

Chelsea R. Howland, PhD, RN
 Assistant Professor
 College of Nursing, University of Iowa
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EDUCATION

2024	IOWA Postdoctoral Fellowship	College of Nursing, University of Iowa, Iowa City, IA
2022	Doctor of Philosophy (PhD), Nursing Science	Sinclair School of Nursing, University of Missouri, Columbia, MO
2022	Participatory Health Research, Graduate Certificate	Sinclair School of Nursing, University of Missouri, Columbia, MO
2021	Predoctoral Fellowship, NIH/NINR T32 Fellow	Sinclair School of Nursing, University of Missouri, Columbia, MO
2016	Master of Science, Nursing Education	School of Nursing, Southern Illinois University Edwardsville, Edwardsville, IL
2012	Bachelor of Science, Nursing	School of Nursing, Southern Illinois University Edwardsville, Edwardsville, IL

Dissertation

Howland, C. (2022). *Assessing the feasibility and acceptability of a health action process approach physical activity and sedentary behavior self-guided workbook in rural adults with type 2 diabetes*. [Doctoral dissertation, University of Missouri]. ProQuest Dissertations & Theses Global.

LICENSURE

2022	Iowa Board of Nursing #169503 Registered Nurse
2016	Missouri Board of Nursing #2014032191 Registered Nurse
2012	Illinois Board of Nursing #041402956 Registered Nurse

CERTIFICATIONS

2009 – present	Basic Life Support
2015 – 2019	Trauma Nurse Core Course
2015 – 2019	Emergency Communication Registered Nurse

2014 – 2019	NIH Stroke Scale
2013 – 2019	Advanced Cardiovascular Life Support

PROFESSIONAL TRAINING

2024	American Medical Informatics Association, 10x 10 Introduction to Biomedical and Health Informatics
2022	Association of Diabetes Care & Education Specialists Cultural Competency for Diabetes Care, 2 nd Edition Training Program
2021	Designing Intervention Research, Ohio State University
2021	American Association of College of Nursing Student Policy Summit
2020	Association of Diabetes Care & Education Specialists (AADE)7® Self-Care Behaviors Online Training Series

PROFESSIONAL EXPERIENCE

Academic Appointments

2024 – Present	Assistant Professor, College of Nursing, University of Iowa, Iowa City, IA
2022 – 2024	Postdoctoral Scholar, College of Nursing, University of Iowa, Iowa City, IA
2021 – 2022	Research Nurse, Health Resources and Services Administration, Nurse, Education, Practice, Quality, and Retention: Registered Nurses in Primary Care Grant, School of Nursing, Southern Illinois University Edwardsville, Edwardsville, IL
2016 – 2022	Instructor, School of Nursing, Southern Illinois University Edwardsville, Edwardsville, IL
2016	Graduate Assistant, Simulated Learning Center, School of Nursing, Southern Illinois University Edwardsville, Edwardsville, IL
2015	Research Assistant, School of Nursing, Southern Illinois University Edwardsville, Edwardsville, IL

Administrative Appointments

2019 – 2022	Course Leader, NURS476: Care of Persons with Complex Needs, School of Nursing, Southern Illinois University Edwardsville, Edwardsville, IL
2018 - 2022	Course Leader, NURS482: Transition to the Professional Practice Role, School of Nursing, Southern Illinois University Edwardsville, Edwardsville, IL

Clinical Appointments

2016 – 2018	Staff Nurse, Float Pool, Alton Memorial Hospital, Alton, IL
2014 – 2016	Staff Nurse, Emergency Department, Alton Memorial Hospital, Alton, IL
2012 - 2014	Staff Nurse, Medical Care Unit, Alton Memorial Hospital, Alton, IL
2010 - 2012	Patient Care Technician, Medical Care Unit, Alton Memorial Hospital, Alton, IL
2009 - 2010	Certified Nurse Aide, Medical-Surgical Care, Jersey Community Hospital, Jerseyville, IL

HONORS AND AWARDS

2023	Dissertation Award, Midwest Nursing Research Society Self-Care Research and Implementation Interest Group
2022	Doctoral Marshall and Commencement Speaker, University of Missouri, December 2022 Graduate School Commencement
2022	American Association of College of Nursing Excellence in Advancing Nursing Science Award for Outstanding PhD Dissertation Nominee
2022	MU Graduate Professional Council, Professional Development Travel Award
2021	Illinois Nurses Foundation, 40 under 40 Emerging Nurse Leader Award
2021	Griffiths Leadership Society for Women, MU Alumni Association
2020	Sigma Theta Tau International, Epsilon Eta Chapter, Writing for Publication Award
2020	PEO Scholar Award Nominee
2019	Sinclair School of Nursing Dean's Award
2018	Jane E. Cochran, PhD Memorial Scholarship
2018	March of Dimes, Nurse of the Year Award, General Medical/Surgical, Finalist
2018	Southern Illinois University Edwardsville, School of Nursing, Rising Star Award
2015	Edward J. Stiften Nursing Scholarship
2013	Alton Memorial Hospital, Virginia Ilch Excellence in Service Award, Diabetes Resource Team
2012	Southern Illinois University Edwardsville School of Nursing Gem Award
2012	Alton Memorial Hospital, Nursing Rookie of the Year
2012	Southern Illinois University Edwardsville Outstanding Senior Assignment Award
2011	Shirley Strohmeyer Memorial Nursing Scholarship Award

2011

Sigma Theta Tau International, Epsilon Eta Chapter, Clinical Excellence Award

SCHOLARSHIP

Publications

(Key: *Data-based, Underlined: senior author, Bold: authorship contribution)

Journal articles

9. *Buck, H. G., Durante, A., **Howland, C.**, Aldosarry, H., Bidwell, J., Irani, E., Liebzeit, D., Massouh, A., Abshire, M., Stawnychy, M., & Graven, L. (2024). Examining heart failure informal care partners using person and system levels and domains: A meta-synthesis. *Western Journal of Nursing Research*.
8. *Youn, N., Sorenson, J., **Howland, C.**, & Gilbertson-White, S. (2024). Social determinants of health and cancer pain in the US: Scoping review. *Clinical Nursing Research*, 33(5), 416 – 428. <https://doi.org/10.1177/10547738241232018>
7. *Buck, H. G., **Howland, C.**, Stawnychy, M., Aldossary, H., Cortes, Y., Deberg, J., Durante, A., Graven, L., Irani, E., Jaboob, S., Massouh, A., Oberfrank, N., Saylor, M. A., Wion, R., & Bidwell, J. (2024). Caregivers' contributions to heart failure self-care: an updated systematic review. *Journal of Cardiovascular Nursing*, 39(3), 266 – 278. <https://doi.org/10.1097/JCN.0000000000001060>
6. Boles, K. K., Gallimore, M. R., **Howland, C.**, & Reeder, B. (2023). Technical function evaluation of two smart wearables and data analysis methods for step counts. In D. D. Schmorow & C. M. Fidopiastis (eds.). *Augmented Cognition. International Conference on Human-Computer Interaction, 2023*. Lecture Notes in Computer Science, 14019, 71 - 88. Springer, Cham. https://doi.org/10.1007/978-3-031-35017-7_6
5. *Gallimore, M. R., **Howland, C.**, Chase, J. D., Grimsley, A., Emezue, C., Boles, K., Anbari, A. B., Sherwin, L. B., Vogelsmeier, A., Popejoy, L., Rantz, M. J., & Reeder, B. (2022). Digital methodology for mobile clinical decision support development in long-term care. *Studies in Health Technology and Informatics*, 6(290), 479-483. <https://doi.org/10.3233/SHTI220122>
4. Reeder, B., Gallimore, M., **Howland, C.**, Emezue, C., Boles, K., Anbari, A., & Chase, J. D. (2021). Stepwise evaluation methodology for smart watch sensor function and usability. In D. D. Schmorow & C. M. Fidopiastis (eds.). *Augmented Cognition. International Conference on Human-Computer Interaction, 2021*. Lecture Notes in Computer Science, 12776, 221 – 233. Springer, Cham. https://doi.org/10.1007/978-3-030-78114-9_16
3. *Howland, C. & Wakefield, B. (2021). Assessing telehealth interventions for physical activity and sedentary behavior self-management in adults with type 2 diabetes mellitus: An integrative review. *Research in Nursing and Health*, 44(1), 92 – 110. <https://doi.org/Asses10.1002/nur.22077>
2. *Howland, C., Despins, L., Sindt, J., Wakefield, B., & Mehr, D. (2021). Primary care clinic nurse activities with a telehealth monitoring system. *Western Journal of Nursing Research*, 43(1), 5 – 12. <https://doi.org/10.1177/0193945920923082>
1. *Wakefield, B., & **Howland, C.** (2021). Home monitoring technology: What is next?. *Western Journal of Nursing Research*, 43(1), 3 – 4. <https://doi.org/10.1177/0193945920947695>

Abstracts

2. **Howland, C.**, Shaoshuai, C., Gilbertson-White, S., & Cho, Y. E. (2024). Social determinants of health and accelerated epigenetic aging in type 2 diabetes: A systematic review. *Western Journal of Nursing Research*, 46(Suppl. 1), <https://doi.org/10.1177/019394592412333>.
1. Chase, J. A., **Howland, C.**, Gallimore, M., & Reeder, B. (2020). Usability and feature evaluation of the Amazfit Bips smart watch in the Precision START lab. *Innovation in Aging*, 4(Suppl. 1), 3 – 4.

Scientific and Educational Research Grants

Intramural Research Grants

University of Iowa

Title: Usability and acceptance of the fitbit inspire 3 in rural older adults with type 2 diabetes

Role: Principal Investigator

Funding Source: Woodrow W. Morris Gerontology Research Award for Faculty and JD and Jill Thoreson

Optimal Aging Initiative Fund

Current Status: Funded, in progress

Dates: 2023 - 2024

Amount: \$10,000

Title: Engaging rural adults with type 2 diabetes in adaptation of a physical activity intervention for a mobile app

Role: Principal Investigator

Funding Source: Barbara and Richard Csomay Gerontology Research Award for PhD Students and Postdoctoral Fellows and Sigma Theta Tau Gamma Chapter Grant

Current Status: Funded, in progress

Dates: 2024 - 2025

Amount: \$3,000

University of Missouri

Title: Assessing the feasibility and acceptability of a health action process approach guided physical activity and sedentary behavior self-guided workbook in rural adults with type 2 diabetes

Role: Principal Investigator

Funding Source: Toni & Jim Sullivan Endowed Research Fund for PhD Students, Sinclair School of Nursing

Current Status: Complete

Dates: 2021 - 2022

Amount: \$1,000

Extramural Research Grants

National

Title: Usability and acceptance of the fitbit inspire 3 in rural older adults with type 2 diabetes and multimorbidity

Role: Principal Investigator

Funding Source: Sigma Small Grant

Current Status: Not funded

Dates: 2023 - 2024

Amount: \$5,000

Title: Engaging rural adults with type 2 diabetes in adaptation of a physical activity intervention for a mobile app
 Role: Principal Investigator
 Funding Source: Sigma Small Grant
 Current Status: Funded, in progress
 Dates: 2024 - 2025
 Amount: \$5,000

Regional

Title: Physical activity and sedentary behavior change in rural adults with type 2 diabetes
 Role: Principal Investigator
 Funding Source: Midwest Nursing Research Society, Founders' Circle Endowment Fund Grant
 Current Status: Not funded
 Dates: 2021 - 2022
 Amount: \$2,500

Local

Title: Assessing the feasibility and acceptability of a health action process approach guided physical activity and sedentary behavior self-guided workbook in rural adults with type 2 diabetes
 Role: Principal Investigator
 Funding Source: Epsilon Eta Chapter, Sigma
 Current Status: Complete
 Dates: 2021 - 2022
 Amount: \$500

Training Grants

Intramural Training Grants

Title: Sinclair PhD Student Fellowship
 Role: Trainee
 Funding Source: Sinclair School of Nursing, University of Missouri
 Current Status: Complete
 Dates: 2021 - 2022
 Amount: \$10,000 stipend + tuition

Extramural Training Grants

Title: Interdisciplinary research training in health behavior science
 Role: Trainee
 Funding Source: National Institute of Health, National Institute of Nursing Research, T32NR015426
 Current Status: Complete
 Dates: 2019 - 2021
 Amount: \$25,836 annual stipend + tuition

Title: Assessing the feasibility and acceptability of a health action process approach guided physical activity and sedentary behavior self-guided workbook in rural adults with type 2 diabetes
 Role: Trainee
 Funding Source: National Institute of Health, National Institute of Nursing Research, F31 Ruth L. Kirschstein Predoctoral Individual National Research Service Award

Current Status: Not funded
 Dates: 2020, 2021 (resubmission)
 Amount: \$74,677

Educational/Program Grants

Intramural Education/Program Grants

Title: Excellence in undergraduate education: Preparing nursing curriculum for the next generation
 Role: Project Co-Lead
 Funding Source: Southern Illinois University Edwardsville
 Current Status: Complete
 Dates: 2020 - 2021
 Amount: \$9,000

Extramural Education/Program Grants

Title: Utilizing technology and simulation to prepare undergraduate nursing students to avoid medication errors
 Role: Project Co-Lead
 Funding Source: Illinois Board of Higher Education, Expansion Grant
 Current Status: Complete
 Dates: 2020 - 2021
 Amount: \$100,000

Research and Clinical Presentations

International

3. Boles, K. K., Gallimore, M. R., **Howland, C.**, Emezue, C., & Reeder, B. (2023, July). Technical function evaluation of two smart wearables and data analysis methods for step counts. [Paper presentation]. Human Computer Interaction International.
2. Gallimore, M. R., **Howland, C.**, Chase, J. D., Grimsley, A., Emezue, C., Boles, K., Anbari, A. B., Sherwin, L. B., Vogelsmeier, A., Popejoy, L., Rantz, M. J., & Reeder, B. (2021, October). Digital methodology for mobile clinical decision support development in long-term care. [Paper presentation]. International Medical Informatics Association, Virtual.
1. Reeder, B., Gallimore, M., **Howland, C.**, Emezue, C., Boles, K., Anbari, A., & Chase, J. (2021, July). Stepwise evaluation methodology of smart watch sensor function and usability. [Paper presentation]. Human Computer Interaction International, Virtual.

National

9. **Howland, C.**, Ji, Y., Youn, N., Da Costa Ferreira Oberfrank, N., Bye, M., & Gilbertson-White, S. (submitted). Enhancing data visualization in diabetes: Methods for selecting graphic images of tracked data in a mobile app. [Poster presentation]. American Medical Informatics Association, 2025 Informatics Summit, Pittsburg, PA.
8. **Howland, C.**, Buck, H. G., Stawnychy, M., Aldossary, H., Cortes, Y., Deberg, J., Durante, A., Graven, L., Irani, E., Jaboob, S., Massouh, A., Oberfrank, N., Saylor, M. A., Wion, R., & Bidwell, J. (2023, November). Caregivers' growing contributions to heart failure self-care: an updated systematic review. [Poster presentation]. American Heart Association Scientific Sessions, Philadelphia, PA.

7. **Howland, C.**, Wakefield, B., Despins, L., Enriquez, M., & Moore, J. (2023, May). Engaging rural adults in a physical activity intervention. [Poster presentation]. National Rural Health Association Annual Conference, San Diego, CA.
6. **Howland, C.**, Chase, J. D., Anbari, A. B., Reeder, B., Gallimore, M. R., Emezue, C., Herbert, D., Boles, K., Lee, K., Sherwin, L. B., Narasri, M., Young, L., & Graves, R. S. (2022, November). A systematic review of consumer grade wearable use to measure sedentary behavior. [Poster presentation]. American Medical Informatics Association Annual Conference.
5. **Howland, C.**, Gallimore, M. R., Chase, J. D., Reeder, B., Emezue, C., Boles, K., & Anbari, A. B. (2021, December). Usability, feature, and functionality evaluation of the Amazfit bips smart watch in the Precision START laboratory. [Poster Presentation]. Aging and Health Informatics Conference, Virtual.
4. Grimsley, A., Boles, K., **Howland, C.**, Emezue, C., Gallimore, M. R., Sherwin, L. B., Chase, J. D., Reeder, B., & Anbari, A. (2021, November). Digital methodology for mobile clinical decision support development. [Poster Presentation]. American Medical Informatics Association Annual Conference.
3. **Howland, C.**, Gallimore, M. R., Chase, J. D., & Reeder, B. (2020, November). Usability and feature evaluation of the Amazfit Bips smart watch using precision START methodology. [Poster presentation]. American Medical Informatics Association Annual Conference, Virtual.
2. Chase, J. D., **Howland, C.**, Gallimore, M. R., & Reeder, B. (2020, November). Usability and feature evaluation of the Amazfit Bips smart watch in the Precision START Lab. [Poster presentation]. Gerontological Society of America 2020 Annual Scientific Meeting, Virtual.
1. Leey, J. A., **Acord, C. R.**, James, L. K., Pratt, E., & Tobin, G. S. (2014). Inpatient management of diabetes: Assessing perceptions and barriers among nurses. [Poster presentation]. American Diabetes Association 74th Scientific Session, San Francisco, CA.

Regional

5. **Howland, C.**, Shaoshuai, C., Gilbertson-White, S., & Cho, Y. E. (2024, February). Social determinants of health and accelerated epigenetic aging in type 2 diabetes: A systematic review. [Poster presentation]. Midwest Nursing Research Society, 48th Annual Conference, Minneapolis, MN.
4. Gilbertson-White, S. & **Howland, C.** (2023, December). Invited Presentation. *Applying the NIH stage model for behavioral intervention development to mHealth self-management interventions*. Self-care Research Interest and Implementation Group, Midwest Nursing Research Society, Virtual Webinar
3. **Howland, C.**, Wakefield, B., Despins, L., Enriquez, M., & Moore, J. (2023, March). Physical activity intervention for rural adults with type 2 diabetes: Pilot study. [Paper presentation]. Midwest Nursing Research Society, 47th Annual Conference, Des Moines, IA.
2. Reed, A. E., **Howland, C.**, & Jennings, G. (2023, March). Increasing confidence and clinical judgment in undergraduate nursing students through the integration of medication error prevention simulations. [Oral/Poster presentation]. Midwest Nursing Research Society, 47th Annual Conference, Des Moines, IA.
1. **Howland, C.**, Despins, L., & Wakefield, B. (2020, April). Primary care clinic nurse activities with a telehealth monitoring system. In C. Shuman & K. Oosterhouse (Chairs), *Health technology to support care of older adults*. [Symposium]. Midwest Nursing Research Society 44th Annual Conference, Virtual.

Local/University

10. **Howland, C.**, Shaoshuai, C., Gilbertson-White, S., & Cho, Y. E. (2024, May). Social determinants of health and accelerated epigenetic aging in type 2 diabetes: A systematic review. 8th Annual Diabetes Research Day, Fraternal Order of Eagles Diabetes Research Center, University of Iowa, Iowa City, IA.
9. **Howland, C.**, Kellbach, J., Lensing, A., & Jones, J. (2024, April). Invited Presentation. *IMPACT: Inspire, motivate, promote, and advance communities together*. Community Engagement Network Summit, University of Iowa, Iowa City, IA.
8. **Howland, C.** (2023, November). Invited Presentation. *National rural health day panel discussion*. College of Public Health, University of Iowa, Iowa City, IA.
7. **Howland, C.** (2023, November). Invited Presentation. *How to send a mass email to the UI for research subject recruitment*. College of Nursing, University of Iowa, Iowa City, IA.
6. **Howland, C.**, Wakefield, B., Despins, L., Enriquez, M., & Moore, J. (2022, June). Assessing the feasibility and acceptability of a health action process approach physical activity and sedentary behavior self-guided workbook in rural adults with type 2 diabetes. [Podium presentation]. Sigma Theta Tau, Epsilon Eta Chapter, Annual Business Meeting.
5. **Howland, C.**, Gallimore, M. R., Chase, J. D., & Reeder, B. (2021, April). Usability and feature evaluation of the Amazfit Bips smart watch using precision START methodology. [Postcard Poster presentation]. Sinclair School of Nursing, PhD On-Campus Days, Virtual.
4. Gallimore, M. R., **Howland, C.**, Reeder, B., & Chase, J. D. (2020, November). Usability and feature evaluation of the Amazfit Bips smart watch in the Precision START Lab. [Poster presentation]. MU Health Sciences Research Day, Virtual.
3. **Howland, C.** (2020, July). Primary care clinic nurse activities with a telehealth monitoring system. [Podium presentation]. Sigma Theta Tau, Epsilon Eta Chapter, Annual Business Meeting, Virtual.
2. **Howland, C.**, Despins, L., & Wakefield, B. (2019, November). Primary care clinic nurse activities with a telehealth monitoring system. [Poster presentation]. MU Health Sciences Research Day, Columbia, MO. [**Dean's Award for best poster presentation**]
1. Leey, J. A., **Acord, C. R.**, James, L. K., Pratt, E., & Tobin, G. S. (2015) Inpatient management of diabetes: Assessing perception and barriers among nurses, a qualitative and quantitative review. [Poster presentation]. 9th Annual Barnes Jewish Hospital Multidisciplinary Research Conference, St. Louis, MO.

Media & Community Engagement

5. **Howland, C.** (2024, December). Invited presentation. *Physical activity and health aging*. Healthy Tips for Optimal Aging Presentation Series. Iowa City, IA
4. **Howland, C.** (2024, October). Invited presentation. *Mental health and wellbeing*. Csomay Community of Scholars, Community Engagement Event. Iowa City, IA
3. **Howland, C.** (2023, September). Invited Presentation. *Living an active lifestyle: making every step count*. Focus on Diabetes Event, Waterloo, IA
2. **Howland, C.** (2021, April 30). Interview with Calhoun, M. Telehealth increases nurse workload. KMOX St. Louis Radio.

1. **Howland, C.** (2021, April 29). Interview with Angle, A., & Gao, L. Telehealth helps people access health care providers but doubles nurses' tasks. KOMU 8 News.

SERVICE

Editorial and Peer Review Services

Peer review of scholarly products

2024	Midwest Nursing Research Society, Gerontology Research Interest and Implementation Group, Competitive Symposium Abstract Reviewer
2023	Ad Hoc Reviewer, Journal of Medical Internet Research
2023	Ad Hoc Reviewer, Applied Clinical Informatics
2022	Ad Hoc Reviewer, Telemedicine and e-Health
2021	Ad Hoc Reviewer, The Gerontologist

Review of nominations for awards, honors or scholarships

2023 – 2024	Midwest Nursing Research Society, Self-Care Research Interest and Implementation Group, Annual Awards Reviewer
2019	Sigma, Epsilon Eta Chapter, Awards Committee, Reviewer

Professional Service

Society/Association membership, participation and leadership

2022 – present	Csomay Community of Scholars
2024-present	Co-Director
2023 – present	Iowa Rural Health Association
2023 – present	American Heart Association
2023 – present	Council on Cardiovascular and Stroke Nursing, Cardiovascular and Stroke Nurse Leadership Committee Liaison to Council on Lifestyle and Cardiometabolic Health, American Heart Association
2021 – present	Association of Diabetes Care and Education Specialists
2020 – present	National Rural Health Association
2020 – present	American Medical Informatics Association
2019 – present	Midwest Nursing Research Society
2023 – present	Co-Chair, Self-Care Research Interest and Implementation Group
2012 – present	American Diabetes Association

2011 – present	Sigma Theta Tau International
2022 – present	Member, Gamma Chapter
2019 – 2022	Member, Alpha Iota Chapter
2019	Interim Chair, Awards Committee, Epsilon Eta Chapter
2018 – 2024	Treasurer, Epsilon Eta Chapter
2011 – 2024	Member, Epsilon Eta Chapter

Clinical practice service

2013 – 2016	Professional Practice Council, Alton Memorial Hospital
2015 – 2016	Chair
2013 – 2015	Member

2013 - 2015	Diabetes Resource Team, Alton Memorial Hospital
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University Service

2017 - 2019	Faculty Fellow, Southern Illinois University Edwardsville
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Collegiate Service

2022	Faculty Council Chair-elect, School of Nursing, Southern Illinois University Edwardsville
2020 – 2022	Dean's Advisory, School of Nursing, Southern Illinois University Edwardsville
2019 – 2022	Committee on Committees, School of Nursing, Southern Illinois University Edwardsville
2020 – 2022	Chair
2019 – 2020	Member
2018 – 2022	Undergraduate Curriculum Committee, School of Nursing, Southern Illinois University Edwardsville
2019 – 2020	Ad Hoc Clinical Tool Planning Committee
2018 – 2020	Ad Hoc Course Content Evaluation Group
2018 – 2022	Member
2017 – 2019	Student Nurses Association, Faculty Co-Advisor, School of Nursing, Southern Illinois University Edwardsville
2017 – 2019	Continuing Education Approved Provider Unit Committee, School of Nursing, Southern Illinois University Edwardsville
2017 – 2018	International Simulated Learning Resource Team, School of Nursing, Southern Illinois University Edwardsville
2016 – 2022	Simulation Steering Committee, School of Nursing, Southern Illinois University Edwardsville

TEACHING

Instructional Activities

Course Instruction

2023 - present	College of Nursing, University of Iowa
2024	N3151: Introduction to Clinical Concepts, Lab A (clinical simulation, Fall semester, 6 students per section)
2023	Invited speaker: First Year Students, Nursing Careers
2023	Invited speaker: Researchers in the Classroom
2021	Sinclair School of Nursing, University of Missouri, Columbia, MO
2021	N7110: Advanced Nursing Role Acquisition (teaching practicum)
2021	N7087: Leadership and Technology Institute (teaching practicum)
2019 – 2021	SSM Health, St. Louis, Missouri and School of Nursing, Southern Illinois University Edwardsville, Edwardsville, IL Collaboration
2019 – 2021	Registered Nurse Return to Practice (didactic, Summer semester, 5 students)
2016 – 2022	School of Nursing, Southern Illinois University Edwardsville, Edwardsville, IL
2020 – 2022	NURS472: Scholarly Inquiry: Connecting Research to Practice (didactic, Spring/Summer/Fall semesters, 30 students)
2020	NURS480r: Nursing Leadership in Healthcare Systems (online, Summer semester, 20 students)
2019	NURS484r: Quality, Safety, and the Professional Nurse (online, Summer semester, 20 students)
2019 – 2022	NURS476: Care of Persons with Complex Needs (didactic, Spring/Fall semesters, 56 students)
2018 – 2019	NURS246: Foundations and Health Assessment (didactic, Spring/Fall semesters, 40 students)
2017	NURS489: Senior Capstone 2 (Fall semester, 5 students)
2017 – 2022	NURS472r: Scholarly Inquiry: Connecting Research to Practice (online, Spring/Summer/Fall semesters, 22 students)
2017 – 2018	NURS342: Adult Health 1 (didactic, Spring/Summer/Fall semesters, 45 students)
2017	NURS479: Senior Capstone 1 (Spring semester, 5 students)
2017 – 2020	NURS343: Adult Health 2 (didactic, Spring/Summer/Fall semesters, 45 students)
2016 – 2020	NURS476: Care of Persons with Complex Needs (clinical, Spring/Fall semesters, 8 students)
2016 – 2018	NURS343: Adult Health 2 (clinical, Spring/Summer/Fall semesters, 8 students)
2016 – 2018	NURS342: Adult Health 1 (clinical, Spring/Summer/Fall semesters, 8 students)
2016 – 2022	NURS482: Transition to Professional Practice (clinical, Spring/Fall semesters, 8 students)

New Course Development

2020	Illinois Eastern Community College/Olney Central College, Illinois Board of Higher Education, Simulation Workshop
2019	Registered Nurse Return to Practice

Mentoring and Advisement

BSN honors projects

- 2024 Bye, Melanie – Nursing – Degree Objective: BSN
Project mentor for examining data visualization using symptom management in cancer patients
- 2023 Shaver, Ellie – Nursing – Degree Objective: BSN
Examining the use of wearable technology in rural older adults with type 2 diabetes

Senior capstone project

- 2017 – 2018 Kadlick, Brittany – Nursing – Degree Objective: BSN
Skin-to-skin care and the effects on growth and development in the NICU population
- 2017 – 2018 Kronewitter, Ciara – Nursing – Degree Objective: BSN
Exercise in pediatric oncology
- 2017 – 2018 Lurkins, Cortney – Nursing – Degree Objective: BSN
The effects of cancer in pregnant women
- 2017 – 2018 LaJeunesse, Kaylie – Nursing – Degree Objective: BSN
The benefits of continuity of care in the adult population measured by outcome
- 2017 – 2018 Martin, Rahkel – Nursing – Degree Objective: BSN
Effects of religion and spirituality on mental health

Master's students practica

- 2021 Boulware, Danielle – Nursing – Degree Objective: MSN, Nurse Educator
Didactic teaching practicum
- 2018 Fendler, Danielle – Nursing – Degree Objective: MSN, Nurse Educator
Clinical teaching practicum
- 2017 Basarich, Kerry – Nursing – Degree Objective: MSN, Nurse Educator
Clinical teaching practicum

Doctoral student projects

- 2023 Youn, Nayung – Nursing- Degree Objective: PhD
Provided mentorship in social determinants of health and conducting quality assessment for systematic reviews on cancer pain and social determinants of health systematic review
- 2023 – 2024 Aggarwal, Sugandha – Nursing – Degree Objective: PhD
Provided mentorship surrounding community-based recruitment strategies and qualitative data analysis on usability and acceptance of the fitbit inspire 3 in rural older adults with type 2 diabetes
- 2022 – 2023 Chen, Shaoshuai – Nursing – Degree Objective: PhD
Provided mentorship on conducting a systematic review and social determinants of health on social determinants of health and accelerated epigenetic aging in type 2 diabetes systematic review