CAMPUS FORUM

December 1, 2011
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
  o Posting of Deans/ET Draft
  o Chairs/Deans Review with Units
  o Meeting with Senate
  o Meeting with Staff Council
  o President’s Campus Forum
• Other Stakeholder Comment Period - January-February, 2012
• Consolidation of Comments - February, 2012
• ET/Deans Evaluation of Comments – March, 2012
• BOC Review – March, 2012
• Final BOC Approval – May, 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. World Class faculty – 40% in endowed positions
2. Student body of 8750
   – 5750 Undergraduates
   – 3000 Graduate
   - 40-50% Female Enrollment
3. Global literacy and communication skills in a variety of media will be a prominent part of education
4. High tech/high touch, residential based transformational education
5. Recognized nationally and internationally as a catalyst for research development and innovation at all levels of learning
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
Endowment Value

Endowment Balance in Millions

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>2007-08</th>
<th>2008-09</th>
<th>2009-10</th>
<th>2010-11*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Endowment Balance (in Millions)</td>
<td>$78.61M</td>
<td>$63.77M</td>
<td>$68.94M</td>
<td>$79.04M</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Endowment (In Millions)</td>
<td>80</td>
<td>95</td>
<td>105</td>
<td>120</td>
</tr>
</tbody>
</table>

Michigan Tech
Create the Future
ENROLLMENT
## Fall 2012 Undergraduate Recruitment Update

<table>
<thead>
<tr>
<th></th>
<th>2011</th>
<th>2012</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total apps</td>
<td>3,520</td>
<td>3,566</td>
<td>46</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.3%</td>
</tr>
<tr>
<td>Accepts</td>
<td>2,391</td>
<td>2,454</td>
<td>63</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2.6%</td>
</tr>
<tr>
<td>Deposits</td>
<td>239</td>
<td>201</td>
<td>-38</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>-15.9%</td>
</tr>
</tbody>
</table>

November 27, 2011
## Fall 2012 Graduate Recruitment Update

<table>
<thead>
<tr>
<th></th>
<th>2011</th>
<th>2012</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Applications</td>
<td>456</td>
<td>501</td>
<td>45</td>
</tr>
<tr>
<td>Accepts</td>
<td>23</td>
<td>29</td>
<td>6</td>
</tr>
<tr>
<td>International Accepts</td>
<td>39</td>
<td>25</td>
<td>-14</td>
</tr>
</tbody>
</table>

November 27, 2011
Fall '11 Career Fair Results

- Registrants: 245, up 34%
- Representatives: 720
- Students: 3600
- Interview Schedules: 323
- Total Interviews: 4200+
- Interns: 140, Co-ops: 97, Employees: 199
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
FINANCES
### GENERAL FUND AND CURRENT FUND FY12
### First Quarter Projections
#### (in Thousands)

<table>
<thead>
<tr>
<th></th>
<th>General Fund</th>
<th>Current Fund</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revenue</td>
<td>$161,152</td>
<td>$252,241</td>
</tr>
<tr>
<td>Expense</td>
<td>$(159,330)</td>
<td>$(250,722)</td>
</tr>
<tr>
<td>Net Income</td>
<td>$1,822</td>
<td>$1,519</td>
</tr>
</tbody>
</table>

**Fund Balances**

<table>
<thead>
<tr>
<th></th>
<th>General Fund</th>
<th>Current Fund</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$(9,177)</td>
<td>$17,599</td>
</tr>
</tbody>
</table>

**Note:** Current Fund includes General Fund, Designated Fund, Auxiliaries, Retirement and Insurance, and the Expendable Restricted Funds.
CURRENT FUND FY12  
(in Thousands)

<table>
<thead>
<tr>
<th></th>
<th>Original Projection</th>
<th>1st Qtr Projection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revenue</td>
<td>$ 250,867</td>
<td>$ 252,241</td>
</tr>
<tr>
<td>Expense</td>
<td>$(250,825)</td>
<td>$(250,722)</td>
</tr>
<tr>
<td>Net Income</td>
<td>$ 42</td>
<td>$ 1,519</td>
</tr>
<tr>
<td>Current Fund Balance</td>
<td>$ 16,122</td>
<td>$ 17,599</td>
</tr>
</tbody>
</table>

Note: Current Fund includes General Fund, Designated Fund, Auxiliaries, Retirement and Insurance, and the Expendable Restricted Funds.
## CURRENT FUND BALANCES
*(in Thousands)*

<table>
<thead>
<tr>
<th></th>
<th>Balance 06/30/10</th>
<th>Balance 06/30/11</th>
<th>Projected Balance 06/30/12</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL CURRENT FUND BALANCE</td>
<td>$15,313</td>
<td>$16,080</td>
<td>$17,599</td>
</tr>
<tr>
<td>LEGALLY RESTRICTED FUNDS</td>
<td>(2,692)</td>
<td>(2,809)</td>
<td>(3,129)</td>
</tr>
<tr>
<td>UNRESTRICTED CURRENT FUND BALANCE</td>
<td>$12,621</td>
<td>$13,271</td>
<td>$14,470</td>
</tr>
</tbody>
</table>
CASH FLOW
Calendar Years
2010 & 2011 YTD
(dollars in millions)
CAPITAL CAMPAIGN
### Campaign Progress Summary

as of October 31, 2011

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alumni &amp; Friends</td>
<td>$103,744,417</td>
</tr>
<tr>
<td>Corporations</td>
<td>43,953,838</td>
</tr>
<tr>
<td>Private Foundations</td>
<td>2,575,330</td>
</tr>
<tr>
<td>Gifts-in-Kind</td>
<td>5,057,294</td>
</tr>
<tr>
<td><strong>Grand Total</strong></td>
<td><strong>$155,330,879</strong></td>
</tr>
<tr>
<td>Category</td>
<td>Amount</td>
</tr>
<tr>
<td>--------------------------------------</td>
<td>----------</td>
</tr>
<tr>
<td>Facilities</td>
<td>$7.2M</td>
</tr>
<tr>
<td>Scholarships/Fellowships</td>
<td>20.3M</td>
</tr>
<tr>
<td>Chairs &amp; Professorships</td>
<td>33.9M</td>
</tr>
<tr>
<td>Depts. Program Support/Ops.</td>
<td>46.8M</td>
</tr>
<tr>
<td>Research</td>
<td>41.9M</td>
</tr>
<tr>
<td>Undesg or Unrestricted</td>
<td>5.2M</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>$155.3M</strong></td>
</tr>
</tbody>
</table>
Planned Gift Expectancy

0-1 02-05 06-10 11-15 16-20 21-25 26-30 31-60
$-  $-  $-  $-  $-  $-  $-  $-

Total
Irrevocable
Revocable
Scholarships and Retention
State Support to Universities

Public University General Fund Revenue Source History

% of Total GF Revenue

Tuition and Fees

State Appropriations

Other


Note: FY 2010-11 amounts are estimates
State Support to Universities

Historical University Appropriations per Student

Total FY 2010-11 university appropriations per FYES are 20.9 percent lower than they were in FY 2000-01—or 37.2 percent lower on an inflation-adjusted basis.
State Support to Michigan Tech

State Operation Appropriations to Michigan Technological University FY1965 through FY2012

Adjusted to FY1964 Dollars

Unadjusted, Adjusted with CPI, Adjusted with HEPI
Changes in State-Funded Financial Aid by Category

Note: Excludes federally-funded programs
## Average Family Income Michigan Tech Students

<table>
<thead>
<tr>
<th></th>
<th>2010</th>
<th>2011</th>
<th>% Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Michigan Residents</td>
<td>$ 99,830.00</td>
<td>$ 93,906.00</td>
<td>-6%</td>
</tr>
<tr>
<td>Domestic Non-Residents</td>
<td>$ 112,788.00</td>
<td>$ 110,780.00</td>
<td>-2%</td>
</tr>
</tbody>
</table>
Students’ concern about financing education

Do you have any concern about your ability to financing your college education - first year students at Michigan Tech

2002-2010 Your First College Year survey
Financial Aid % of General Fund

<table>
<thead>
<tr>
<th>Year</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>2005-06</td>
<td>11%</td>
</tr>
<tr>
<td>2006-07</td>
<td>12%</td>
</tr>
<tr>
<td>2007-08</td>
<td>13%</td>
</tr>
<tr>
<td>2008-09</td>
<td>15%</td>
</tr>
<tr>
<td>2009-10</td>
<td>16%</td>
</tr>
<tr>
<td>2010-11</td>
<td>16%</td>
</tr>
</tbody>
</table>
Michigan Tech Financial Aid by Source

- Federal
- State
- Institutional
- Tech Fund
- Total Loans

Year:
- 2004
- 2005
- 2006
- 2007
- 2008
- 2009
- 2010

Loan Amounts:
- $- to $5,000,000
- $5,000,000 to $10,000,000
- $10,000,000 to $15,000,000
- $15,000,000 to $20,000,000
- $20,000,000 to $25,000,000
- $25,000,000 to $30,000,000
- $30,000,000 to $35,000,000
- $35,000,000 to $40,000,000
- $40,000,000 to $45,000,000
- $45,000,000 to $50,000,000
Asked Noel-Levitz:

- To develop predictive modeling for retention of freshmen to sophomore
- Based on everything we know about students at the time they enroll
  - 700 fields
    - Demographic, academics, financial information, home location, etc.
- Model based on incoming freshmen Fall 07, 08, 09
- Found six factors most strongly correlated to retention
Top six factors (strength of factors)

- High School GPA (Optimal Binning): 36.4%
- Total Loan Funds: 18.8%
- Distance from Campus (Optimal Binning): 12.6%
- Subdivision or College: 12.0%
- Gender Flag: 10.2%
- ACT Math Score: 10.0%
First to Second Year Retention at Michigan Tech

- 2005: 80.6
- 2006: 81.2
- 2007: 81.9
- 2008: 82.5
- 2009: 81.8
- 2010: 81.4
- 2011: 83.3
<table>
<thead>
<tr>
<th>Type</th>
<th>2008</th>
<th>2009</th>
</tr>
</thead>
<tbody>
<tr>
<td>For Profit</td>
<td>11.6</td>
<td>15.0</td>
</tr>
<tr>
<td>Private</td>
<td>4.0</td>
<td>4.6</td>
</tr>
<tr>
<td>Public</td>
<td>6.0</td>
<td>7.2</td>
</tr>
<tr>
<td>National Average</td>
<td>7.0</td>
<td>8.8</td>
</tr>
<tr>
<td>Michigan Tech</td>
<td>2.8</td>
<td>1.9</td>
</tr>
</tbody>
</table>
CLIMATE SURVEY
Institutional excellence in the 21st century requires Michigan Tech to enhance campus diversity and develop an inclusive climate for all its members.
Michigan Tech would benefit from having more women students and women faculty on campus.
Issues related to gender bias and/or sexual harassment are taken seriously on campus.
I am satisfied with my overall experience here at Michigan Tech.

<table>
<thead>
<tr>
<th>Gender</th>
<th>Male</th>
<th>Agree/Strongly Agree</th>
<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
<td>2005</td>
<td>101</td>
<td>152</td>
<td>80</td>
</tr>
<tr>
<td>2010</td>
<td>127</td>
<td></td>
<td>127</td>
</tr>
</tbody>
</table>
Staff

Michigan Tech needs to provide more child care support for faculty, students, and staff.

- Female: 62\% (2005), 55\% (2010)
Michigan Tech needs to provide support for faculty, students, and staff with elder care responsibilities.

- **Male**
  - 2005: 57%
  - 2010: 67%

- **Agree/Strongly Agree**
  - 2005: 62%
  - 2010: 89%

- **Female**
  - 2005: 62%
  - 2010: 89%
ADVANCE
Total Number of Female Tenured-Tenure-Track Faculty

<table>
<thead>
<tr>
<th>Year</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1999-00</td>
<td></td>
</tr>
<tr>
<td>2000-01</td>
<td></td>
</tr>
<tr>
<td>2001-02</td>
<td></td>
</tr>
<tr>
<td>2002-03</td>
<td></td>
</tr>
<tr>
<td>2003-04</td>
<td></td>
</tr>
<tr>
<td>2004-05</td>
<td></td>
</tr>
<tr>
<td>2005-06</td>
<td></td>
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<tr>
<td>2006-07</td>
<td></td>
</tr>
<tr>
<td>2007-08</td>
<td></td>
</tr>
<tr>
<td>2008-09</td>
<td></td>
</tr>
<tr>
<td>2009-10</td>
<td></td>
</tr>
<tr>
<td>2010-11</td>
<td></td>
</tr>
</tbody>
</table>
Number of Female STEM Tenured-Tenure-Track Faculty
Percent Female Tenured-Tenure-Track STEM Faculty

- 2000-01
- 2001-02
- 2002-03
- 2003-04
- 2004-05
- 2005-06
- 2006-07
- 2007-08
- 2008-09
- 2009-10
- 2010-11

Michigan Tech
Create the Future
Campus Transportation & Parking Plan

COMPILED DRAFT

http://www.sas.it.mtu.edu/usenate/

SUBMITTED BY:
Carl Walker, Inc.
5136 Lovers Lane, Suite 200
Kalamazoo, MI  49002

August 22, 2011
INEXPENSIVE

Cheap & Convenient Parking, But Not Enough

CONVENIENT

Cheap & Enough Parking, But Not Convenient

ENOUGH

Convenient & Enough Parking, But Not Cheap

Michigan Tech
Create the Future
Presidential Committee on University Safety and Environmental Health

Role of Committee:

- to facilitate compliance with safety and environmental regulations, and

- to provide the leading metrics to support an effective safety program and culture at the University
Presidential Committee on University Safety and Environmental Health

Membership:
Chris Wojick, Chair
Julia Blair
Andrew Burton
Michael Clawson
Daniel Crowl
Roberta Dessellier
David Dixon
Shiyue Fang
Josh Hamre

Tammy Haut Donahue
Janet Hayden
Allen Niemi
Robert Page
John Rovano
Judy Schaefer
Mark Sloat
Jonathon Stone
Scott Wagner
Health and Safety Task Force

Role of Task Force:

➢ To develop processes and,

➢ Report on health and safety to provide the trailing metrics for the Presidential Committee on University Safety and Environmental Health
Health and Safety Task Force

Membership:
Nancy Bykkonen
Theresa Coleman-Kaiser
Janet Hayden
Renee Hiller
Ellen Horsch
Patty Kyllonen
Mike Needham
Joanne Polzien
HB 5000
Governor’s Message
Commencement Speaker
Chang K. Park