NOT YOUR TYPICAL CLASSROOM: modalities in medical education
1. Define how allied health pedagogy is changing and how it is being implemented in colleges and universities around the country.

2. Evaluate how technology and various modalities shape the medical education laboratories.

3. Evaluate allied health space options through an introduction of past trends and future drivers.

MEDICAL EDUCATION DELIVERY MODELS

- Program-Focused Spaces
- Dual enrollment, HS grads, transfer students and adults
- 4+ year investment

UNIVERSITY

- Didactic & Clinical
- Diversity Goals
- Team-based learning
- Shared Resources

MEDICAL SCHOOL

- Varied Institutional Approaches
- Specialty Spaces
- University Graduates
- Major investment

COMMUNITY COLLEGE

- Workforce demand
- Interprofessional Education
- Dual enrollment, HS grads; high % of adult learners
- Quick ROI
POLL

Presentation Participants:

Community Colleges?

Universities?

Medical Schools?
PEDAGOGICAL APPROACH

- Healthcare continuum
- Transforming Campus
- Team-based healthcare education
- Informal Learning
- Practical Training
<table>
<thead>
<tr>
<th>CURRENT PROGRAMS</th>
<th>NEW PROGRAMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Biotechnology Science</td>
<td>• Administrative Medical Assistant</td>
</tr>
<tr>
<td>• Dental Hygiene</td>
<td>• Occupational Therapy Assistant</td>
</tr>
<tr>
<td>• EMT/ Paramedic</td>
<td>• Polysomnography</td>
</tr>
<tr>
<td>• Health Information Man. Tech.</td>
<td>• Nursing Assistant</td>
</tr>
<tr>
<td>• Histotechnology</td>
<td>• Clinical Documentation (course)</td>
</tr>
<tr>
<td>• Medical Assisting</td>
<td>• Bioinformatic</td>
</tr>
<tr>
<td>• Medical Laboratory Technology</td>
<td>• Health Coach/Patient Navigator</td>
</tr>
<tr>
<td>• Multi-Skilled Health Technology</td>
<td>• Fall 2019</td>
</tr>
<tr>
<td>• Nursing (RN)</td>
<td>• Central Sterilization</td>
</tr>
<tr>
<td>• Phlebotomy</td>
<td>• Summer 2020</td>
</tr>
<tr>
<td>• Radiologic Technology</td>
<td>• Dental Assistant Summer</td>
</tr>
<tr>
<td>• Respiratory Therapy</td>
<td>• Fall 2021</td>
</tr>
<tr>
<td>• Surgical Technology</td>
<td>• Physical Therapist Assistant</td>
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</tbody>
</table>
POLL

Number of health programs on your campus?
MARRYING NEW AND RENOVATED SPACES
INTER-PROFESSIONAL EDUCATION (IPE) VIDEO
Pre-hospital
LEARNING LAB-RADIOLOGY TECH
THERAPY APARTMENT
HIGH FIDELITY SIMULATION LABS
INTER-PROFESSIONAL EDUCATION (IPE) VIDEO

In-hospital
INFORMAL LEARNING
INFORMAL LEARNING
Managing Resources

- Surveying Assessment
- Engagement of Faculty
- Partnered with Manufacturers
- Influence of Local Hospitals
- Cataloguing of new, existing and future
- AV Technology Integration
- Service Contracts
- Extended Warranties
FACILITATING THE MISSION

Framework for adaptability

- Future programs
- Flexible spaces
- Technology backbone
<table>
<thead>
<tr>
<th>Project Location</th>
<th>Type of Institution</th>
<th>Users</th>
<th>Project Type</th>
<th>Size</th>
<th>Construction cost</th>
<th>Bid Year</th>
<th>Cost/SF Escalated to 2021</th>
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</thead>
<tbody>
<tr>
<td>Central Piedmont</td>
<td>Community College</td>
<td>20 programs including Nursing</td>
<td>New Construction</td>
<td>74,450</td>
<td>22,432,000</td>
<td>2019</td>
<td>$301</td>
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<tr>
<td>Ball State</td>
<td>University-undergraduate, graduate and medical school</td>
<td>Nursing, Speech Pathology, Audiology, Nutrition, Social Work, Athletic Training and Counseling</td>
<td>New Construction</td>
<td>152,000</td>
<td>$44,700,000</td>
<td>2017</td>
<td>$294</td>
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<td>Texas A&amp;M</td>
<td>University-undergraduate</td>
<td>Nursing, Medical Engineering and Student Services</td>
<td>New Construction</td>
<td>61,896</td>
<td>$24,500,000</td>
<td>2017</td>
<td>$395</td>
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<tr>
<td>Appalachian State College</td>
<td>University-undergraduate and graduate programs</td>
<td>Nursing, Communication Science and Disorders, Exercise Science, Social Work, Rec. Management, and Physical Education, Student Services and Administration</td>
<td>New Construction</td>
<td>203,000</td>
<td>$63,800,000</td>
<td>2017</td>
<td>$314</td>
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<tr>
<td>Lakeland</td>
<td>Community College</td>
<td>23 programs including Nursing</td>
<td>Addition\Renovation</td>
<td>127,000</td>
<td>$49,000,000</td>
<td>2016</td>
<td>$386</td>
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<td>Stephens College</td>
<td>University-graduate</td>
<td>Physician Assistant</td>
<td>Addition\Renovation</td>
<td>23,517</td>
<td>$5,924,000</td>
<td>2015</td>
<td>$252</td>
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<tr>
<td>Marist College</td>
<td>University-undergraduate and graduate programs</td>
<td>Physician Assisting, Biomedical Sciences, Medical Lab. Sciences, Athletic Training and Physical Training</td>
<td>New Construction</td>
<td>61,500</td>
<td>$24,900,000</td>
<td>2015</td>
<td>$405</td>
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<tr>
<td>Malcolm X</td>
<td>Community College</td>
<td>25 programs including Nursing</td>
<td>New Construction</td>
<td>545,000</td>
<td>$251,900,000</td>
<td>2014</td>
<td>$462</td>
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<tr>
<td>University of Scranton</td>
<td>University-undergraduate and graduate programs</td>
<td>Physical Therapy, OT, Exercise Science and Food Science</td>
<td>New Construction</td>
<td>116,000</td>
<td>$39,500,000</td>
<td>2014</td>
<td>$341</td>
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<td>Triton College</td>
<td>Community College</td>
<td>Nursing, Surgical Tech, DMS, Nuclear Medicine and Ophthalmology</td>
<td>Renovation</td>
<td>71,200</td>
<td>$15,500,000</td>
<td>2013</td>
<td>$218</td>
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</table>
VARYING EQUIPMENT FIDELITIES
DEDICATED RESEARCH

- Auditorium
- Classrooms
- Research Lab Modules
- Multi-Species Vivarium with ABSL-3
- Gross Anatomy
- BSL-3 Suite
- Clinical Examination Suites
- Collaboration Spaces
- Graduate Hoteling
DEDICATED SURGICAL TRAINING LAB
HUMAN FACTORS
ELECTRONIC HEALTH RECORDS
EMERGING TRENDS
AUGMENTED REALITY-HOLOGRAM
TELEPRESENCE-REMOTE EDUCATION
QUESTIONS?

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and Dean of Health Technologies
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