

# Building a Doctor of Physical Therapy in Michigan's Upper Peninsula

*A Collaborative Program between  
Central Michigan University and Michigan Tech*

Presentation to University Senate  
Jan 22, 2014



# DPT Exploration at Michigan Tech

## 2007

- DPT Committee; Clinical Rotation Survey
- Outreach to U.P. hospitals and clinics

## 2009

- Submitted rationale and budget plan to Executive Team
- Granted approval to partner with existing program

## 2010

- Began working with Central Michigan University on potential joint venture

## 2011

- MTU and CMU Provosts agree to joint program and funding model
- Draft Memorandum of Understanding

# DPT Exploration at Michigan Tech

## 2012-13

- Fundraised \$250,000 for ATDC renovation
- \$125k 'investment' U.P. Healthcare Network
- \$25k from War Memorial, Portage Health, Aspirus Keweenaw, Dickinson Memorial, Pat Nelson Fund

## 2013

- Early Dec – Received official accreditation from CAPTE
- Late Dec – Contracted w/ U.P. Engineering & Architecture

## 2014

- Formalize MOU (CMU & MTU Provosts)
- ATDC core renovation by end of April; Technology in May/June
- First student on campus in August 2014

# Central Michigan University

## Physical Therapy

- College of Health Professions
  - School of Rehabilitation and Medical Sciences
    - Physical Therapy, DPT
    - Physician Assistant, MS, PA
    - Athletic Training, BS, ATC
- Physical Therapy program established in 1994, and became fully CAPTE accredited in 1997.
  - Transitioned from Masters to Doctorate in 2004



# Snapshot of DPT Curriculum

## YEAR 1

Summer:	Anatomy, Pharmacology, Human Development
Fall:	Patient Care, Patho, Ex. Science, Neuroanatomy, Examination and Diagnosis (E&D)
Spring:	Orthopedics, Patient Care, Patho, E&D

## YEAR 2

Summer:	Clinical education, research, education
Fall:	Neurological Rehabilitation, Motor Learning, E&D, Patho
Spring:	Cardiopulmonary, Multiple system, Manual Therapy, Ethics, E&D, Patho

## YEAR 3

Summer:	Administration, Evidence Based Practice, Rehab Care Management, Special Topics
Fall & Spring:	Clinical Education II and III, Case Reports

# Clinical Education

- Structure of Clinical Education
  - Two Semesters of Mock Clinic (on campus)
  - One Six week rotation in Michigan
  - Two 14 week rotations: Michigan and US
- Settings
  - Type: acute, out-patient, rehab.
  - Location: Currently 300+ clinical education sites primarily in Michigan but many also through out U.S.

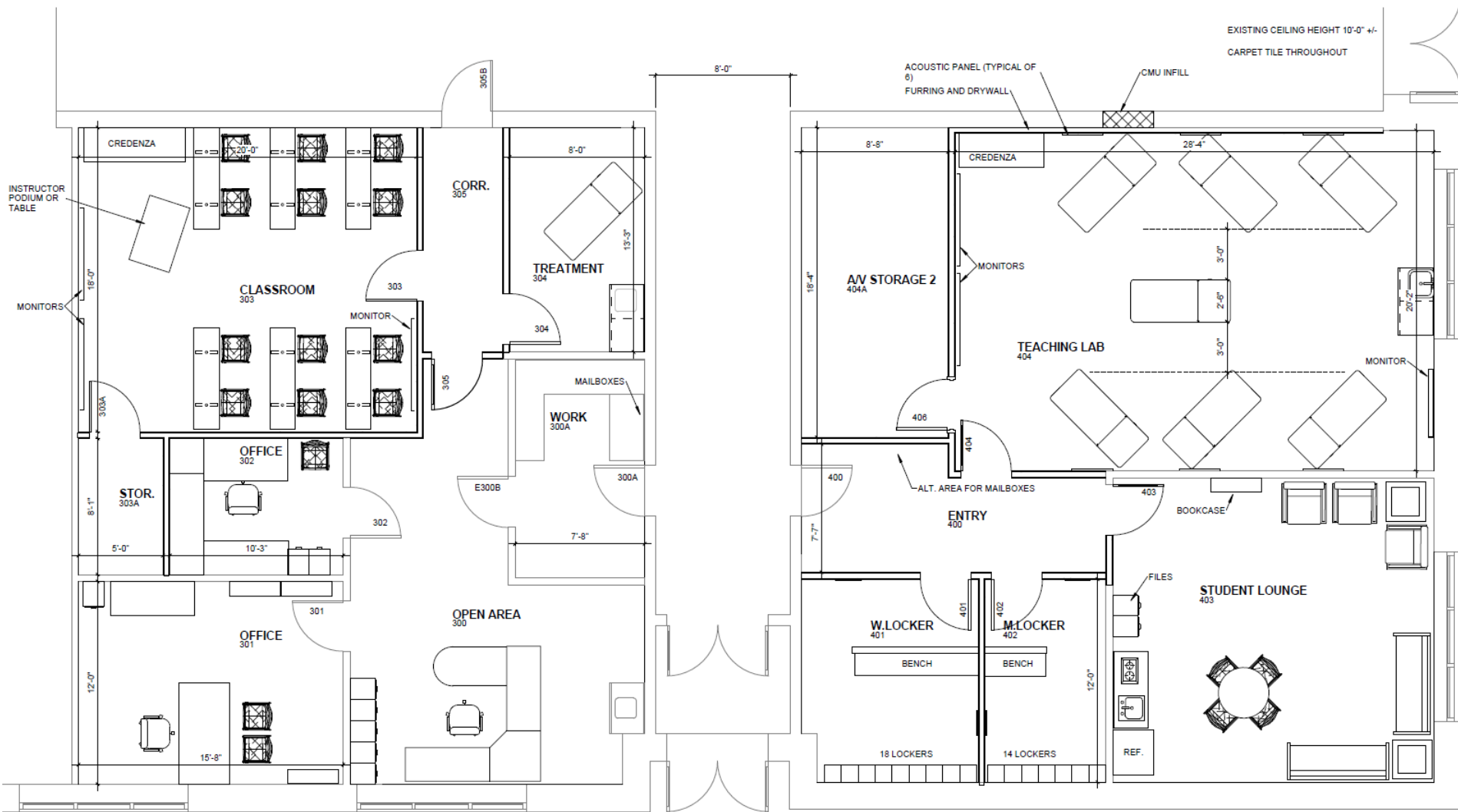
# Joint CMU/MTU Program

- CMU program currently enrolls 48 students/yr
  - Four cohorts of 12 students for laboratories
- *Add a cohort of 12 students/yr to Michigan Tech*
- First summer spent on CMU campus
  - Anatomy Lab
  - Integration with other 48 students
- Remaining Experience at Michigan Tech campus
  - Live 2-way distance learning for lectures
  - Laboratories instructed by:
    - Site Director
    - Clinical Education Coordinator
    - Local/Regional Physical Therapists

# Proposed Michigan Tech Facilities













# The Value of this Opportunity: To U.P. Hospitals and Clinics

The proposed joint DPT program will:

- Strengthen the clinical infrastructure in the Upper Peninsula;
- Allow bright and motivated students to STAY here for their graduate education;
- Aid with *recruitment* and *retention* of highly qualified physical therapists at hospitals and clinics throughout the U.P.

## Domestic Hire:

- Recruiter Fees – \$15-20k (~25% of starting salary)

## International Hire:

- Recruiter Fees – \$15-20k
- H1B visa, TOEFL Exam, Licensure Exam, Legal Fees – \$25-30k

# The Value of this Opportunity: To the Universities

- MICHIGAN TECH:
  - Extension of MTU human health initiative;
  - Access to CMU's clinical network;
  - Expansion of early assurance seats for MTU students (2 → 6);
  - Continued growth of Kinesiology (CSA Strategic Plan)
- CENTRAL MICHIGAN:
  - Expands CMU's rural health connection to the UP;
  - Access to Michigan Tech's research strength.

**This collaboration shows a commitment to efficient use of resources in higher education.**

Long-term goal -- eventual development of DPT/Ph.D. program (Kinesiology, Human Factors, BME, ME-EM, ECE, etc).

# Physical Therapy & Human Movement Sciences

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## DPT/PhD (Eng) Program

The Department of Physical Therapy and Human Movement Sciences in coordination with the Departments of Biomedical Engineering, Mechanical Engineering, and Electrical Engineering/Computer Science offer a unique dual degree program that awards graduates a doctorate in physical therapy (DPT) from the Feinberg School of Medicine as well as a PhD from the McCormick School of Engineering. This dual degree program marries two disciplines for one clear benefit: improved rehabilitation therapies and technologies for patients with movement disorders.

Graduates from the DPT/PhD(Eng) program are expected to become new leaders in engineering, rehabilitation sciences, physical therapy and in device development for the study and restoration of human function both in the academic, governmental, healthcare and industry environments. Their scientific and engineering contributions will be relevant to physical therapist patient care carrying a significant impact on rehabilitation related healthcare costs.

*This page last updated Jun 19, 2012*

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*Questions?*