

House Education Committee

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Workforce Preparedness Through Simulation

Educating an Interdisciplinary Workforce Team

UND is Unique!

- Medicine, Nursing, Physical Therapy, Occupational Therapy, Social Work, Nutrition & Dietetics, Medical Lab Sciences, Physician Assistants, Nurse Practitioners, Nurse Anesthetists

North Dakota's First Simulated Hospital

- Best practices support team training through collaboration, innovation, critical thinking, & leadership
- Simulation in healthcare programs can lessen burden of tight clinical placements, preceptor overload and burn out



Workforce Preparedness Through Simulation

Benefits of Simulation

- **Realistic Practice-** Real-world medical settings, practice without risk to patients
- **Improved Skill Development-** Clinical and soft (communication) skills
- **Error Reduction-** Learning from mistakes in safe spaces leads to reduced errors in real care
- **Better Preparedness for Emergencies-** Practice high-stress situations
- **Interdisciplinary Teamwork-** Train together to improve collaboration
- **Bridging the Experience Gap-** Gain confidence, Gain competence

Rural Workforce Preparedness

Simulation Education Directly Responds To Needs Identified By Our Rural Partners

UND called to develop a graduate workforce ready to practice in rural critical access hospitals

- Emergency Training Program
 - High stress emergency situations requiring stabilization and transfer
 - Dilemmas when caring for neighbors and friends
 - **Read, Listen, Experience**
- Start at Home and then Hit the Road!
 - Education starts in **Simulated Hospital** & expands to practice through **SIM-ND**
 - Integrates opportunities for students and healthcare professionals across the state

New Research Collaborations

Research Informs Innovative Education And Provides Evidence For Continued Growth

Leading Innovations in Simulation Research

- Rare opportunity to study teams with as many disciplines as UND
- Opportunities for academic, clinical & organizational partners to collaborate through research to improve health outcomes

North Dakota Nursing Research Collaborative

- UND, NDSU, U of Mary, LRSC, Minot
- Economic Diversification Research Fund Award (2024): ND Nursing Retention Study
 - UND, LRSC, NDSU: \$50,000



New Building...New Opportunities

Nursing Building Built In 1976

Estimated Costs

- Replacement cost of \$27M+
- Deferred capital renewal cost of \$12.5M+
 - In 2023, the Facility Condition Needs Index (0.45) indicated the need for immediate Major Renovation or Total Renovation by 2030





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COLLEGE OF NURSING & PROFESSIONAL DISCIPLINES

NURSING • NUTRITION & DIETETICS • SOCIAL WORK