78.2%	78.2%	75.9%	0.0%	0.0%	0.0%	0.0%
Friday	59.7%	0.0%	89.8%	88.9%	75.9%	77.8%	100.0%	100.0%	83.3%	80.0%	80.0%	0.0%	0.0%	0.0%
Saturday	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sunday	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

While there may be reason for such underutilization based on active class and lab times, at first glance there appears to be plenty of room to add courses in or consolidate buildings that serve specific sciences.

SPECIAL DESIGNATIONS: “HY-FLEX” CLASSROOMS



The Hy-Flex designated rooms have a low room utilization (below 20% each day M-F) but a high seat utilization (above 70% M-Th).

Fall 2019 UNO Hy-Flex Room Utilization														
	Total	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00
Monday	16.0%	4.1%	16.3%	24.5%	28.6%	8.2%	10.2%	22.4%	18.4%	10.2%	14.3%	22.4%	20.4%	8.2%
Tuesday	19.9%	8.2%	6.1%	32.7%	38.8%	40.8%	0.0%	32.7%	30.6%	16.3%	8.2%	18.4%	16.3%	10.2%
Wednesday	16.3%	4.1%	14.3%	24.5%	28.6%	18.4%	20.4%	28.6%	18.4%	12.2%	10.2%	14.3%	12.2%	6.1%
Thursday	20.1%	8.2%	6.1%	34.7%	38.8%	40.8%	0.0%	32.7%	34.7%	18.4%	8.2%	14.3%	14.3%	10.2%
Friday	6.9%	4.1%	12.2%	24.5%	24.5%	8.2%	10.2%	6.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Saturday	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sunday	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Fall 2019 UNO Hy-Flex Seat Utilization														
	Total	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00
Monday	74.6%	55.6%	80.9%	64.2%	83.4%	80.5%	77.5%	78.2%	77.5%	92.2%	62.3%	68.3%	68.4%	80.9%
Tuesday	72.8%	73.6%	80.6%	83.9%	83.4%	83.9%	0.0%	87.3%	88.5%	61.2%	77.1%	75.6%	77.1%	74.7%
Wednesday	74.5%	55.6%	82.0%	64.2%	83.4%	84.2%	81.1%	80.0%	77.5%	91.3%	66.7%	66.9%	66.4%	68.9%
Thursday	69.5%	73.6%	80.6%	83.3%	83.4%	83.9%	0.0%	87.3%	83.5%	57.1%	51.4%	71.8%	73.8%	74.4%
Friday	41.0%	55.6%	81.6%	64.2%	80.5%	80.5%	81.9%	88.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Saturday	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sunday	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Hy-Flex classrooms have a high seat utilization, so seats are filled when classes are scheduled in them.

SPECIAL DESIGNATIONS: LAB COURSES*



Room utilization for Lab Courses is low, with M&F labs at less than 10% room utilization. However, seat utilization is high for the middle three days of the week, but low M&F

	Total	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00
Monday	7.7%	0.0%	0.0%	0.0%	0.0%	6.7%	33.3%	33.3%	13.3%	13.3%	0.0%	0.0%	0.0%	0.0%
Tuesday	25.1%	0.0%	0.0%	6.7%	20.0%	20.0%	46.7%	66.7%	53.3%	46.7%	20.0%	20.0%	20.0%	6.7%
Wednesday	26.2%	0.0%	6.7%	6.7%	20.0%	13.3%	40.0%	66.7%	53.3%	46.7%	13.3%	26.7%	26.7%	20.0%
Thursday	21.5%	6.7%	6.7%	13.3%	13.3%	20.0%	40.0%	60.0%	33.3%	26.7%	20.0%	20.0%	20.0%	0.0%
Friday	7.2%	0.0%	0.0%	0.0%	0.0%	0.0%	20.0%	26.7%	26.7%	20.0%	0.0%	0.0%	0.0%	0.0%
Saturday	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sunday	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	Total	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00
Monday	36.7%	0.0%	0.0%	0.0%	0.0%	100.0%	96.7%	96.7%	91.7%	91.7%	0.0%	0.0%	0.0%	0.0%
Tuesday	69.7%	0.0%	0.0%	45.5%	76.0%	76.0%	100.0%	97.6%	97.1%	96.5%	71.7%	72.9%	72.9%	100.0%
Wednesday	91.0%	0.0%	100.0%	100.0%	100.0%	100.0%	98.7%	95.4%	94.4%	94.7%	100.0%	100.0%	100.0%	100.0%
Thursday	79.6%	100.0%	100.0%	100.0%	100.0%	88.6%	92.5%	84.0%	78.5%	75.0%	72.0%	72.0%	72.0%	0.0%
Friday	30.8%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%
Saturday	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sunday	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Lab courses can have different set up, tear down, or individual-use demands than normal classrooms.

SPECIAL DESIGNATIONS: LECTURE COURSES*



Lecture courses are used well by both room and seat utilization metrics, when compared with other New Orleans' buildings.

Fall 2019 Lecture Courses Room Utilization														
Day	Total	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00
Monday	30.0%	9.6%	28.7%	36.2%	38.3%	24.5%	24.5%	36.2%	31.9%	22.3%	30.9%	44.7%	43.6%	18.1%
Tuesday	38.8%	18.1%	17.0%	59.6%	70.2%	71.3%	3.2%	60.6%	60.6%	36.2%	19.1%	36.2%	31.9%	20.2%
Wednesday	28.2%	9.6%	29.8%	38.3%	39.4%	24.5%	25.5%	36.2%	31.9%	20.2%	25.5%	34.0%	36.2%	14.9%
Thursday	39.6%	18.1%	19.1%	60.6%	70.2%	71.3%	5.3%	60.6%	60.6%	38.3%	21.3%	36.2%	31.9%	21.3%
Friday	13.1%	10.6%	28.7%	36.2%	37.2%	23.4%	23.4%	7.4%	1.1%	1.1%	1.1%	0.0%	0.0%	0.0%
Saturday	2.6%	4.3%	4.3%	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	0.0%	0.0%	0.0%
Sunday	2.0%	2.1%	2.1%	2.1%	2.1%	2.1%	3.2%	3.2%	3.2%	3.2%	3.2%	0.0%	0.0%	0.0%

Fall 2019 Lecture Courses Seat Utilization														
Day	Total	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00
Monday	71.3%	72.1%	70.1%	70.9%	70.8%	68.1%	73.9%	73.1%	70.1%	78.7%	60.9%	68.3%	71.3%	78.3%
Tuesday	73.8%	75.0%	78.0%	77.7%	75.1%	75.4%	71.6%	76.4%	74.4%	68.7%	68.5%	73.4%	73.7%	71.8%
Wednesday	68.7%	72.1%	69.9%	69.5%	70.7%	68.1%	71.6%	72.9%	70.3%	74.2%	60.6%	63.2%	64.5%	65.4%
Thursday	74.4%	75.0%	79.5%	76.5%	75.1%	75.4%	54.7%	76.4%	75.4%	71.0%	73.0%	78.4%	78.0%	78.6%
Friday	56.7%	67.2%	70.1%	69.4%	70.1%	67.1%	74.0%	78.6%	80.0%	80.0%	80.0%	0.0%	0.0%	0.0%
Saturday	50.8%	66.5%	66.5%	65.9%	65.9%	65.9%	65.9%	65.9%	65.9%	65.9%	65.9%	0.0%	0.0%	0.0%
Sunday	49.7%	63.3%	63.3%	63.3%	63.3%	63.3%	65.9%	65.9%	65.9%	65.9%	65.9%	0.0%	0.0%	0.0%

Lecture courses appear to be among the most utilized at UNO, with room for more courses over the weekend and in the evenings during the week.

NEXT STEPS AND QUESTIONS

What analysis is needed for future check-ins?

Are there cuts of the data that we can run, based on specific times or days?

What are University of New Orleans' targets for room and seat utilization?

What questions remain?

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