

Shawna Leigh Strickland, PhD, RRT-NPS, AE-C

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Education

2010, Doctor of Philosophy in Education, Emphasis in Leadership and Policy Study,
University of Missouri-St. Louis

*The Evolution of Self-Directedness in an Undergraduate Ethics Course: A Comparison of
Three Course Delivery Methods*, AAT 3413279, 2010

2005, Master of Education: Adult and Higher Education, University of Missouri-St. Louis

2001, Bachelor of Science: Health Care Management, Southern Illinois University-Carbondale

1994, Associate of Applied Science: Respiratory Therapy Technology, Southern Illinois
University-Carbondale

1994, Associate of Applied Science: Allied Health Careers, Southern Illinois University-
Carbondale

Professional Credentials

Certified Asthma Educator, 2006

Neonatal-Pediatric Respiratory Care Specialist, 1996

Registered Respiratory Therapist #55926, 1994

Professional Experience: Higher Education

2006-present, University of Missouri-Kansas City (Kansas City, MO)

Adjunct Clinical Associate Professor

School of Pharmacy, Division of Pharmacy Practice and Administration

2005-present, University of Missouri (Columbia, MO)

- 2010-present, Clinical Associate Professor of Medicine
School of Medicine, Department of Internal Medicine, Center for Health Ethics
- 2005-present, Clinical Associate Professor, Respiratory Therapy Program
School of Health Professions, Department of Cardiopulmonary and Diagnostic Sciences
 - Promoted to Clinical Associate Professor, September 2011
 - Executive Planning Committee, Camp CatchYaBreath Asthma Camp, 2011-present
Collaborative Effort with Washington County Memorial Hospital
 - Appointed to Graduate Faculty, December 2009
 - Promoted to Respiratory Therapy Program Director, July 2008
 - Promoted to Clinical Assistant Professor, September 2006
 - Promoted to Respiratory Therapy Program Director of Clinical Education, August 2006
 - Respiratory Therapy Student Association Faculty Advisor, 2008-present

2004-2005, Southern Illinois University-Carbondale (Carbondale, IL)

Assistant Instructor/Director of Clinical Education, Respiratory Therapy Program

College of Applied Sciences and Arts

2001-2004, Sanford-Brown College (Fenton, MO)

Instructor, Respiratory Therapy Program

- Lambda Beta Charter Coordinator
- Student Government Faculty Advisor

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Professional Experience: Clinical

2000-2001, Registered Respiratory Therapist
Shriner's Hospital for Children (St. Louis, MO)

1999-2001, Laboratory Assistant
Southern Illinois University-Carbondale
Respiratory Therapy Program

1998-2005, Registered Respiratory Therapist
Cardinal Glennon Children's Medical Center (St. Louis, MO)
Neonatal-Pediatric Transport Team Respiratory Therapist

1998-1999, Registered Respiratory Therapist
Barnes-Jewish Hospital (St. Louis, MO)

1995-1998, Registered Respiratory Therapist
Texas Children's Hospital (Houston, TX)
Promoted to Assistant Supervisor, July 1997
Neonatal-Pediatric Transport Team Respiratory Therapist

1994-1996, Registered Respiratory Therapist
Polly Ryon Memorial Hospital (Richmond, TX)

1994-1995, Lead Registered Respiratory Therapist
Hospital Therapy Services (Denton, TX)

1993-1994, Student Respiratory Therapist
Marshall Browning Hospital (Du Quoin, IL)

Research Grant Activity

Francisco B (primary investigator), Rood T, Holbert L, Patterson J, Strickland SL (co-investigator), Missouri Foundations for Health: Asthma Ready Communities #0018138 (active); 2008-2013.

Strickland SL (primary investigator), Hogan MT, Hogan RG (co-investigators) Nellcor Puritan Bennett: Comparison of ambulatory oxygen delivery devices #0012781 (completed); 2005-2006.

Non-Funded Research Activity

Strickland SL (primary investigator): The evolution of self-directedness in learning during the course of respiratory care education. (active); 2010-present.

Moss K (primary investigator), Strickland SL, Lair L (co-investigators): Application of novel mechanical ventilation apparatus by respiratory therapy students (active); 2009-present.

Strickland SL (primary investigator): A comparison of student outcome, achievement of learning objectives and course satisfaction between three course delivery methods (completed); 2009-2010.

Strickland SL (primary investigator), Domachowski J (co-investigator): The effectiveness of blended classroom environments for the delivery of respiratory care education (completed); 2007-2008.

Strickland SL (primary investigator), Hogan RG (co-investigator): Identifying and understanding barriers to advanced degrees for respiratory therapists (completed); 2006-2007.

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Peer-Reviewed Publications

Strickland SL. "Asthma Education and the Adult Learner," International Forum of Teaching and Studies, 2009

Strickland SL. "The Effectiveness of Blended Learning Environments for the Delivery of Respiratory Care Education," Journal of Allied Health, 2009

Strickland SL, Hogan MT, Hogan RG, McKenzie W, Sohal H, Petroski G. "A Randomized, Multi-arm Repeated Measures Prospective Study Comparing Different Modalities of Portable Oxygen Delivery during Assessment of Functional Exercise Capacity," Respiratory Care Journal, 2009

Strickland SL. "Understanding Successful Characteristics of Adult Learners," Respiratory Care Education Annual, 2007

Strickland SL. "Does Neonatal Education Receive a Failing Grade?," Respiratory Care Education Annual, 2004

Invited Publications

Strickland SL, Lair LM. "Tailor Treatment to the Individual," Advance for Respiratory Care & Sleep Medicine, 2010

DeMarie (Strickland) SL. "Everything I Learned About Life, I Learned at Asthma Camp," Advance for Respiratory Care Practitioners, 2001

Invited Book Reviews

Strickland SL. "Clinical Assessment in Respiratory Care 6th Ed," by R. L. Wilkins. Textbook pre-revision assessment, Elsevier, 2011.

Strickland SL. "Mechanical Ventilation: Physiological and Clinical Applications 5th Ed," by S. P. Pilbeam and J. M. Cairo. Textbook revision, Elsevier, 2011.

Strickland SL. "Massage Therapy Principles and Practice 4th Ed," by S. Salvo. Textbook revision, Elsevier, 2010.

Strickland SL. "Clinical Skills and Disease Management for Respiratory Therapists," Anonymous. Textbook proposal, Elsevier, 2009

Strickland SL. "Asthma: A Clinician Guide," by M. Clark. Final manuscript review, Jones & Bartlett, 2009

Strickland SL. "Equipment for Respiratory Care," Anonymous. Textbook proposal, Prentice Hall, 2009

Strickland SL. "Professionalism in Health Care 3rd Ed," by S. Makely. Textbook revision, Pearson-Prentice Hall, 2008

Strickland SL. "Massage Therapy Principles and Practice 3rd Ed," by S. Salvo. Textbook revision, Elsevier, 2007

Strickland SL. "Clinical Manifestations and Assessment of Respiratory Disease 5th Ed," by T. Des Jardin. Textbook pre-revision assessment, Mosby, 2007

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Invited Website Contribution

DeMarie (Strickland) SL. "How to be an Organ Donor," The Self Help Legal Center sponsored by Southern Illinois University Lesar Law Center, 2001

Invited Computerized Clinical Simulations

Strickland SL. "Congenital Lobar Emphysema," In Respiratory Software: Neonatal Self-Evaluation Clinical Simulations, Vincennes, IN: 2006.

Strickland SL. "Transient Tachypnea of the Newborn," In Respiratory Software: Neonatal Self-Evaluation Clinical Simulations, Vincennes, IN: 2006.

Peer-Reviewed Conference Presentations

Strickland SL. "Achieving Course Goals in an Undergraduate Ethics Course: A Comparison of Three Course Delivery Methods," Global Learn Asia Pacific 2011-Global Conference on Learning and Technology, Melbourne, Victoria, Australia: 2011

Strickland SL. "The Evolution of Self-Directedness in an Undergraduate Ethics Course: A Comparison of Three Course Delivery Methods," International Self-Directed Learning Symposium, Cocoa Beach, FL: 2011

Strickland SL. "The Ethics of Using Non-Invasive Ventilation at the End-of-Life," American Association for Respiratory Care 56th International Respiratory Congress, Las Vegas, NV: 2010

Strickland SL. "Ethics: The Good, The Bad and The Ugly," American Association for Respiratory Care 56th International Respiratory Congress, Las Vegas, NV: 2010

Strickland SL. "Delivering Respiratory Care Education via Alternative Course Delivery Methods," American Association for Respiratory Care 56th International Respiratory Congress, Las Vegas, NV: 2010

Strickland SL. "Distance Education: A 'Recipe' for Success?," American Association for Adult and Continuing Education Annual Conference, Pittsburg, PA: 2005

Strickland SL. "Are You Providing Multicultural Education?"

- Missouri Association for Adult and Community Continuing Education, Lake Ozarks, MO: 2005
- American Association for Adult and Continuing Education, Louisville, KY: 2004

Referee for Conference Presentations

Strickland SL. "Self-Efficacy and the Learner Autonomy Profile." Presenters: Ponton M, Carr P. International Self-Directed Learning Symposium, Cocoa Beach, FL: 2011.

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Invited Conference Presentations

Strickland SL. “Neonatal Triage and Transport”

- Missouri Society for Respiratory Care Fall Symposium, Springfield, MO: 2011
- Missouri Society for Respiratory Care District I Annual Conference, St. Louis, MO: 2009

Strickland SL. “The Ethics of Using Non-Invasive Ventilation at the End-of-Life,” National webinar series sponsored by CareFusion, Columbia, MO: 2011

Strickland SL. “Life in the ICU: Thermal Injuries”

- Missouri Society for Respiratory Care District I Annual Conference, St. Louis, MO: 2011
- Missouri Society for Respiratory Care Annual Conference, Lake Ozark, MO: 2009
- Missouri Society for Respiratory Care District I Annual Conference, St. Louis, MO: 2008
- Missouri Society for Respiratory Care Fall Symposium, Springfield, MO: 2007

Strickland SL. “Can You Really Learn While You’re Having Fun? The Asthma Camp Experience.” Washington County Memorial Hospital Respiratory Conference, Potosi, MO: 2011

Strickland SL. “Evaluating Appropriately: Choosing the Right Tools.” University of Missouri Online Course Showcase, Columbia, MO: 2011

Strickland SL, Popejoy L, Smith M. “Death in the ICU, ” 6th Annual University of Missouri Health Ethics Conference: Redefining Death in the 21st Century, Columbia, MO: 2010

Strickland SL, Keel R, Amyot C, Henry M. “Making Your Online Course the Best It Can Be,” University of Missouri Celebration of Teaching Excellence, Columbia, MO: 2010

Strickland SL. “Diagnosing Asthma: The Right Stuff”

- St. John’s Mercy Medical Center Blitz Conference, St. Louis, MO: 2010
- Missouri Society for Respiratory Care Fall Symposium, Springfield, MO: 2009

Strickland SL. “Pulmonary Function Testing: A Case-Based Approach,” Missouri Society for Respiratory Care Fall Symposium, Springfield, MO: 2009

Strickland SL. “The Use of Non-Invasive Ventilation with the DNAR/DNI Order,” Ranken Jordan Pediatric Hospital Respiratory Conference, St. Louis, MO: 2009

Strickland SL, Brandt LC. “Healthcare Ethics: The Difficult Patient,” University of Missouri School of Health Professions Alumni Conference, Columbia, MO: 2009

Strickland SL, Brandt LC, Fleming DA. “The Ethics of Pandemic Influenza Planning and Response”

- Panel Discussion, University of Missouri School of Health Professions All-School Reunion, Columbia, MO: 2009
- Panel Discussion, Midwest Ethics Society, Columbia, MO: 2009

Strickland SL, Gayer D, Esser L, Philips R “Online Learning: Working Smarter, Not Harder,” University of Missouri Teaching & Learning Conference, Columbia, MO: 2007

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Invited Conference Presentations

Strickland SL. “Life in the ICU: ALI and ARDS”

- Missouri Society for Respiratory Care Annual Conference, Lake Ozarks, MO: 2007
- Missouri Society for Respiratory Care Fall Symposium, Springfield, MO: 2006

Strickland SL, Gayer D, Esser L, Philips R. “Distance Learning Advising Panel Discussion,” University of Missouri Teaching & Learning Conference, Columbia, MO: 2006

Strickland SL. “Professionalism and Ethics in Respiratory Care”

- University of Missouri Respiratory Therapy CRCE Series, Columbia, MO: 2007
- Southern Illinois University Respiratory Therapy Alumni Conference, Carbondale, IL: 2005
- St. Anthony’s Medical Center Annual Respiratory Care Symposium, St. Louis, MO: 2005

Strickland SL. “New Trends in Respiratory Care Pharmacology,” St. Anthony’s Medical Center Annual Respiratory Care Symposium, St. Louis, MO: 2004

Strickland SL. “Assessment and Stabilization of the Newborn”

- University of Missouri Respiratory Therapy CRCE Series, Columbia, MO 2006
- Southern Illinois University Respiratory Therapy Alumni Conference, Carbondale, IL: 2005
- Jefferson Memorial Hospital Annual Respiratory Care Symposium, Crystal City, MO: 2004
- St. Anthony’s Medical Center Annual Respiratory Care Symposium, St. Louis, MO: 2004
- Southwestern Illinois College Respiratory Conference, Belleville, IL: 2001

Peer-Reviewed Research Presentations

Strickland SL, Evans D, Domachowski J. “The Effectiveness of Blended Learning Environments for the Delivery of Respiratory Care Education,” American Association for Respiratory Care, Phoenix, AZ: 2008

Peer-Reviewed Poster Presentations

Strickland SL, Hogan MT, Hogan RG, McKenzie W, Sohal H, Petroski G. “A Randomized, Multi-arm repeated Measures Prospective Study Comparing Different Modalities of Portable Oxygen Delivery during Assessment of Functional Exercise Capacity,” American Thoracic Society, San Francisco, CA: 2007

Strickland SL, Hogan RG, Boyd M. “Barriers to Advanced Degrees for Respiratory Therapists,” Missouri Society for Respiratory Care, Lake Ozarks, MO: 2007

Ad-Hoc Peer Review Affiliations

International Journal of Medical Education, 2010-present

Respiratory Care Journal, 2009-present

International Journal of COPD, 2009-present

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Teaching Experience

Current Courses

- RT 1000 Introduction to Respiratory Therapy
- RT 4020 Perinatal-Neonatal Respiratory Care
- RT 4640 Teaching Practicum
- RT 4820 Adult Critical Care
- RT 4956 Research in Respiratory Care
- RT 4990 RT Senior Capstone
- RT 4993 Clinical Practice VII (capstone)
- CPD 4480 Clinical Ethics (writing intensive)
- IN MED 6002 Internal Medicine Clerkship

Invited Lectures for University of Missouri Courses

- Health Ethics Consultation, School of Medicine, Center for Health Ethics
- The Basics of Respiratory Care, Osher Lifelong Learning Institute
- Cardiac Monitoring for the Physical Therapist, PT 7480 (annual occurrence)
- Bronchial Hygiene Techniques for the Physical Therapist, PT 7890 (annual occurrence)
- Pulmonary Function Testing for the Speech Pathologist, CSD 8120 (annual occurrence)
- Breathe In, Breathe Out: Understanding Respiratory Therapy, NURS 1000
- Breathe In, Breathe Out: A Career in Respiratory Therapy, HP 1000 (annual occurrence)
- Complications of Preterm Birth, HP 1000

Educational Projects

- Co-Chair, Technology and Education Faculty Development Program, 2010-present
- Coordinator, University of Missouri Respiratory Therapy CRCE Series, 2005-2010
- Co-Chair, University of Missouri Respiratory Care Week, 2005-2008

American Heart Association/American Academy of Pediatrics Instructor

- Pediatric Advanced Life Support, 2006-present
- Advanced Cardiac Life Support, 2003-present
- Basic Life Support, 2003-present
- Neonatal Resuscitation Program, 1995-present

Awards

Missouri Society for Respiratory Care President's Award Recipient, 2011

Provost's Faculty Development Award (University of Missouri), 2011

University of Missouri eLearning Course Development Award, 2010

Phi Kappa Phi (University of Missouri-St. Louis) John J. Anderson Scholarship Recipient, 2007

Missouri Society for Respiratory Care Professional Education Scholarship Recipient, 2007

Student Research Faculty Mentor (University of Missouri), 2007

Student Research Faculty Mentor (University of Missouri), 2006

Provost's Faculty Development Award (University of Missouri), 2006

Scholarly Activity Catalyst Fund Award (University of Missouri), 2005

Amie Davis Scholarship (Southern Illinois University-Carbondale), 1991

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Professional Organizations

Member, European Respiratory Society, 2010-present

Member, Missouri Society for Respiratory Care, 1998-present

- Missouri Delegate to the AARC House of Delegates, 2011-present
- District III President, 2007-2011
- District I Secretary, 2001-2003
- Board Member, 2006-present
 - Scholarship Committee Chairperson, 2006-2009
 - Education Committee Member, 2001-present
 - Education Scholarship Sub-committee Member 2004-present
 - Annual Conference Planning Committee Member, 2004-present

Member, Phi Kappa Phi Honor Society, UMSL Chapter, 2006-present

Member, National Board for Respiratory Care, 1994-present

Member, American Association for Respiratory Care (AARC), 1991-present

- National Captain, Drive4COPD campaign, 2011-present
- Missouri State Captain, Drive4COPD campaign, 2010-present

University Experience

University of Missouri School of Health Professions Curriculum Committee, 2011-present

- Committee Chair, 2011-present

University of Missouri Campus eLearning Faculty eMentor Inaugural Cohort, 2011-present

University of Missouri Campus Writing Board, 2010-present

University of Missouri Educational Technologies Advisory Board, 2010-present

University of Missouri System eLearning Faculty eMentor Inaugural Cohort, 2010-present

University of Missouri School of Health Professions Executive Committee, 2008-present

University of Missouri Difficult Dialogues Program Fellow, 2007

University of Missouri Undergraduate Curriculum Committee, 2006-2011

- Committee Chair, 2010-2011

University of Missouri Writing Intensive Instructor, 2006-present

University of Missouri Health Care Clinical Ethics Committee, 2005-present

Volunteer Experience

Show-Me Response (Missouri Department of Health and Senior Services), 2010-present

Medical Response Corps (Cooper County, MO), 2010-present

Missouri Department of Family Services (Pettis County, District 18), 2007-present

American Lung Association, 2001-present

- American Lung Association of the Upper Midwest
 - Asthma Adventure Camp (Fox Lake, IL), 2001-2010
 - Asthma Walk Committee Member 2004-2005
- American Lung Association of Missouri
 - Asthma Walk Committee Member, 2003-2004
 - SCHooL Program Facilitator, 2001-2002

Professional Licensure

Illinois Department of Professional Regulation, 2005-present (active)

Respiratory Care Practitioner No. 194005850

Missouri Board for Respiratory Care, 1999-present (active)

Respiratory Care Practitioner No. 101266

Texas Department of Health, 1994-1998

Respiratory Care Practitioner No. 60450