



# Strategic Scheduling Initiatives in Platinum Analytics at TAMUCC

Caleb Tegtmeier, Consultant, Ad Astra

Christie Roberts, Associate University Registrar, TAMUCC

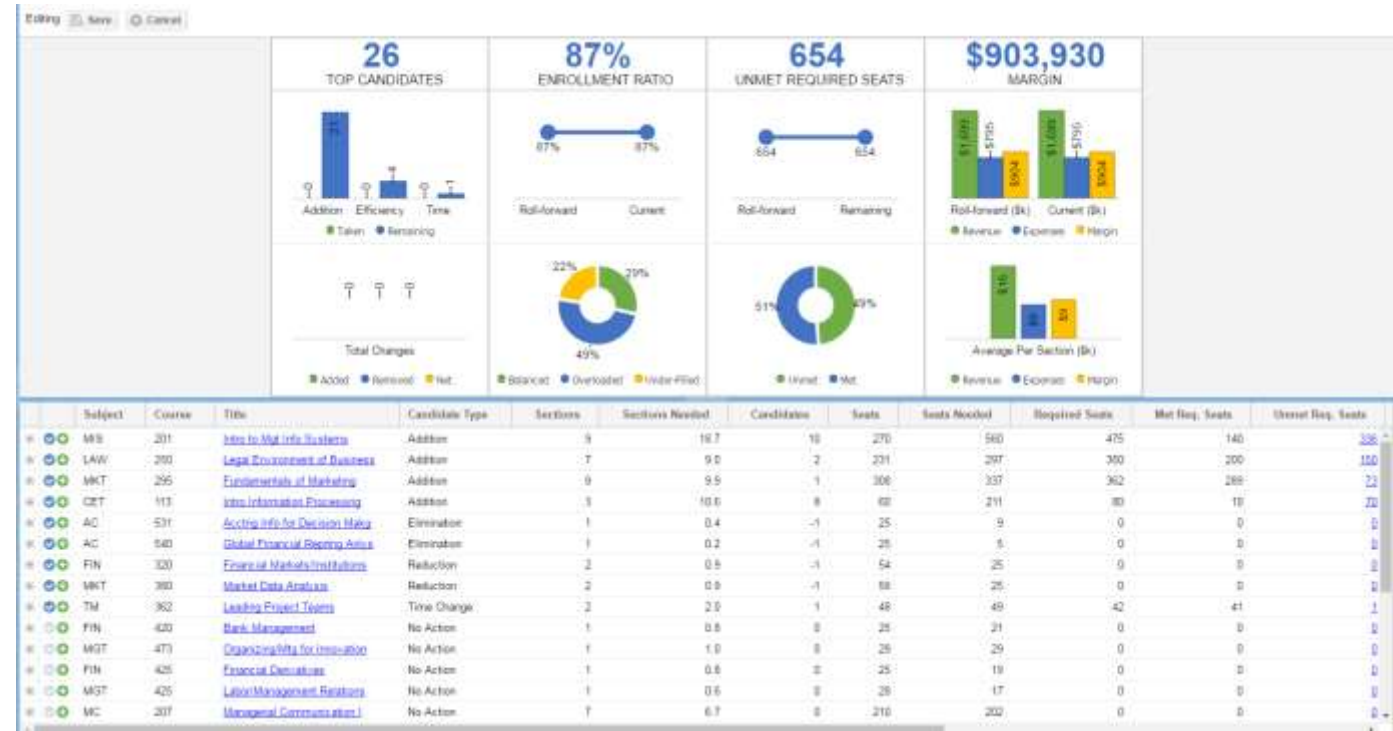
---

# Agenda

- Intro to Platinum Analytics
- Texas A&M Corpus Christi
- Data driven strategies
- Outcomes
- Future focus

# What is Platinum Analytics?

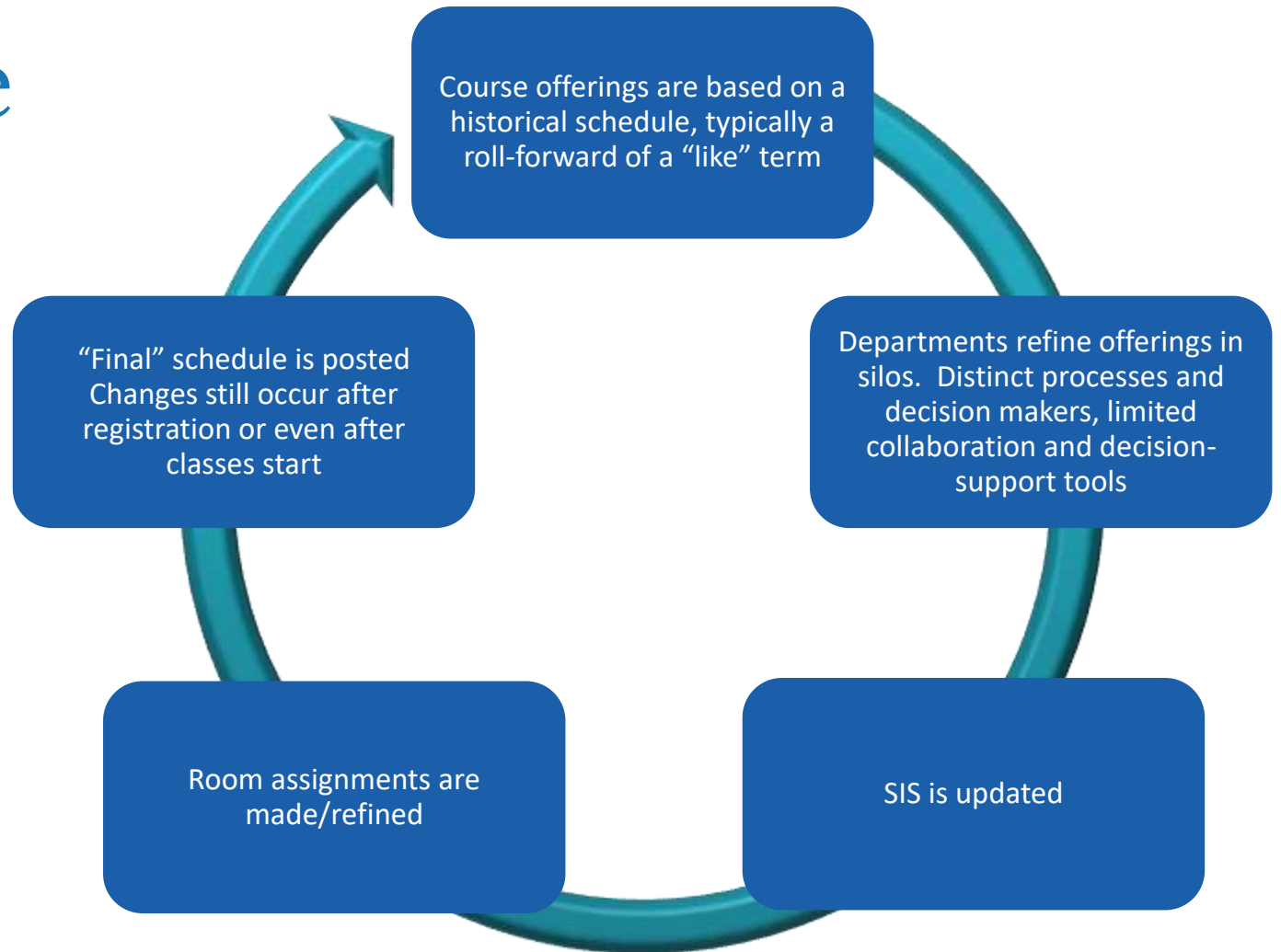
- Course demand modeling tool focused on providing data to drive student centered scheduling decisions
- Forecast based on:
  - Historical enrollment trends
  - Degree audit data or student pathways
  - Live registration patterns



---

# Common Schedule Building Process

Typical Goal:  
Completion vs.  
Improvement

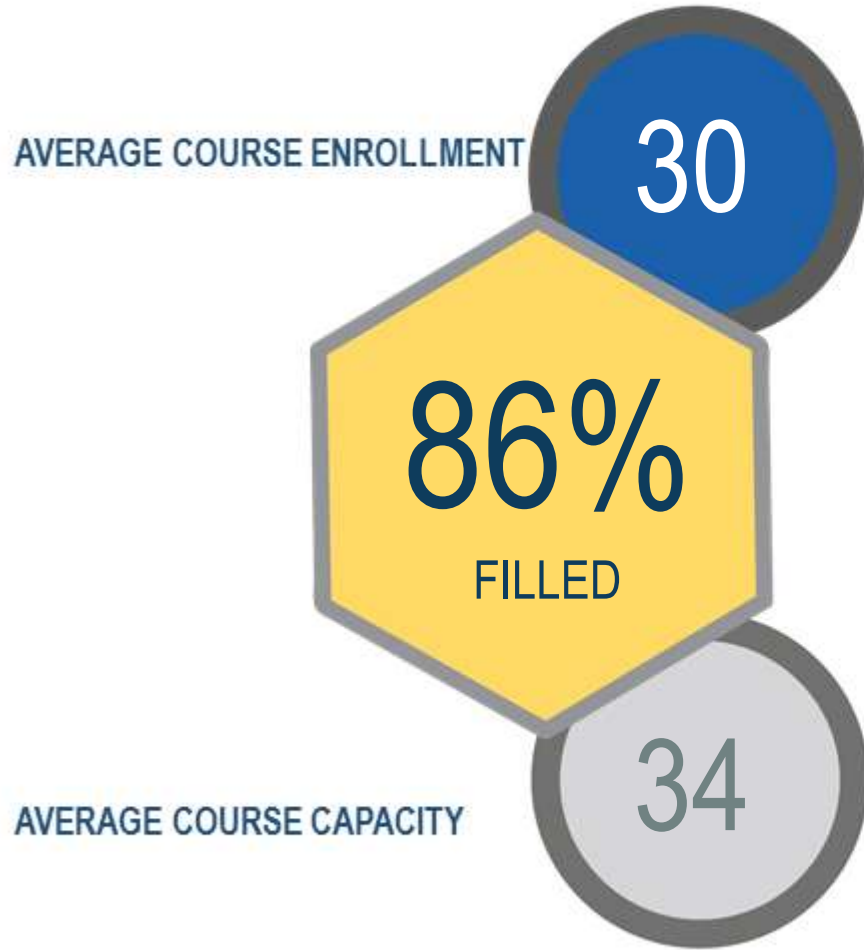


---

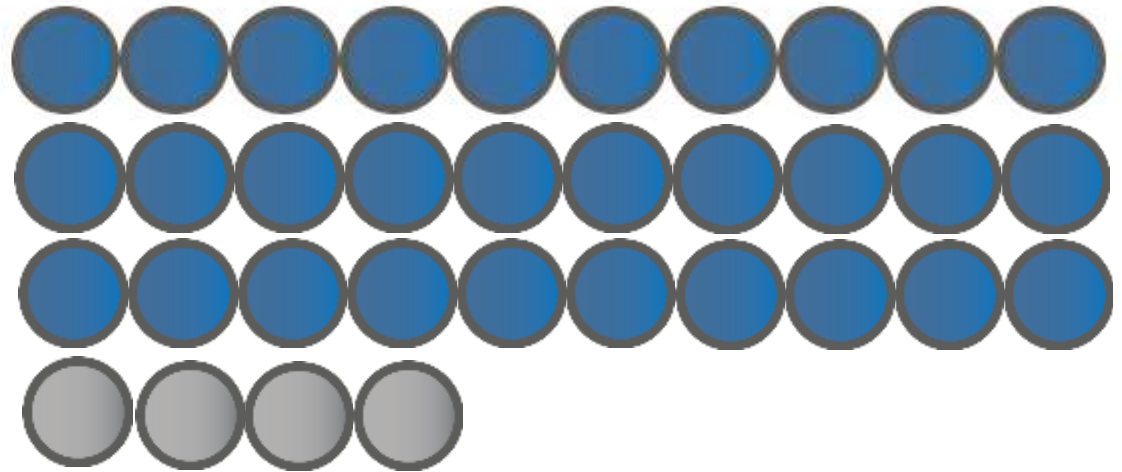
# Texas A&M Corpus Christi

- Astra Schedule and Platinum Client
- Department driven course offering scheduling
- Growing undergrad and grad enrollment





## ENROLLMENT RATIO



\*Undergraduate Only

# Course Offering Summary – Fall 2018\*

Measurement	Fall 2017	Fall 2018
Enrollment Ratio (85% Target)	86%	<b>86%</b>

Measurement	Fall 2017	Fall 2018
Overloaded Course Ratio (<10% Goal)	35%	<b>37%</b>
Balanced Course Ratio (>60% Goal)	33%	<b>32%</b>
Underutilized Course Ratio (<30% Goal)	32%	<b>31%</b>

---

# TAMUCC Strategic Scheduling Team

- Focus:
  - Employing a centralized lens to scheduling challenges to ensure decisions are made with a student centered mindset
  - Compare practices across colleges
  - Identify cross campus scheduling challenges



---

# Scheduling Emphasis and Progress

1. Limiting General Education Bottlenecks
2. Reviewing the scheduling grid
3. Monitoring registration velocity

# General Education Requirements

Requirement	Fall 2018 Enrollment Ratio	Spring 2019 Enrollment Ratio
American History (6 sem. hrs.)	99%	98%
Communication (6 sem. hrs.)	94%	90%
Creative Arts (3 sem. hrs.)	99%	75%
Government/Political Science (6 sem. hrs.)	99%	98%
Language, Philosophy and Culture (3 sem. hrs)	98%	99%
Life and Physical Sciences (6 sem. hrs)	94%	88%
Mathematics (3 sem. hrs.)	92%	94%
Social and Behavioral Science (3 sem. hrs.)	87%	80%

Fall 2019 Gen Ed Snapshot  
[\(Link\)](#)

---

# Limiting general education bottlenecks

## Practices:

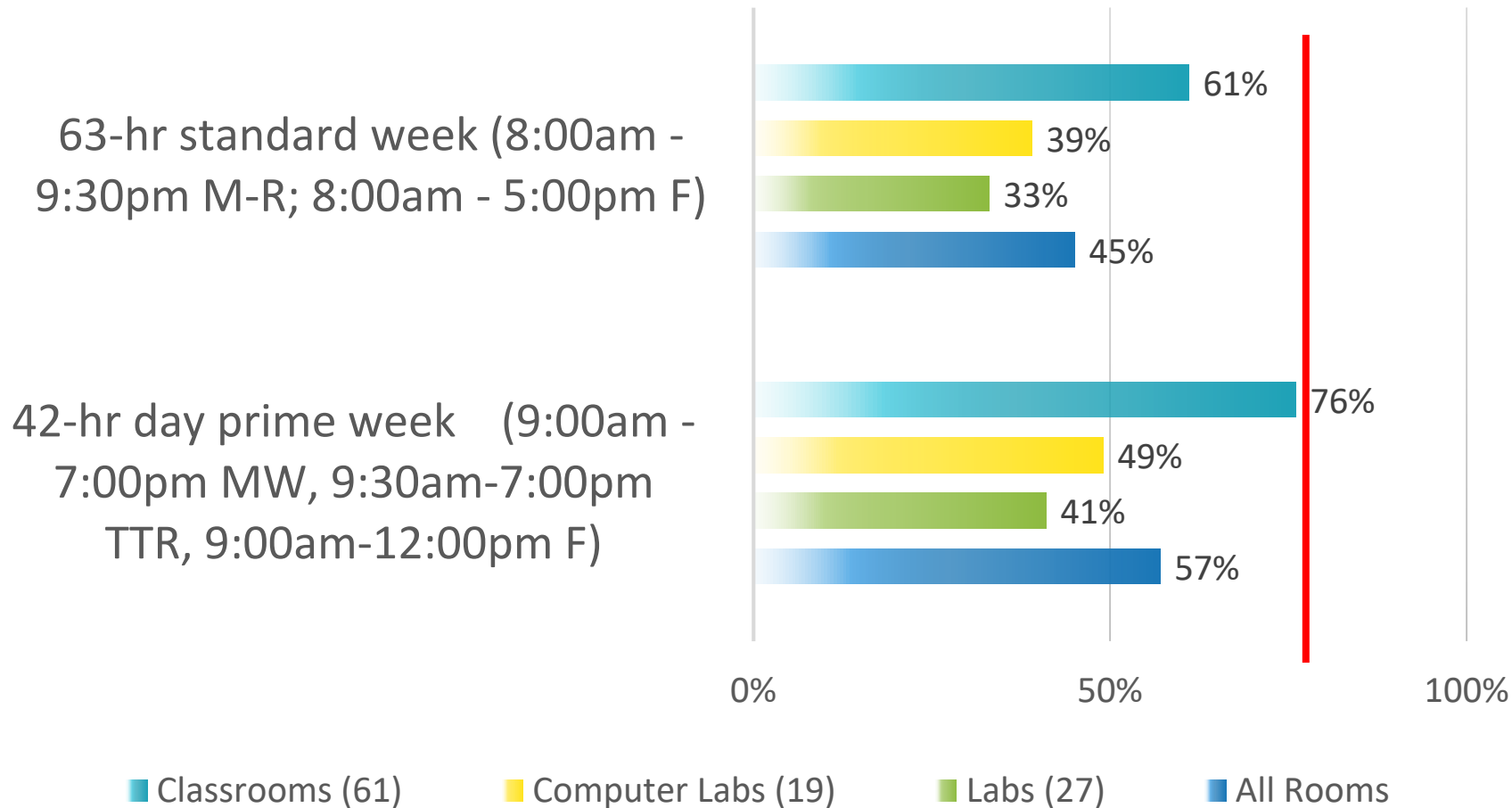
- Moving to centralized university college model
- Understanding difference between full courses and pent up demand
- Evaluating academic year bottlenecks
- Engaging leadership

## Outcomes:

- **+41 added Gen Ed sections in Spring 2019 - Fall 2019**
- 3 of the 8 categories were bottlenecked (down 1 from Spring 2018)
- Greater visibility into gen ed challenges from leadership level

# Capacity Management Findings

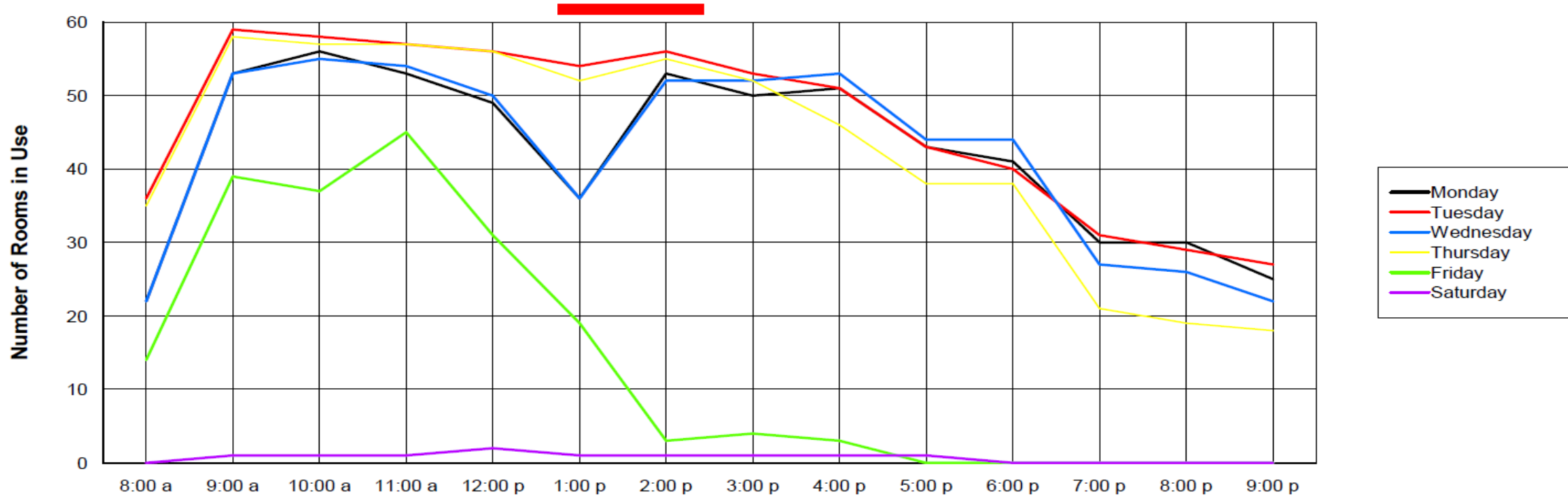
## AVERAGE UTILIZATION



- Classroom utilization during the standard week is High - 61% - **89<sup>th</sup> Percentile**
- Classroom utilization in the prime week is High- **76%** - **76<sup>th</sup> Percentile**

# Reviewing the scheduling grid

**M Classroom Rooms in Use**  
by Day and Time  
**MWF 1p-3p**



# Proposed New Grid

Current Pattern	Proposed New Grid
MWF 12-12:50	MWF 12-12:50
MWF 1-1:50	MW 1-2:15
MW 2-3:15	MW 2:30-3:45
MW 3:30- 4:45	MW 4-5:15
MW 5:30-6:45	MW 5:30-6:45

## Outcomes:

- By replacing MW 1-1:50 with an extra 75 minute block there will be potential for an additional **30.5 hrs of classroom utilization per week.**
- Opens 3<sup>rd</sup> 75 minute MW afternoon block to align with high utilization of others

---

# Monitoring Registration Velocity

- Centralizes key information on course fill bottlenecks and year to year registration comparisons
- Creates an opportunity for discussion during registration on how to handle changes in enrollment
- Keeps others accountable for limiting bottlenecks and late cancellations.

---

# Future Focus

- Use of Pathways and Student Educational Planner
- Approaching Summer terms in a new way



Questions?