

CAMPUS FORUM

April 24, 2012

Strategic Plan

- Approved by Board of Control on July 16, 2009
 - ✓ Major Goals Remain Same
 - People
 - Distinctive Education
 - Research/Scholarship/Creativity
- <http://www.mtu.edu/stratplan/>

Strategic Plan Review Timeline, 2012

Preliminary

- Executive Team – January, 2011
- Senate Executive Committee – February 9, 2011
- VPAdmin Direct Reports – February 16, 2011
- VPR Direct Reports – February 21, 2011
- Academic Deans Council – February 25, 2011
- USG/GSG – March 3, 2011
- VPSA, CFO, and VPGR Direct Reports – March 3, 2011
- Senate Review of Existing Plan - March 3, 2011
- Staff Council – May 18, 2011

Review

- Executive Team Retreat – June 20, 2011
- Public Comment Period – September, 2011
- Deans Retreat to Review/Revise – September 2011
- Exec Team Retreat to Review/Revise Dean's Revision – October, 2011
- Initial Meeting with Chairs and Deans to Review Deans/ET Draft – October, 2011
- Informal Review with BOC – December, 2011
- Campus Comment Period – January-February, 2012
- Consolidation of Comments - February, 2012
- ET/Deans Evaluation of Comments – March, 2012
- BOC Review – March, 2012
- Final BOC Approval – April, 2012

Vision for 2035:

**Premier Technological Research University
of International Status**

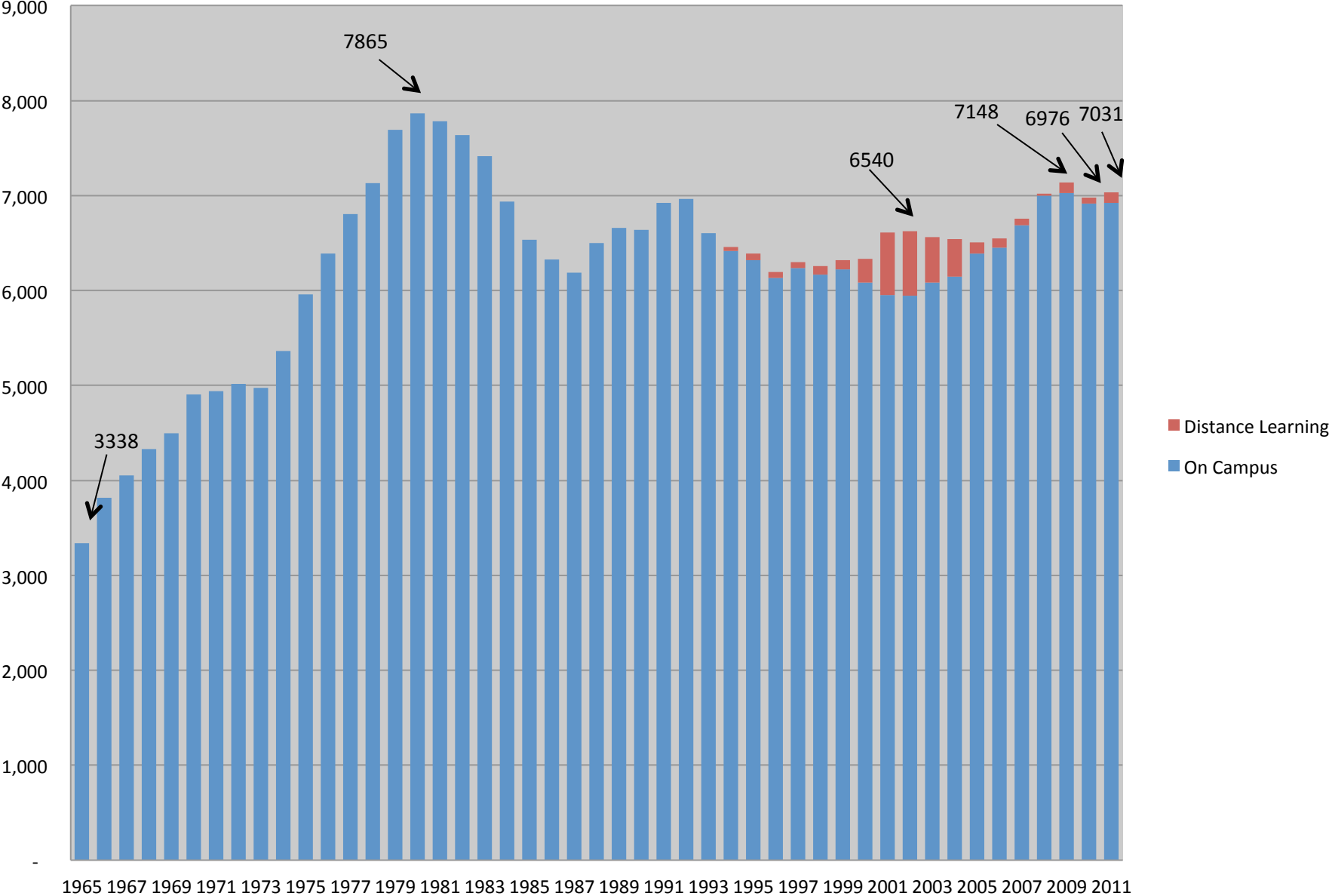
Portrait of Michigan Tech 2035

Strong Partner in Change for Michigan, the US, and the World

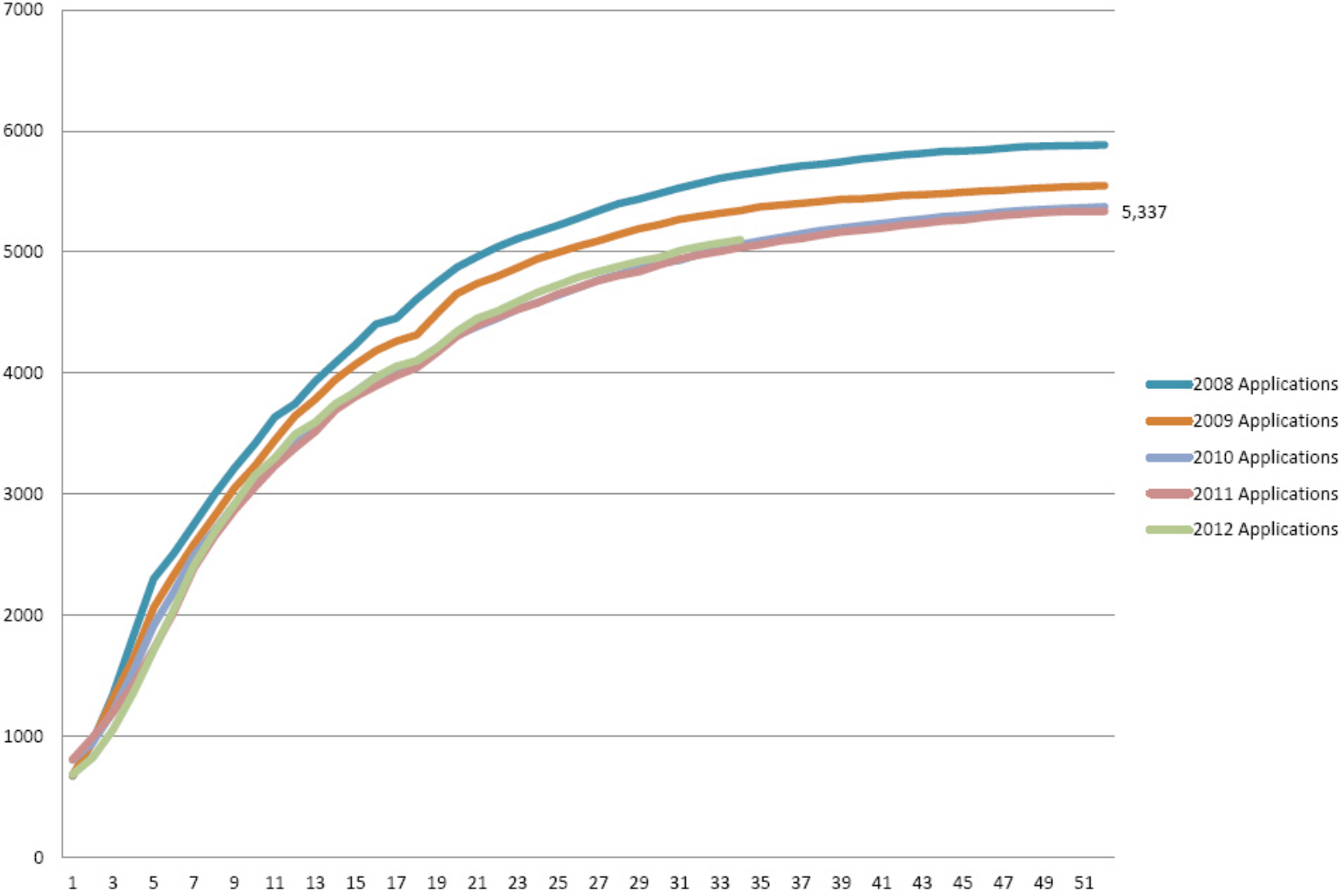
1. Internationally competitive faculty – 40% in endowed positions
2. Student body of 8750-\$500 million scholarship endowment
 - 5750 Undergraduates
 - 2000 Masters
 - 1000 PhD students
 - 40% Female and Top 10 for engineering undergraduate degrees granted to women
3. Global literacy and communication skills in a variety of media as a prominent part of education
4. Transformational education in a residential based technologically rich learning environment
5. Recognized nationally and internationally for research development and innovation
6. Sustainable financial model with less reliance on state funding
7. University culture is entrepreneurial with high quality services that are efficient, responsive and sustainable
8. Year-round calendar

ENROLLMENT

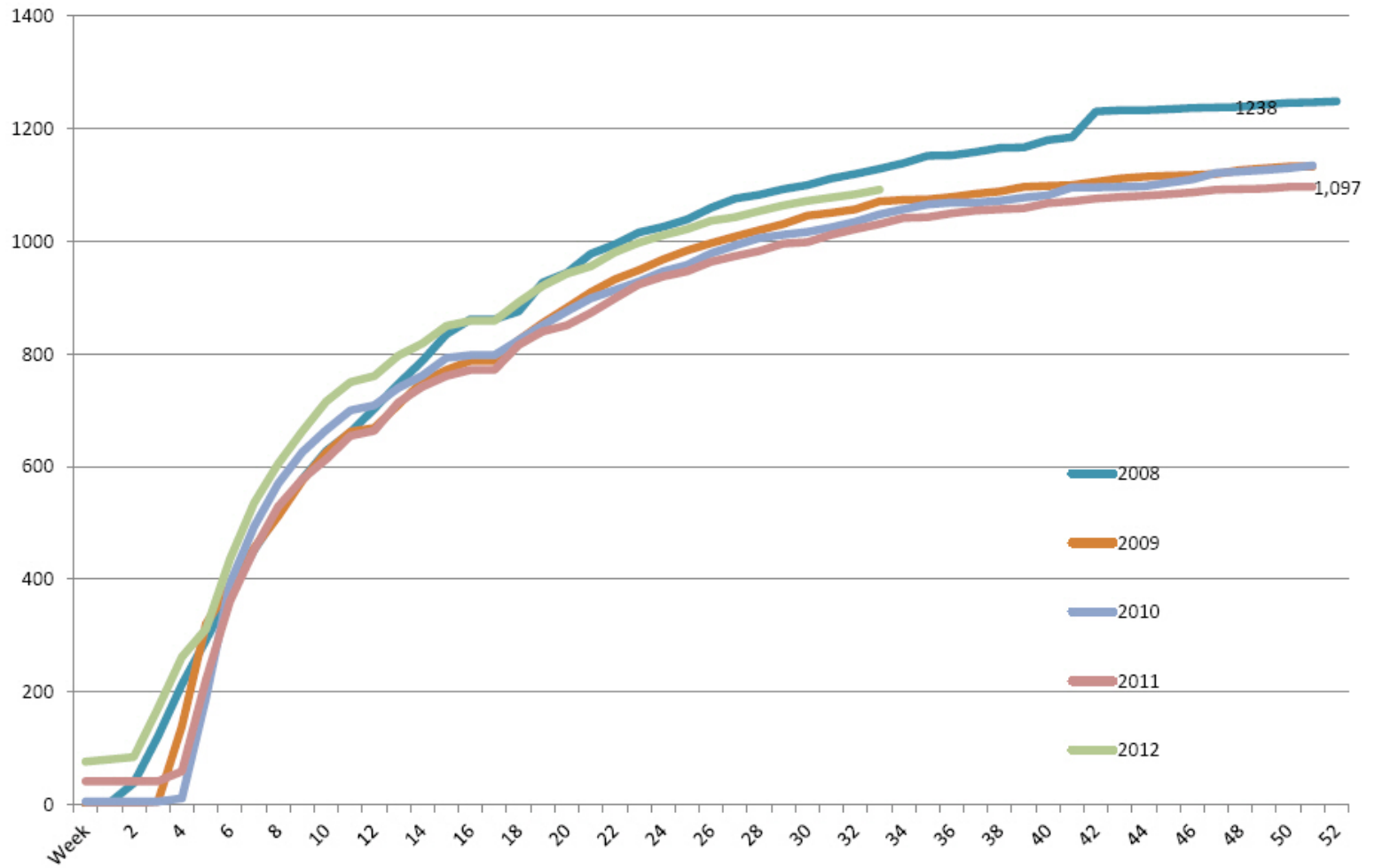
Fall Enrollment 1965-2011



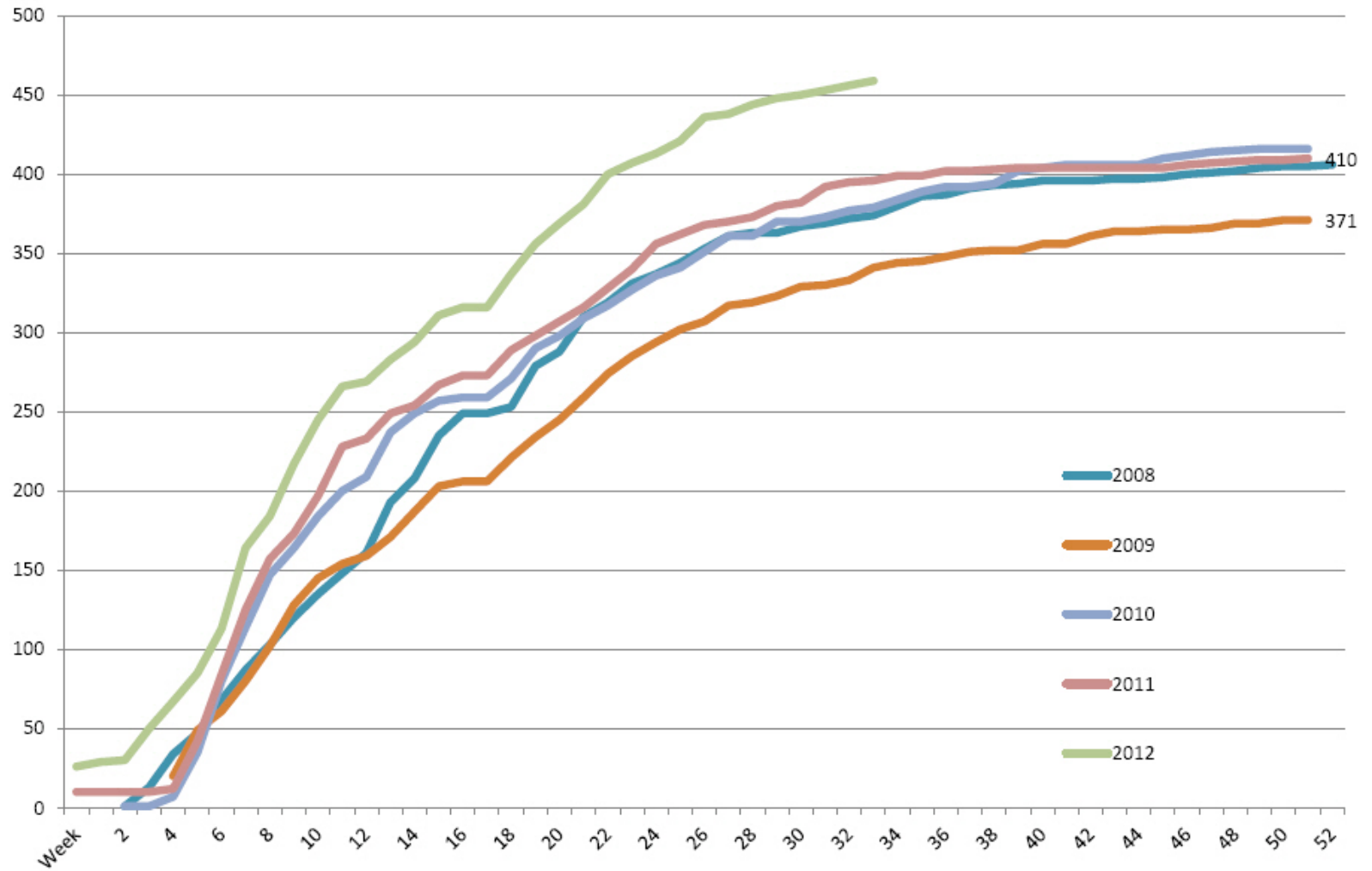
Total Applications



Female Accepted Applications



Domestic Minority Accepted Applications



FINANCES

CURRENT FUND FY12

(in Thousands)

	<u>Original Projection</u>	<u>3rd Qtr Projection</u>
Revenue	\$ 250,574	\$ 252,233
Expense	\$ (250,531)	\$ (252,911)
	<hr/>	<hr/>
Net Income	<u>\$ 43</u>	<u>\$ (678)</u>
	<hr/>	<hr/>
Current Fund Balance	<u>\$ 16,123</u>	<u>\$ 15,402</u>

Note: Current Fund includes General Fund, Designated Fund, Auxiliaries, Retirement and Insurance, and the Expendable Restricted Funds.

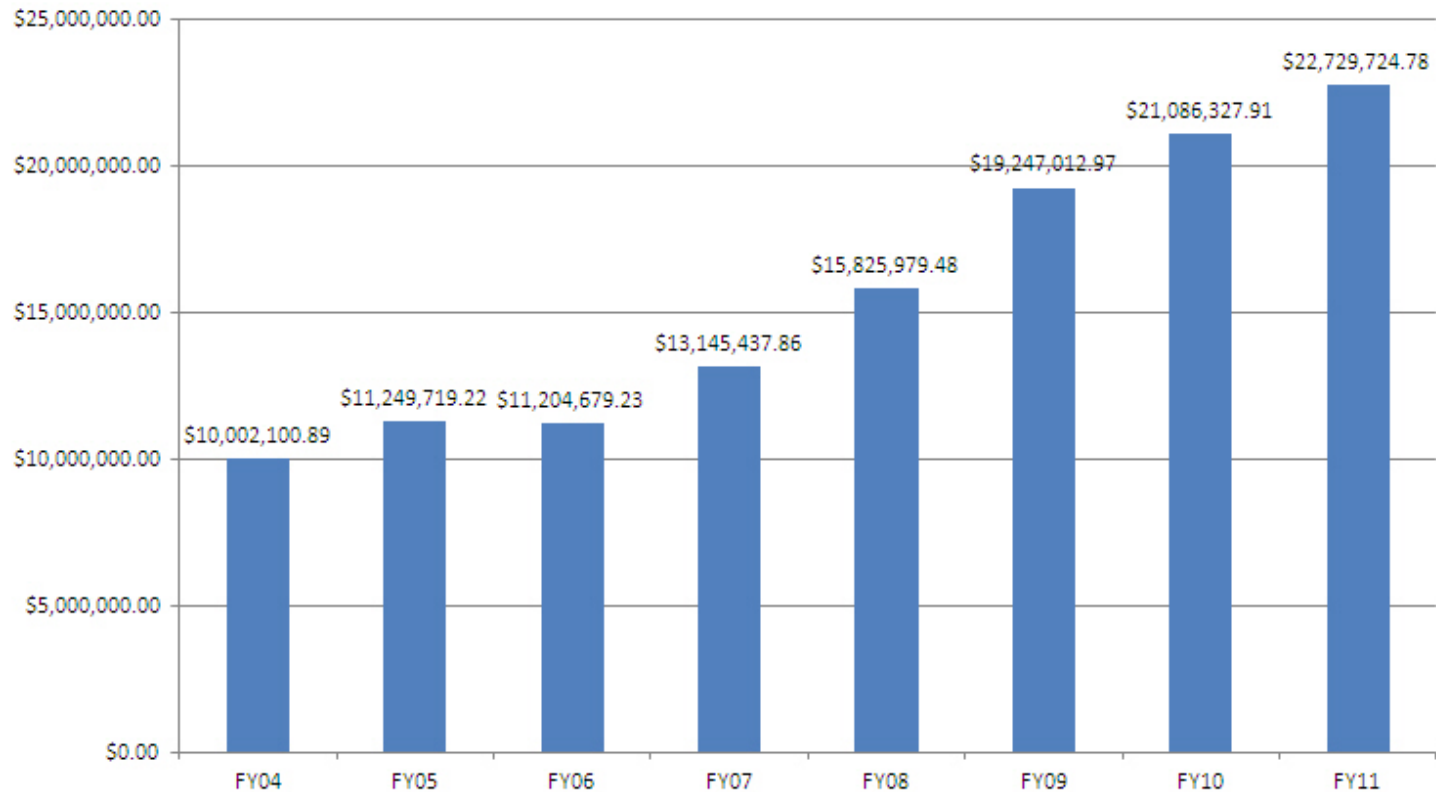
CURRENT FUND BALANCES

(in Thousands)

	<u>Balance</u> <u>06/30/10</u>	<u>Balance</u> <u>06/30/11</u>	<u>Projected</u> <u>Balance</u> <u>06/30/12</u>
TOTAL CURRENT FUND BALANCE	\$ 15,313	\$ 16,080	\$ 15,402
LEGALLY RESTRICTED FUNDS	<u>(2,692)</u>	<u>(2,809)</u>	<u>(3,967)</u>
UNRESTRICTED CURRENT FUND BALANCE	<u>\$ 12,621</u>	<u>\$ 13,271</u>	<u>\$ 11,435</u>

FY04 to FY 11 General Fund Scholarship and Grant Expenditures

General Fund Scholarship and Grant Expenditures



Financial Aid Eliminations

(Since 2008-09)

Federal:

- American Competitiveness Grant (ACG)
- National Science and Mathematics Access to Retain Talent Grant (SMART)
- Summer Pell Grant program
- Robert C. Byrd

Financial Aid Eliminations

(Since 2008-09)

State:

- Michigan Work Study
- Michigan Work Study-Graduate
- Michigan Promise
- Michigan Educational Opportunity Grant (MEOG)
- Michigan Adult Part Time Grant

Financial Aid Reductions

(Since 2008-09)

State:

- Michigan Competitive

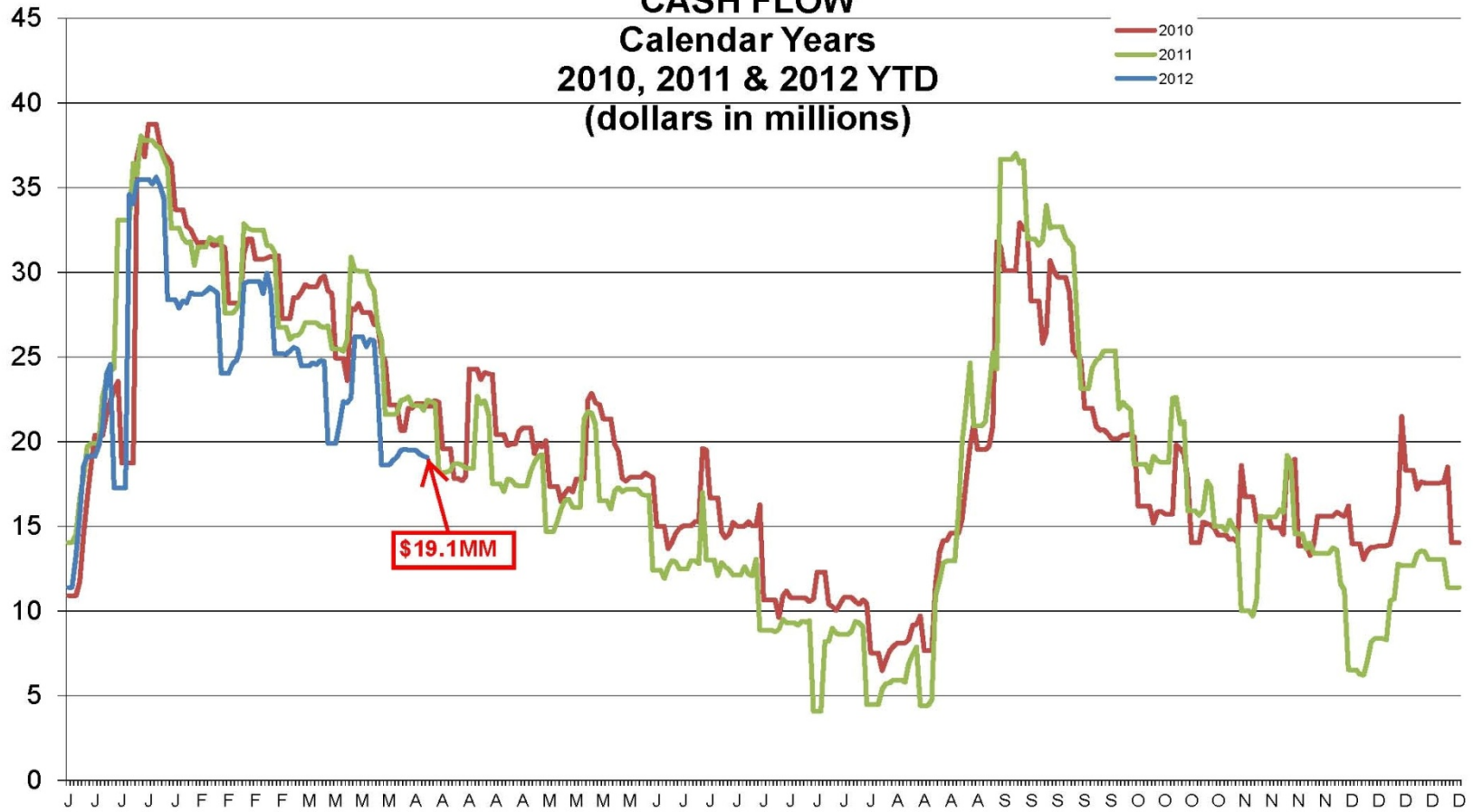
Financial Rating

- Aa3 – Financial Rating by Moody's
Investors Services
(Issued March 28, 2012)

CASH FLOW

Calendar Years 2010, 2011 & 2012 YTD

(dollars in millions)



FY13 Budget

- Will not be approved at this Board meeting

STATE BUDGET

Three Major Uncertainties

- Actual Appropriation
- Tuition Cap
- Proposed Changes in Tuition Calculation

Proposed 2013 State Appropriation

	Governor		House		Senate	Current
Base	\$40.73M		\$40.73M		\$41.34M	
Formula/ Incentive	\$803k		\$1.3M		\$441k	
Gross Appropriation	\$41.53M		\$42.01M		\$41.79M	\$40.73M
Percent Change from Current Appropriation	+2%		+3.1%		+2.6%	
Tuition Cap	4%		1.2%		3.5%	

Tuition & Fee Calculation Change?

Now: Most Common In-State Rate

Proposed: Average In-State Rate

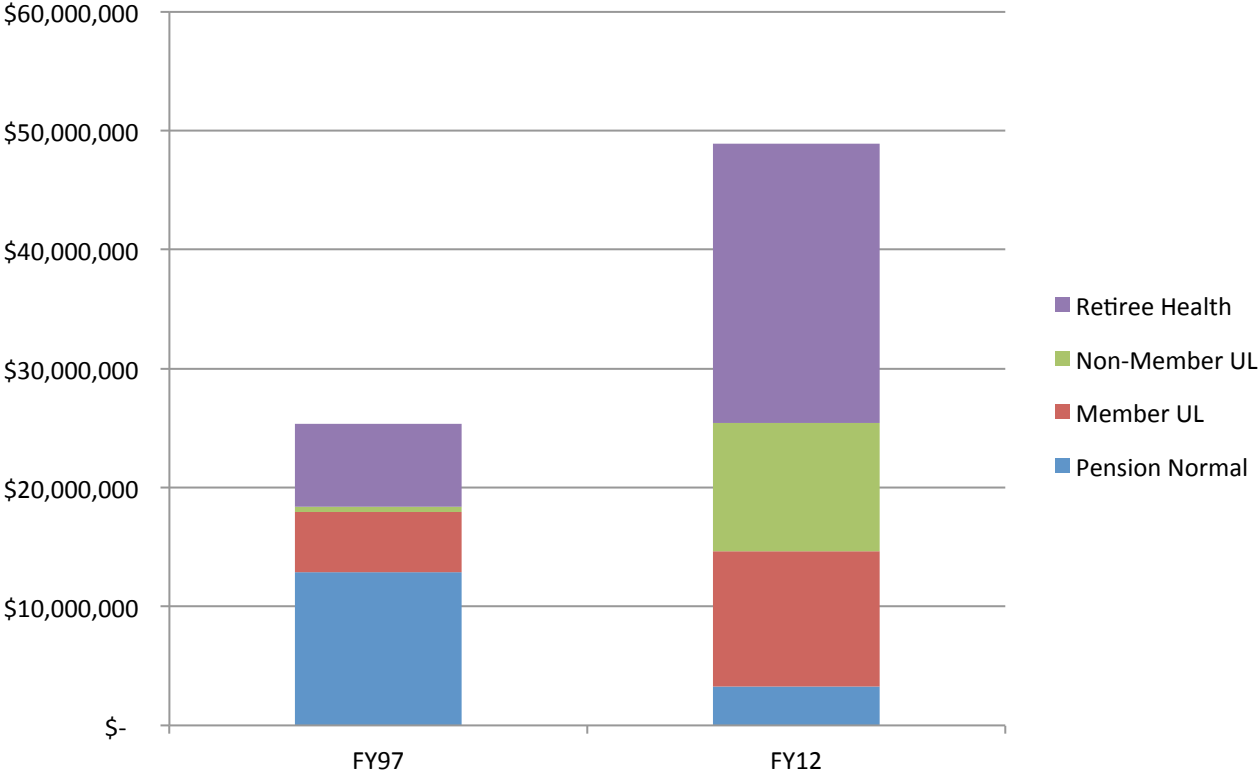
Tuition Billing

- By Credit or 12-18 credits?
- Engineering & Computer Science Tuition and Fee to “Tuition”

Michigan Public School Employees' Retirement System (MPERS)

	<u>Payroll</u>	<u>Fringes</u>
FY97	\$15.2M	\$2.7M
FY12	\$10.5M	\$5.6M

Michigan Public School Employees' Retirement System (MPERS)



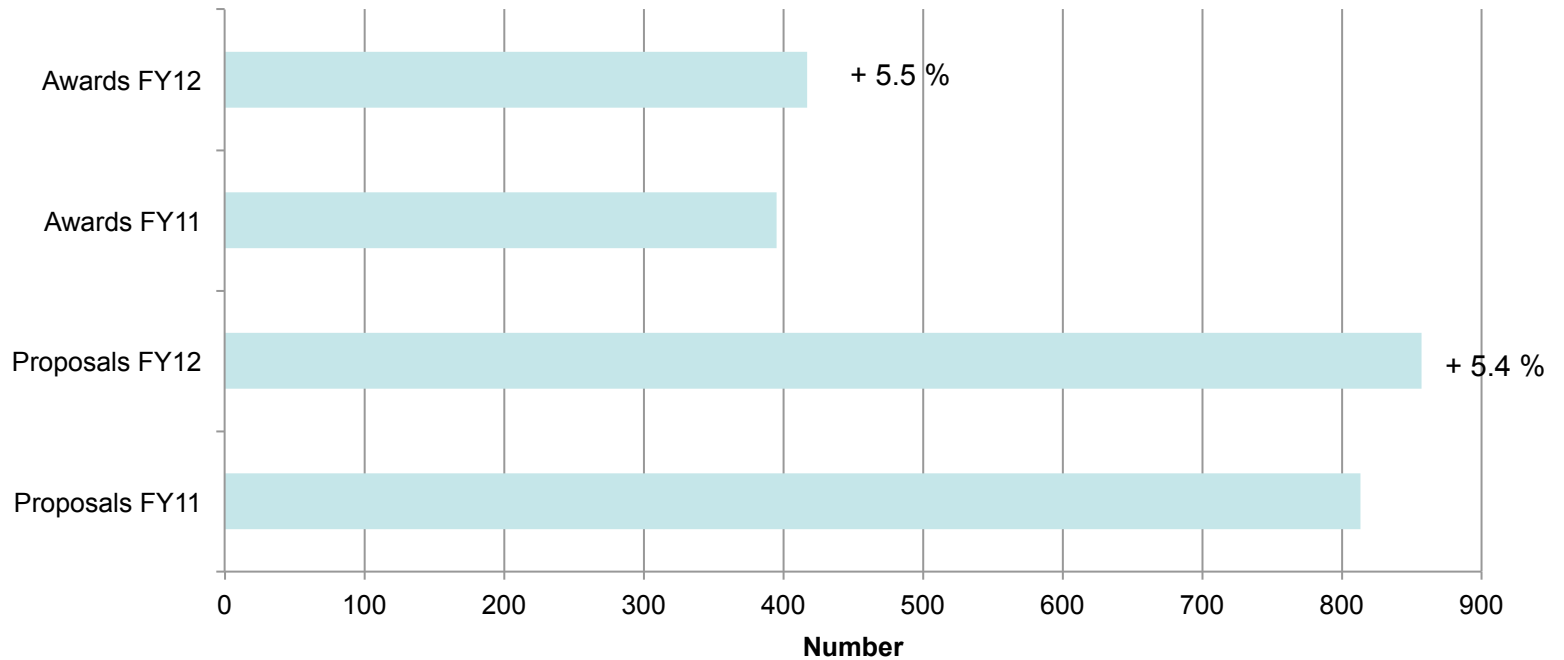
Health Care

- Benefits Liaison Group (BLG), plus President, and Vice President for Research working with Aon Hewitt on 3-5 year strategy for 2013 and beyond.
 - Met in January & March
 - Planning Session in May to develop a multi-year road map.

RESEARCH

3rd Quarter, FY2012 Awards

3rd Quarter, FY2012



3rd Quarter FY2012 Sponsored Program Award Update

- Both numbers of proposals and awards increased by about 5.5% through the 3rd Quarter of FY2012 over the same point in FY2011.
- Awarded funds, though decreased by 30.6% through the 3rd Quarter of FY2012 compared to FY2011.

3rd Quarter FY2012 Update

Intellectual Property

- Invention disclosures through the 3rd Quarter are up 21.9% over FY2011 to a total of 39.
- Patents file or issued total 16, 6.7% over FY2011.
- There were 11 executed license agreements, up 22.2% over FY2011
- Royalty income was \$210,337, down 6.3% from FY2011.

ACADEMICS

Tenure and Promotion 2012

12 promotions to Associate Professors with tenure (4 women)

9 promotions to Full Professor (2 women)

2 tenured at current rank

3 appointments with tenure

2 promotions to Senior Lecturer

Associate Professors with Tenure

Simon Carn	Geological & Mining Engineering & Sciences
Alexsey Smirnov	Geological & Mining Engineering & Sciences
Reza Shahbazian Yassar	Mechanical Engineering-Engineering Mechanics
Shari Stockero	Cognitive & Learning Sciences
Ali Ebnenasir	Computer Science
Robert Pastel	Computer Science
Marika Seigel	Humanities
Melissa Keranen	Mathematical Sciences
Samuel Sweitz	Social Sciences
Rodney Chimner	School of Forest Resources & Environmental Science
Oliver Gailing	School of Forest Resources & Environmental Science
Audrey Mayer	School of Forest Resources & Environmental Science

Full Professor

Andrew Burton	SFRES
Sean Kirkpatrick	Biomedical Engineering
Faith Morrison	Chemical Engineering
Judith Perlinger	Civil & Environmental Engineering
David Watkins	Civil & Environmental Engineering
Jaroslav Drelich	Materials Science & Engineering
Yun Hang Hu	Materials Science & Engineering
Dean Johnson	School of Business & Economics
Christopher Webster	SFRES

Tenured at Current Rank

Associate Professor with Tenure:

- Paul Ward Cognitive & Learning Sciences

Professor with Tenure:

- Saeid Nooshabadi Electrical and Computer Engineering

Promotion

Promotion from Senior Lecturer to Principal Lecturer:

- Glen Archer Electrical & Computer Engineering

Promotion from Lecturer to Senior Lecturer:

- Philip Kendall Mathematical Sciences
- Emanuel Castro Oliveira School of Business & Economics

Tenured and Tenure Track Faculty Growth

2007

310

2009

329

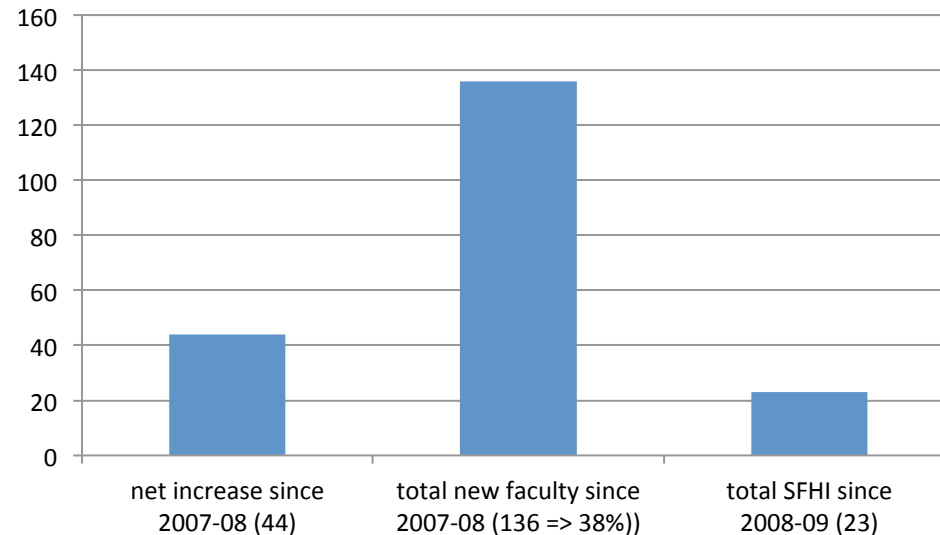
2011

354

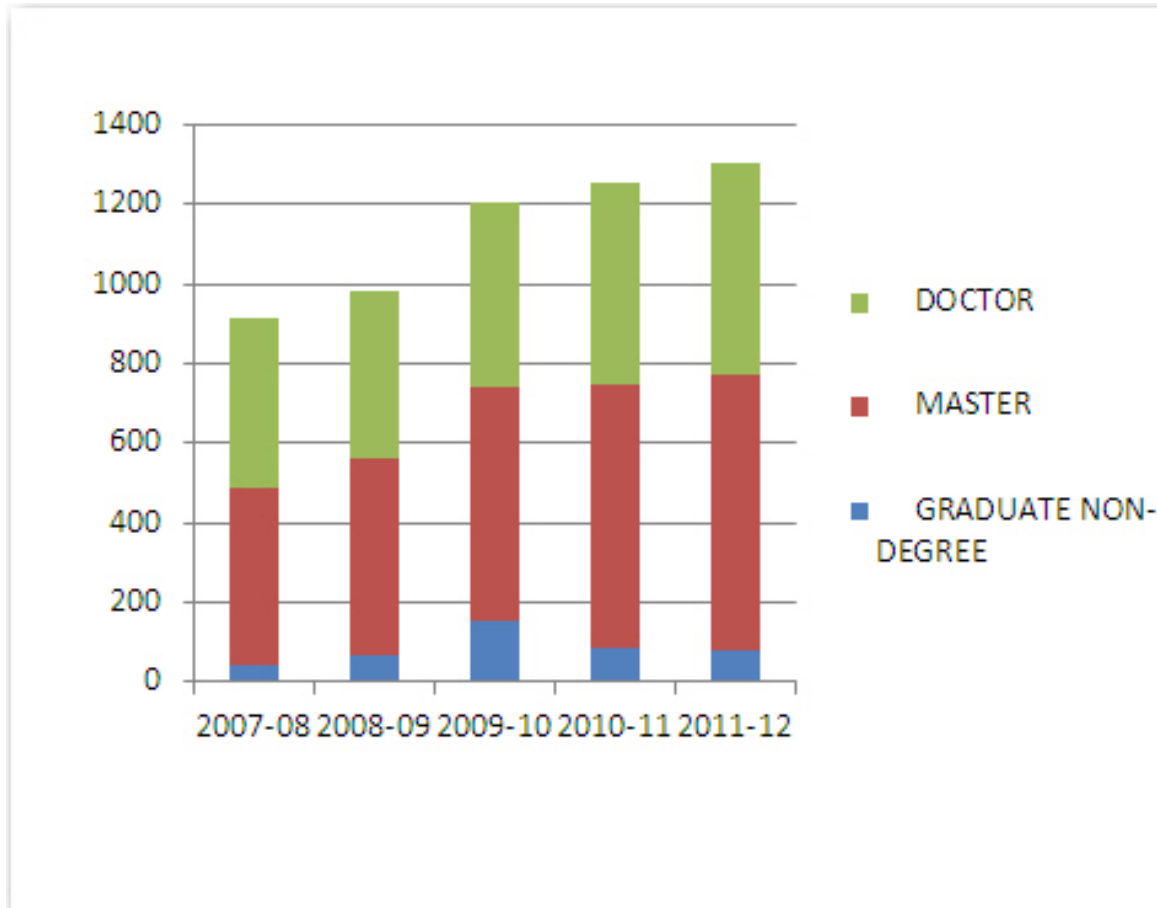
Faculty Hires Over Past Five Years

net increase since	2007-08	44
total new faculty since	2007-08 (136/354 => 38%)	136
total SFHI since	2008-09	23

- -> **38% of all current faculty has been hired in the last 5 years**
- -> **17% of all new hires are SFHI**



Graduate Student Growth



New Degree Programs

- Accelerated Master's Program Framework
- Non-Departmental Ph.D. Program in Biochemistry and Molecular Biology
- Master's Program and Accelerated Master's Program in Biomedical Engineering
- Master of Science in Medical Informatics
- Bachelor of Arts in Physics
- Bachelor of Arts in Physics with a Concentration in Secondary Education
- Bachelor of Science in Engineering Management
- Bachelor of Science in Engineering (meets requirements for a mining engineering degree)

Higher Learning Commission (HLC)

- ✓ HLC is accreditation agency for universities nationwide
- ✓ Michigan Tech's Quality Checkup Visit occurred in March
- ✓ Michigan Tech meets all five criteria for accreditation, as well as Federal Compliance Requirements

AQIP

Higher Learning Commission

Active Action Projects

Title Michigan Tech	Title AQIP	Kickoff Date	Expected Completion Date	Status
Gender Diversity	Increase Gender Diversity of Faculty & Students	Sept 20, 2010	Sept 20, 2012	Active
Professional Development	Create a systematic employee development process	October 12, 2010	May 31, 2012	Active
Student Success	Improving Undergraduate Student Success	September 2011	September 2012	Active

Professional Development Initiatives

- Professional Development Program
 - Started in October 2010
 - For Departmental Coordinators and Assistants
 - First Cohorts to Graduate in June 2012
 - Shannon Brodeur
 - Alane Isaacson
 - Amie Ledgerwood
 - Patti Myllyoja
 - Renee Ozanich
 - Lois Sedar
 - Ginger Sleeman
 - Heather Soukas

Professional Development Initiatives

- Professional Development Day
 - May 10, 2012
 - 32 Sessions Available

Professional Development Initiatives

Federal Mediation & Conciliation Service Grant

- Improve labor-management relations and communication by implementing a “Lean” culture model

Federal Mediation & Conciliation Service Grant

- Grant Supports 2 cohorts for in-depth training
 - Lean Facilitators (half union; half management)
 - Maureen Anton
 - Derrick Butkovich
 - Laura Givens
 - Shellie Hubert
 - Alane Isaacson
 - Amie Ledgerwood
 - Tanya Maki
 - Rhonda McClellen
 - Carole Noonan
 - Kari Pietrzyk
 - Julie Ross
 - Kerri Sleeman
 - Marty Smith
 - Shane Sullivan
 - Kathy Wardynski
 - Rachel Wussow
 - Lean Implementation Leaders
 - Karla Aho
 - Julie Blair
 - Wendy Jones
 - Jada Gullstrand
 - Jarrod Karau
 - Gregg Richards
 - Cayce Will

Professional Development Initiatives

Supervisor Training Modules

- Managers and Supervisors
 - Sponsored by Affirmative Action and Human Resources
 - Began in March 2012

- Six Modules
 - Topics will range from recruiting and hiring to maximizing performance to day-to-day supervision

AQIP Project: Increasing Gender Diversity of Faculty & Students

Five interrelated projects:

1. Communication campaign: Develop and communicate gender/diversity goals to all stakeholders.
2. Improve brand awareness of Michigan Tech among females in external environment.
3. Improve processes for recruiting and mentoring female faculty (ADVANCE)
4. Improve processes for recruiting female students.
5. Improve processes for advising and mentoring female students.

Undergraduate gender diversity recruitment

- Female undergraduate marketing campaign to launch summer 2012.
- Bought over 25,000 names of high school junior females nationwide interested in Michigan Tech programs for targeted, segmented marketing.
- Offering bi-annual Michigan Tech Leadership Institute for high school junior women—24 participating in May.
- Regional Admissions Managers focusing on recruitment outreach specifically to women.



My roommate is XXtraordinary

Because she was accepted everywhere she applied – and chose to come to the crazy, snowy U.P. instead of going to Princeton. Because she's the only girl in her Advanced Algorithms class (and the only one getting an "A"). Because she's never missed a dogwalking date with the Copper County Humane Society. Because she makes butterscotch brownies for our whole floor, every single week. Because she's like all the other women at Michigan Tech: smart, cool, brave, kind, FEARLESS!

Get to know the extraordinary women of MTU at: www.facebook.com/xxtraordinarywomen

Want to see MTU for yourself? Email admissions@mtu.edu or call 888 688 1885. We'd love to show you around!

XXQ XXtraordinary Women
of Michigan Tech

Michigan Tech
Create the Future

mtu.edu

College of Engineering

Dr. William M. Worek

- July 1 Appointment
- Title includes Dave House Professor
- Fellow of ASME and American Society of Heating, Refrigerating and Air-Conditioning Engineers
- Former director of UIC's Energy Resources Center



School of Forest Resources and Environmental Science



Dr. Terry Sharik

- July 1 Appointment
- Fellow-Society of American Foresters
- Former Head of Dept. of Forest Resources and Environment and Society-Utah State
- Former professor at Michigan Tech and Senate President

School of Business & Economics

- In Process

Great Lakes Research Center



Guy Meadows

- Director of Great Lakes Research Initiatives
- Former Professor of Applied Ocean Physics and Director of the Ocean Engineering Laboratory at the University of Michigan
- Served as Academic Director of the College's M-STEM Academy
- June 1 appointment

CAPITAL CAMPAIGN

MICHIGAN TECHNOLOGICAL UNIVERSITY
Generations of Discovery
Campaign Progress Summary
as of April 17, 2012

Alumni & Friends	\$113,848,243
Corporations	47,881,359
Private Foundations	2,581,575
Gifts-in-Kind	<u>5,884,833</u>
Grand Total	<u><u>\$170,196,010</u></u>

DRAFT

Michigan Technological University
Generations of Discovery
Campaign Breakdown
As of April 17, 2012

• Facilities	\$ 7.2M
• Scholarships/Fellowships	26.6M
• Chairs & Professorships	34.9M
• Depts. Program Support/Ops.	50.7M
• Unrestricted or undesignated	5.2M
• Research	<u>45.6M</u>
TOTAL	\$170.2M

Great Lakes Research Center

(Your Name Here)

It's Ours!

Dedication

- August 2



Michigan Tech

Create the Future



Commencement Speaker

Martha Sullivan '85

President and COO

Sensata Technologies

Questions