



Campus Master Plan Update

May 9, 2013

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Regents' Direction on Master Planning

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- Create and maintain a distinctive and aspiring vision for the physical development of each campus.
- Enrich the experience of all who come to the campus.
- Maximize the value of existing physical assets while responding to emerging/changing physical needs.
- Ensure an inclusive, accountable, and timely process for creating and implementing a master plan vision.

What is a Master Plan?

A Master Plan is a physical manifestation of the campus's strategic plan.

A Master Plan...

- confirms that short-term projects are working in conjunction with long-term plans and goals.
- accommodates shifting academic priorities and economic conditions.
- identifies the unique qualities of the campus that will be enhanced and areas that are expected to change.

UMD's Mission

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The University of Minnesota Duluth integrates liberal education, research, creative activity, and public engagement and prepares students to thrive as lifelong learners and globally engaged citizens.

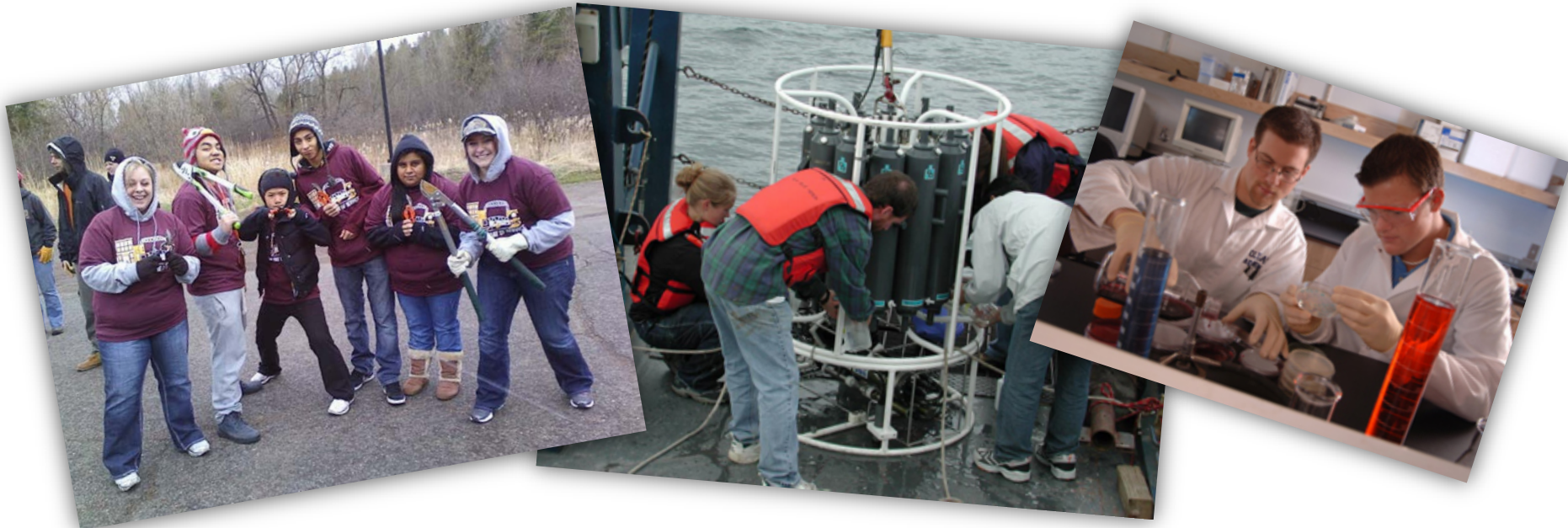


UMD's Vision

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UMD will build upon its unique land-grant and sea-grant traditions to become a premier comprehensive university recognized as world class for its learning-centered student experiences, research, creative activities, and public engagement.



Plan Update Activities

- Reviewed 2005 Campus Master Plan.
- Incorporated the mission, vision, core values, and campus goals of the 2011 UMD Strategic Plan.
- Analyzed student enrollment projections and evolving needs of the UMD campus.

Plan Update Activities

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- UMD Physical Facilities Committee (PFC) worked with campus leadership and Hay Dobbs Architects to draft an updated campus master plan.
- Created a site plan to identify new building locations.
- Identified space deficiencies.

Master Plan

Guiding Principles

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- Establish a clear campus edge on West College Street and Woodland Avenue.
- Establish primary campus entries.
- Maintain and strengthen the “Academic Core” of the campus.
- Connect the campus to the regional environment.
- Visibly manifest sustainability.



Master Plan Goals

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- Create a “Front Door” for the UMD campus.
- Develop a “Focal Point” for the UMD campus.
- Make the UMD Campus more “Visible.”
- Enhance the “Visual Quality” of UMD campus.
- Create a “Pedestrian and Bicycle Friendly” UMD campus.
- Connect and “Integrate” UMD campus into the City of Duluth.



Master Plan Trends and Assumptions

Focus on Sustainability

- Existing natural areas should be preserved.
- Planning elements should be fiscally responsible and achievable.
- Transit service to and from the campus will continue.
- On campus sports and recreation fields and green space must be preserved.

Master Plan Trends and Assumptions *(continued)*

- Enrollment will continue to increase at a modest rate, approximately, 1%-2% per year.
- The campus is essentially “land-locked” on all sides with the exception of several strategic expansion areas.
- Parking stall quantity should remain static.
- On campus housing capacity is adequate; any future demand will be absorbed by the private sector.

Master Plan Elements and Guidance

- **Land Use** — follow historic development pattern of campus
- **Public Spaces and Buildings** — open space; natural features and systems
- **Movement and Circulation** — gateways, wayfinding and orientation; pedestrians; bicycles; transit; vehicles
- **Parking** — de-emphasis on parking as first impression
- ***Additional Considerations:*** Internal circulation and off-campus facilities

Master Plan-Short Term

Creating a Better Sense of Arrival

- Design and construct new “Visitor Gateway” entry
- Design and construct new “Grand Ped/Bike Gateway”
- Reconfigure/relocate W. College Street/Woodland intersection to Clover Street
- Implement “in-process” renewal construction projects
- Plan for future capital projects

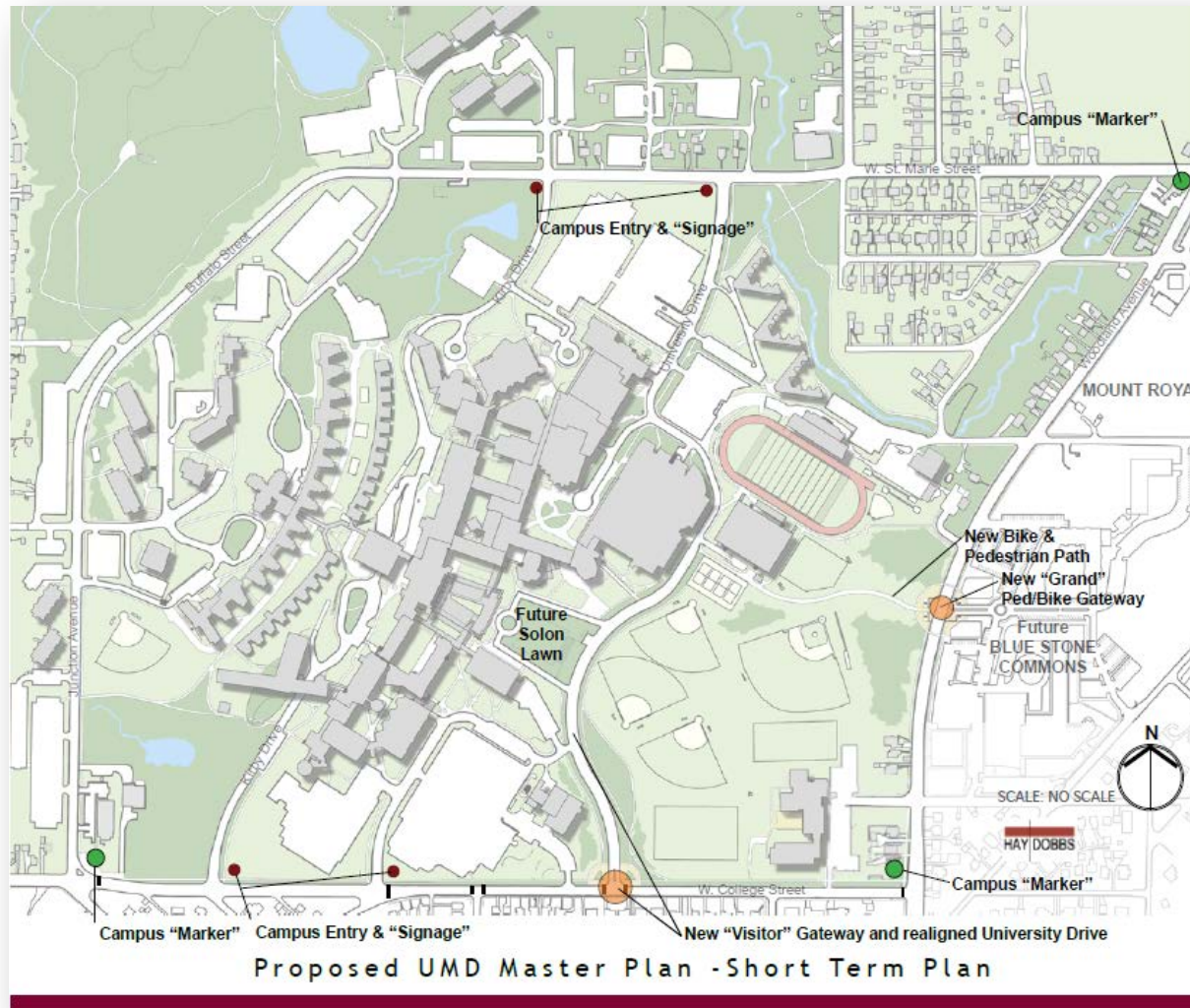


Short Term Diagram

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Master Plan-Long Term

Being Thoughtful about Growth and Change

- Grow campus in a compact and walkable manner
- Invite nature to the north end of campus
- Locate parking around the campus perimeter
- Expand facilities near similar related facilities
- Showcase sustainable features
- Reinforce UMD brand and better position campus competitively
- Ensure new spaces help draw enrollment

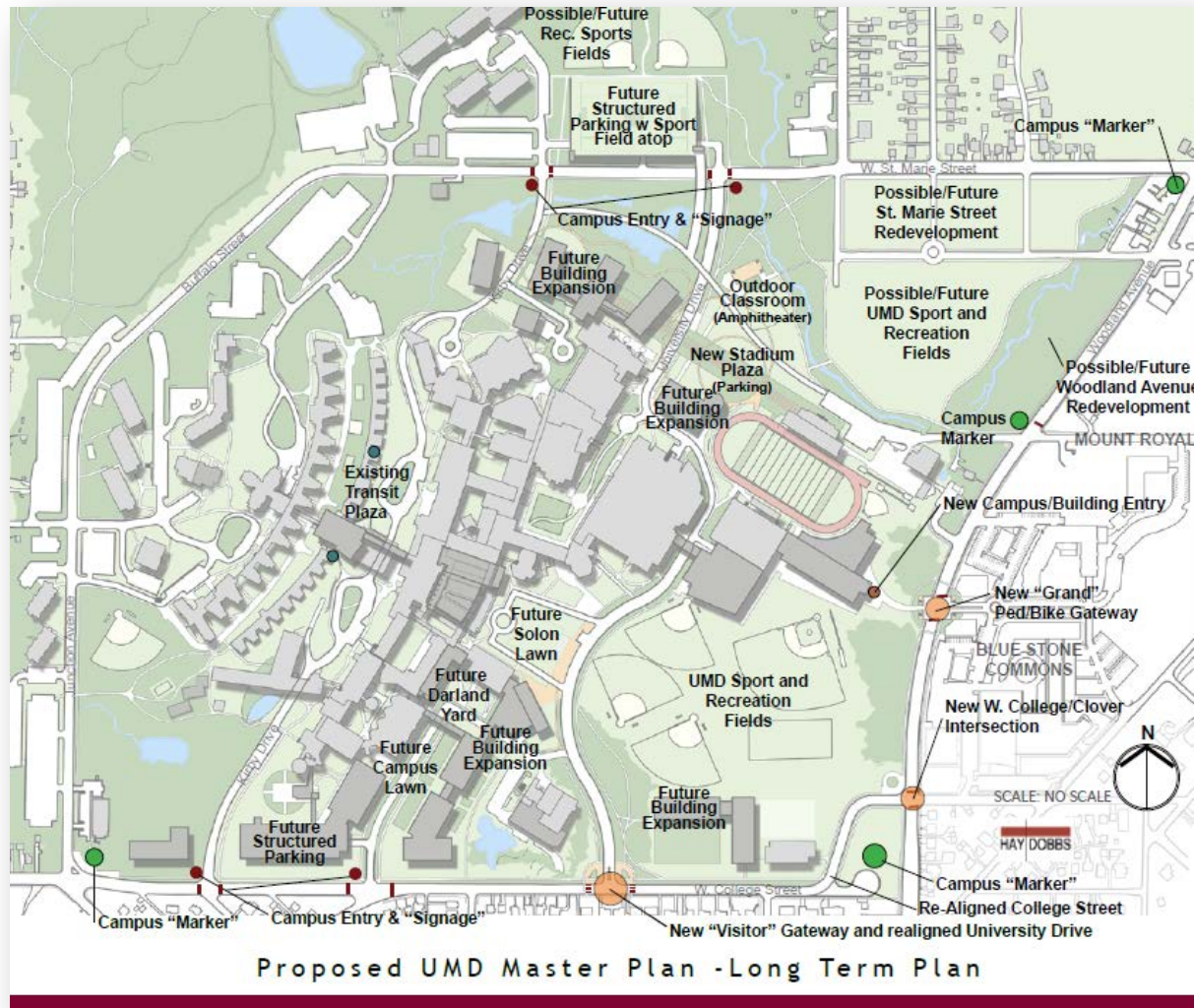


Long Term Diagram

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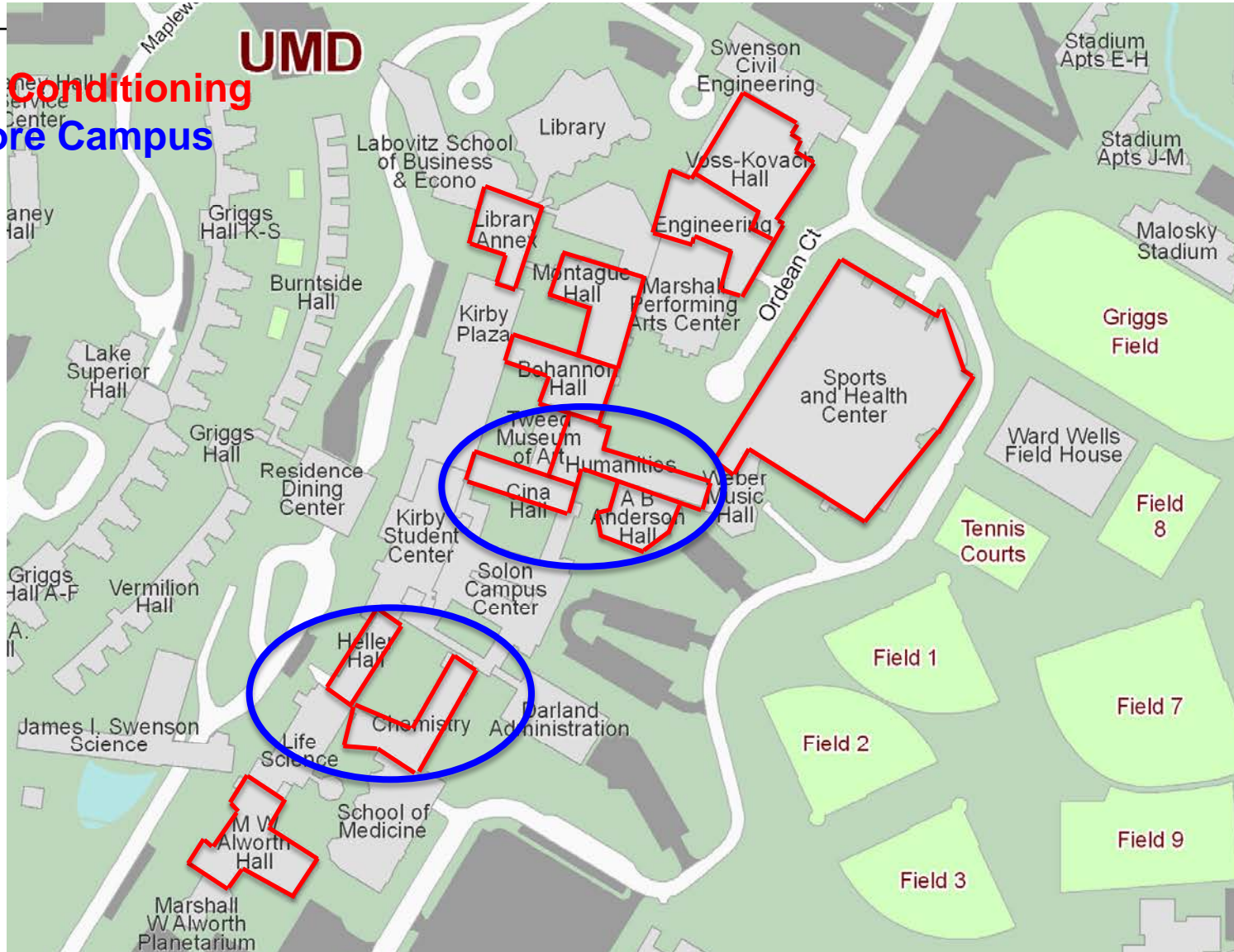


Classroom Capacity

- **UMD Capacity Analysis shows 86% at Primetime**
 - Above 80% is considered a “bottleneck” and is unsustainable
- **Years of growth outpaced classroom capacity**
- **Few classrooms for >50 students**
- **Some smaller classrooms could be used to aid in drastic need for office and lab space**
 - Growth in STEM limited by lab space, not by qualified applicants
- **What we have already implemented**
 - Expanded day to 10pm for scheduling
 - Conversion of conference rooms temporarily to groups of offices
 - Shared offices for faculty and staff
 - Use of offices for faculty and staff on leave or sabbatical

HEAPR Priorities

No Air Conditioning
Old Core Campus



Future Capital Projects

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- **Integrated Learning Hub (ILH):**
 - Provides students with active learning opportunities
 - Houses the American Indian Learning Resource Center (AILRC), which will integrate the AILRC with the entire UMD campus and regional community
 - Allows UMD to expand its offerings to students, staff, faculty and community members, leading to improved recruitment and retention efforts
- **Kirby Student Center Expansion:**
 - Provides space for quality student programming, social spaces and active study spaces for students
 - Serves as an additional meeting and event facility
 - Integrates food/dining services and other campus services
- **Chemistry/Material Science Building:**
 - Provides hands-on experiences for students
 - Gives undergraduate and graduate students additional research opportunities to better train and prepare them for leading-edge interdisciplinary science and engineering fields
 - Allows faculty members to compete for research funds in new areas

Strategic Alignment

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In conclusion, UMD's Updated Master Plan...

- provides the flexible framework to accommodate change.
- takes into account the goals of UMD's Strategic Plan.
- guides future land use and development decisions.
- helps prioritize capital projects.
- aligns with the campus's mission and vision.
- supports the economic development needs of the region.



THOSE WHO CAN,

Duluth

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Additional Information

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Classroom Capacity

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- **Capacity Analysis by Ad Astra for UMN system**
 - UMD at highest % capacity of all UMN campuses (80% target):
 - **UMD 86% during Primetime (M-Th, 10 am - 4 pm) vs. UMTC 68%**
 - **All hours, UMD 55% vs. UMTC 45%**
- **Bottlenecks (many at 100% capacity) in over half of classrooms with 50+ capacity from 8am-9pm**

UMD Classroom Utilization by room capacity

SEATS	ROOMS	PRIME ROOM HRS.	PRIME UTILIZATION	PRIME RATIO
1 – 24	3	35.50	49.31%	50.00%
25 – 49	43	861.73	83.50%	53.04%
50 – 74	19	426.00	93.42%	53.15%
75 – 125	3	65.00	90.28%	57.27%
125+	9	197.85	91.60%	55.12%
Total	77	1,586.08	85.83%	53.41%

Classroom Space Need

- **Growth in student numbers for many years and limited resources**
 - Smaller classes no longer possible in many cases
 - 60% of classroom inventory seats fewer than 50 students
 - Need for many more sections due to lack of availability of 50+ seat rooms
- **Out of date classroom setups for incorporating active learning**
 - 1 available and 2 in progress
- **Some smaller classrooms could be used to aid in drastic need for office and lab space**
 - Growth in STEM limited by lab space, not by qualified applicants
 - No swing space
 - Start of fall 2012 without office space for incoming faculty
- **What we have already implemented**
 - Move many core classes to 4-10 pm and 8-10 am
 - Conversion of conference rooms temporarily to groups of offices
 - Shared offices for faculty and staff
 - Use of offices for faculty and staff on leave or sabbatical
 - Storage moving off of campus



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