

Curriculum Vitae

Nate N. Furman
Green Mountain College
Adventure Education Program
Division of Outdoor Leadership and Science
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Education

University of Utah, Salt Lake City, Utah

PhD Candidate: Passed dissertation defense, December, 2009

Major: Parks, Recreation, and Tourism

Foci: Outdoor Education and Natural Resource Management

Dissertation: "The effects of a treatment curriculum on the learning transfer of prosocial behavior in adventure education"

California State University, Chico

MA, 2004, Chico, California

Major: Recreation Administration

Focus: Natural Resource Management

Masters Project: "Rock climbing impacts on the Regular Northwest Face of Half Dome"

California State University, Chico

BA, 2000, Chico, California

Major: Organizational Communication

Minor: Conflict Resolution

Employment Information

Green Mountain College (Poultney, Vermont) August, 2009 – present

Instructor (Assistant Professor as of January 2009)

- Responsible for teaching a 3/3 load, participating on faculty meetings, providing service at a local, state, and national level, advising major and non-major students, and publishing top-tier scholarly work.
- Responsible for teaching curriculum specifically tied to the adventure education "block semester", where classes travel to remote wilderness locations to participate in field work for outdoor, human, and educational skill development.
- Promotion to Assistant Professor level contingent on dissertation completion (December, 2009)

National Outdoor Leadership School (Lander, Wyoming) May 2002 – present

Course Leader/Patrol Leader/Instructor

- Responsible for leading groups of 10-15 students during month-long wilderness, whitewater boating, climbing, and mountaineering courses.
- Key duties include instruction of technical skills, leadership theory and practice, natural history, and environmental studies.

- Instructed courses in Patagonia, Alaska, Utah, Wyoming, Arizona, Washington, Montana, and Idaho.
- Received merit award (top ten percent of staff) four times.

Program Supervisor, NOLS Teton Valley Branch – May 2008 to September 2008

- Responsible for supervision and evaluation instructors that work out of NOLS Teton Valley.
- Responsible for curriculum briefings, team building exercises, and debriefing both students and instructor teams. Responsible for evaluating course operations and reporting to branch director.
- Responsible for operations: e.g., managing transportation logistics, communication technology, updating web information, planning course routes, and updating curriculum.
- Responsible for running evacuations, communicating with parents and sponsors, and coordinating with the staffing and admissions departments.

Gateway Academy, LLC. (Salt Lake City, UT) September 2008 – December 2008

Co-Lead of Weekend Programming

- Responsible for planning and operating weekend recreation outings for an adjudicated youth program.
- Duties include managing 16 challenging students during rock climbing, whitewater boating, hiking, and canyoneering activities.
- Responsible for facilitating growth-oriented meetings and debriefings; for one-on-one coaching; for developing rapport with hard-to-reach students.

University of Utah (Salt Lake City, UT) August 2005- May 2008

Graduate Assistant

- Responsible for teaching university-level classes for the Department of Parks, Recreation, and Tourism. Developed creative learning experiences for students, including presenting at regional conferences and running a adventure race for the department community (150+ participants).
- Contributed to top-tier research in the field of outdoor education. Responsible for disseminating findings at professional conferences (e.g., NRPA, AORE, CEO) and through academic publication (e.g., JEE, ROE, Schole).
- President of the Student Advisory Council (SAC), 2007-08. Coordinator of SAC Promotion, Retention, and Tenure Committee, 2006-07. Active member, 2005-06. Developed SAC environmental sustainability committee.

Climbing Guide (Western United States) May 2005 – present

Self-Employed Climbing Guide

- Self-employed as a contract climbing and mountaineering guide. Responsible for permitting, insurance, risk management, and facilitating memorable recreational experiences.
- Guided up to 5.10, Grade IV rock routes in an alpine environment. Guided up to 60-degree ice, 55-degree snow, and glacier travel in an alpine environment. Guided up to 5.11a, Grade V rock routes in a non-alpine setting.
- Foci include client experience, environmental awareness, and skill development.

Colorado Mountain College (Leadville, CO) August 2001 – May 2002

Coordinator, Students in Outdoor Activities and Recreation (SOAR)

- Responsible for instruction of weekly outings, including skiing and snowboarding, ice and rock climbing, whitewater kayaking, winter camping, and caving.
- Responsible for managing outdoor ice-climbing wall, indoor rock climbing wall, gear rental program, ski-tune center, and supervision of SOAR staff. Responsible for staff training and development.

Department of Physical Education at Chico State (Chico, CA) August 2000 – May 2001

Adjunct Faculty

- Instructed semester length courses of Intermediate Climbing for the Department of Physical Education.
- In charge of developing curriculum, instruction of 30 students, and administration of classes. Class emphasized safe climbing practices, technical skill development, and ethical stewardship of the environment.

Adventure Outings (Chico, CA) November 1997 – May 2001

Trip Leader

- Lead and co-lead backpacking, rock climbing, kayaking, rafting, mountain biking, canoeing, sea kayaking, caving, and snowboarding trips of 1 day to 10 days in length.
- Managed all aspects of leading recreational trips, including development, supervision, administration, and instruction.

Office Manager

- Managed logistical operations and administrative duties for Adventure Outings. Assisted in the supervision of a staff of fifty employees.
- Provided high-quality customer service to clientele.

Pacific Crest Outward Bound School (Portland, OR and Redmond, OR) January 2000 – August 2000

Staffing Assistant

- Aided staffing coordinator in hiring field staff out of the Portland headquarters.
- Coordinated staffing solutions among five different base camps.

Logistics Coordinator

- Provided logistical support to multi-environment outdoor education courses. Responsible for re-rationing courses, running evacuations, and packing and staging for trips.

Organizations Seasonally Contracted With

Part-time Faculty, California State University, Chico
Department of Kinesiology
Contact: Reid Cross, (530) 898-5220

Instructor, Westminster College
Fitness, Wellness, and Recreation Department
Contact: Liz Rogers, (801) 832-2860

Instructor, Natural Resource Learning Program
Department of Parks, Recreation, and Tourism
Contact: John Cederquist, (801) 581-8542

Teaching Assignments

Green Mountain College: Adventure Education Major
REC 2033, Foundations of Adventure Education, Fall 2008
REC 2063, Group Processing and Facilitation, Fall 2008 (2 sections)
REC 1041, Outdoor Living Skills, Spring 2009
REC 3006, Essentials of Rock and Ice, Spring 2009
REC 3125, Ecotourism, Spring 2009

The University of Utah: Parks, Recreation, and Tourism Major
PRT 3350, Site and Facility Management, Spring, 2006, Fall 2006, Fall, 2007

PRT 3320, Recreation Programming and Leadership, Spring 2007
PRT 5720, Foundations of Experiential Education, Spring 2008
PRT 5960/6960, LNT Master Educator Course, Summer, 2007
PRT 1413, Winter Backpacking, Spring 2006, Spring 2007, Spring 2008
PRT 1415, Ski Mountaineering, Spring 2007, Spring 2008

California State University, Chico: Kinesiology Major
PHED 023A, Intermediate Rock Climbing, Fall, 2000, Spring, 2001
PHED 107, Analysis of Physical Education, Fall, 2000

Curriculum Development

ELA 3300, Place Attachment through Outdoor Recreation

Developing a class on how place attachment, ecological literacy, and pro-environmental behavior develops through intimate interactions with outdoor recreation. Students are asked to develop a thorough understanding with social science constructs, then engage in outdoor recreation experiences such as peak ascents and rock climbing. Students then compare their own personal experience to social science ideas in order to develop an understanding of how to facilitate this relationship for themselves and others.

PRT 3320, Recreation Programming and Leadership

Co-developed a curriculum that supported a multi-stage adventure race on the University of Utah campus entitled *Operation Recreation: Adventure Challenge*. The instruction of the class used key tenants of problem-based learning approach to teaching. The event was managed by the three PRT 3320 classes and hosted over 150 participants. Students were able to gain first-hand the experience of running a complex, multi-stage program. A description of the event and the teaching philosophy used is featured in the recent *Scholé: The Journal of Leisure Studies and Recreation Education*.

PRT 3350, Foundations of Experiential Education

Developed a curriculum that provided students experience presenting at the Rocky Mountain Association for Experiential Education conference. Students used telephone interview to gather data from lifelong outdoor educators. Students performed basic qualitative data analysis then compared findings to academic constructions of experiential education.

Scholarship and Creative Activity

Refereed Journal Articles

Sibthorp, J., **Furman**, N., Paisley, K., Gookin, J. (In press). Mechanisms of learning transfer in adventure education: Qualitative results from the NOLS transfer survey. *Journal of Experiential Education*.

Sibthorp, J., Paisley, K., **Furman**, N., & Gookin, J. (2008) Long-term impacts attributed to participation in adventure education: Preliminary findings from NOLS. *Research in Outdoor Education*, 9, 86-102.

Paisley, K., Sibthorp, J., Gookin, J., **Furman**, N., & Schumann, S. (2008). Predictors of participant development through adventure education: Replication and extension of previous findings from NOLS. *Research in Outdoor Education*, 9, 60-74.

Sibthorp, J., Paisley, K., Gookin, J., & Furman, N. (2008). The pedagogic value of student autonomy in adventure education. *Journal of Experiential Education* 31(2), 136-151.

Haas, C. & **Furman**, N. (2008). Operation recreation: Adventure challenge: Teaching programming through problem-based learning theory. *Scholé: A Journal of Leisure Studies and Recreation Education*. 23, 60-65.

Paisley, K., **Furman**, N., Sibthorp, J., & Gookin, J. (2008). Student learning in outdoor education: A case study from the National Outdoor Leadership School. *Journal of Experiential Education* 30(3), 201-222.

Furman, N. (2007). Rock climbing impacts on the granite of Yosemite National Park and their implications for the sandstone of Zion National Park. *Journal of Recreation and Leisure*, November, 2007.

Refereed Published Abstracts and Proceedings

Schumann, S., **Furman**, N., & Shooter, W. (In Press). The effect of decision-making factors, risk taking propensity, and environmental conditions on predicted decision-making in hazardous terrain. *Abstracts from the Symposium for Experiential Education Research*, Montreal, Canada.

Furman, N., Sibthorp, J., Schumann, S., Paisley, K., & Gookin, J. (2008 –in press). *Learning transferable lessons from adventure education: Qualitative results from a NOLS transfer survey (abstract)*. Conference Proceedings of the Association for Outdoor Recreation and Education Research Symposium. San Diego, CA.

Sibthorp, J., Paisley, K., **Furman**, N., & Gookin, J. (2008, January) Long-term impacts attributed to participation in wilderness education: Preliminary findings from NOLS (abstract). *Abstracts from the Coalition for Education in the Outdoors Research Symposium*, (p. 115-117). Martinsville, IN.

Paisley, K., Sibthorp, J., Gookin, J., **Furman**, N., & Schumann, S. (2008, January). Predictors of participant development through adventure education: Replication and extension of previous findings from NOLS (abstract). *Abstracts from the Coalition for Education in the Outdoors Research Symposium*, (p. 15-17). Martinsville, IN.

Sibthorp, J., Paisley, K., Gookin, J., & **Furman**, N. (2007). The pedagogic role of participant autonomy in adventure-based programming (abstract). *NRPA Leisure Research Symposium*. (pp. 254-257). Indianapolis, IN.

Furman, N., Paisley, K., & Sibthorp, J. (2006). Student learning on expedition-based outdoor education courses (abstract). In W. Taylor, G. Kay, T. Coates, G. Hanley, L. Morgan, & B. Wolfe (Eds.), *Proceeding and Research Symposium Abstracts of the 20th Association of Outdoor Recreation and Education Conference*. (pp. 142-144). Whitmore Lake, MI: Association of Outdoor Recreation and Education.

Publications (not refereed)

Furman, N. (in progress) The Mountaineering Educator Notebook. I am the editor and an author for a 200-page book on how to teach mountaineering at NOLS. Anticipated completion date: May, 2010. Chapters available upon request

Shooter, W., **Furman**, N., & Schumann, S. (2009). The effect of heuristic traps, risk taking tendency, and environmental conditions on predicted decision-making in hazardous outdoor terrain. *Movement, Environment, and Community: A Newsletter for the Monash University Education Department*. May, 2009.

Paisley, K., **Furman**, N., Sibthorp, J., Gookin, J. (2008). Student learning in outdoor education: A case study from the National Outdoor Leadership School. *Horizon: Newsletter for the Association for Experiential Education*, May, 2008. .

Furman, N. (2008) The Multiple Intelligence Theory of Howard Gardner and its (mis)Applications for Wilderness Education. Newsletter of the National Outdoor Leadership School. Fall, 2008.

Furman, N. (2008). Ascents in the Fox Jaw region of Greenland. *American Alpine Journal*. 207-209.

Furman, N. (2004). Dyno for the manky chickenhead, bra! Lessons learned from teaching bouldering to NOLS students. NOLS Newsletter. Summer, 2004.

Presentations and Seminars (not published)

Furman, N., Erpelding, M., & Zimmer, T. (2009). *The role of heuristic-based decision-making in outdoor education: A 2-sided debate*. Association for Outdoor Recreation and Education. Minneapolis, MN.

Furman, N. (2008). *Exploring experiential education from the vantage point of lifelong outdoor educators*. Rocky Mountain Association of Experiential Education. Gunnison, CO.

Furman, N. (2007). *Rock climbing impacts on the granite of Yosemite National Park and their implications for the sandstone of Zion National Park*. Intermountain Leisure Symposium, Provo, UT.

Furman, N., Erpelding, M., & Zimmer, T. (2008). *An investigation of Gardner's multiple intelligences theory*. Association for Outdoor Recreation and Education Research Symposium. San Diego, CA,

Furman, N., Schumann, S., Sibthorp, J., Paisley, K., & Gookin, J. (2008). *Learning transferable lessons from adventure education: Qualitative results from a NOLS transfer survey*. Association for Outdoor Recreation and Education Research Symposium.

Grant Money and Scholarships Awarded

Furman, N. (2010). Grant money awarded by the NOLS Instructor Development Fund to participate in the American Mountain Guides Association Rock Guide Exam in April of 2009: \$450.

Furman, N. (2010). Grant money awarded by Green Mountain College to participate in the American Mountain Guides Association Rock Guide Exam in April of 2009: \$600.

Furman, N., Shooter, W., & Schumann, S. (2009). The effect of heuristic traps, risk taking tendency, and environmental conditions on predicted decision-making in hazardous outdoor terrain. \$1000 awarded by the American Alpine Club, March, 2009.

Furman, N. (2007). Received the Gayle Richards Lawrence Endowed Scholarship. Scholarship notes activity at the local, state, regional, and/or national levels as a PRT professional. Other criteria includes a 3.2 GPA, and possessing personality traits like Gayle R. Lawrence: professional, warm, kind, congenial, loyal, dedicated, persevering, caring, and considerate of others. \$800 awarded.

Furman, N., Beckner, J., Deutcher, D. (2007) A climbing expedition to the Fox Jaw Region of Eastern Greenland. \$1,800 awarded by the NOLS Instructor Development Program.

Furman, N. (2005). American Mountain Guides Association rock guide course. \$600 awarded for participating in high-end guide training by the NOLS Instructor Development Fund.

Memberships

Association of Experiential Education
Association of Outdoor Recreation and Education
American Mountain Guides Association
The Access Fund
The Wilderness Education Association
National Recreation and Parks Association
American Alpine Club

Professional Climbing Instructor Association

Certifications and Professional Development

Wilderness First Responder: valid through September of 2010

CPR: valid through September 2010

Professional Climbing Instructor Association: Base-Managed Instructor, September, 2009

Professional Climbing Instructor Association: Top-Managed Instructor, September, 2009

Professional Climbing Instructor Association: Single-Pitch Instructor, September 2009

Professional Climbing Instructor Association: Course Provider Training, November 2009

American Mountain Guides Association: Advanced Rock Guide Course, May 2005

American Mountain Guides Association: Single Pitch Instructor Course, October 2009

American Mountain Guides Association: Rock Guide Exam, April, 2010

Leave No Trace: Master Certification, May 2002

Leave No Trace: Trainer Certification, May, 2002

Leave No Trace: Master-Level Educator Instructor, May 2007

Avalanche Level 1: Colorado Mountain College, AIARE endorsed, January, 2002

Avalanche Level 2: Colorado Mountain College, AIARE endorsed, February, 2002

Wilderness Emergency Medical Technician: from California State Fire Marshall, Fall, 1998 (expired)

Peer Reviewer

Journal of Experiential Education: 2008-present

Journal of Untraditional Parks, Tourism, and Recreation: 2008-present

Journal of Outdoor Recreation, Education, and Leadership: 2009-present

Association of Outdoor Recreation and Adventure Education, Research Symposium: Fall, 2009