

Courtney D. Giles (she/her)

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EDUCATION

2007 Chemistry BS & Environ. Geochem. Sci. BA, State University of New York, New Paltz

2012 Civil & Environmental Engineering PhD, University of Vermont, Burlington VT

EMPLOYMENT

- | | |
|---------------------|---|
| 2024-present | Associate Dean for Academic Affairs
Senior Lecturer, Civil & Environmental Engineering
College of Engineering and Mathematical Sciences (CEMS)
University of Vermont (UVM) |
| 2019-2024 | Director of Curricular Enrichment
Lecturer, Civil & Environmental Engineering
UVM College of Engineering and Mathematical Sciences |
| 2017-19 | Engineering Labs Manager
UVM College of Engineering and Mathematical Sciences |
| 2014-16 | Postdoctoral Research Associate
James Hutton Institute, Dundee, UK |
| 2012-14 | Postdoctoral Research Associate
NSF EPSCoR Research on Adaptation to Climate Change
University of Vermont |
| 2007-12 | Graduate Research/Teaching Assistant, University of Vermont |

Department	
2023-present	Undergraduate Affairs Committee, Civil & Environmental Engineering
2019-present	Environmental Engineering Curricular Sub-committee
2021	Communication in Undergraduate Curricula Working Group

HONORS AND AWARDS

2024	Outstanding New Civic Learning Faculty of the Year Award
2023	Higher Education Resource Services (HERS) Leadership Institute Award
2021	CEMS Professional Service Award
2019	Lab Safety Partnership Award, UVM Risk Management & Safety
2018	Lab Safety Partnership Award, UVM Risk Management & Safety
2016	Travel award, FAPESP-British Council Y [!\ • @] Kt æ æ ã * Á @ Ü @ [•] @ ! ^ Á Á
2015	Travel award, 9 th International Symposium of the International Society of Root
2015	Travel award, FAPESP-Öã @Ö [!\ • @] ÉÖ çã [} { ^ } çã æ á Á ^ çã [Á
2014	Young Scientist Award, 5 th International Symposium on Phosphorus in Plants and Soils/4 th Sustainable P Summit. Montpellier, France
2011	UVM School of Engineering, Graduate Teaching Assistant of the Year Award
2009	North East SAS Users Group Conference Student Scholarship, Burlington, VT
2007	Collegiate Science & Technology Entry Program (CSTEP) Senior Research Award
2007	Outstanding Poster, Alliance for Minority Participation (AMP)/CSTEP Conference
2006	Alliance for Minority Participation/CSTEP Book Award
2003-04	ET e792 [e W* nÖã ~ &æã } æÜ [&ã ç Á -Ö [!æ [Ö [^ * ^ Á & @ æ • @

PROFESSIONAL AFFILIATIONS

2019-present	American Society for Engineering Education
2015-17	British Society for Soil Science
2010-18	Canadian Society of Soil Science
2011-16	American Geophysical Union

- 2023-2024** *The Classroom as Research: The Scholarship of Teaching and Learning* (UVM Office of the Provost and Senior Vice President, Faculty Professional Advancement Events)
PI: Giles; Co-PIs: S. Harrington, H. Buckland-Parker
- 2022-2023** *UVM Salt Mitigation Task Force Co-Curricular Projects* (UVM Sustainability Fund)
PI: Lens; Co-PIs: Giles, P. Campo, L. Wood, K. Stepenuck, E. Berliner
- 2021-2022** *UVM Salt Mitigation Task Force Co-Curricular Projects* (UVM Sustainability Fund)
PI: Giles; Co-PIs: J. Lens, P. Campo, L. Wood, K. Stepenuck, E. Berliner

FACULTY DEVELOPMENT

Coordinated: Workshops, Retreats, Book Groups, and Trainings

1200+ faculty and student participants since 2019

- 2024** UVM Scholarship of Teaching and Learning Symposium
- 2024** CEMS Spring Retreat: Inclusive Excellence Updates and Progress
- 2023** STEM Teaching Slam and Student Engagement Workshop with Scott Auerbach, UMass Amherst, at CEMS Spring Retreat, May 2023
- 2023** CEMS Integrated Concentration in Science Learning Community Meetings (3)
- 2022** TEACH Faculty Round Table: Brightspace Transition
- 2022** *Teaching with Case Studies* with Scott Auerbach UMass Amherst iCons
- 2022** TEACH Faculty Round Table: Physics Dept Welcome
- 2022** CEMS Graduate Student DEI Training
- 2022-23** CEMS Graduate Student *Leading an Effective Lab Session* workshop
- 2021-24** CEMS Peer Mentor, Student Leadership Retreat Sessions
- 2022** Engaging in the Scholarship of Teaching and Learning Book Group
- 2022** TEACH Faculty Round Table: Pandemic Teaching
- 2022** Kroepsch-Maurice Awardees: CEMS Faculty Panel Discussion
- 2022** CEMS Assessment Retreat
- 2021** *Designing, Managing, and Assessing Student Teams*
- 2021** *Academic Integrity in CEMS: Current Practices and Future Needs*
- 2021** Cheating Lessons Book Group
- 2021** *How to Avoid Cheating*, Jen and Deanna Garrett-Ostermiller CTL
- 2021** *Cheating with Chegg*, Jen and Deanna Garrett-Ostermiller CTL
- 2021** *Keeping it Real in College* with Scott Auerbach, UMass Amherst iCons
- 2021** *Introduction to Community Engaged Learning*, Susan Munkres
- 2021** *Active Learning for Busy Skeptics* with Mike Prince, Bucknell University
- 2021** *Teaching Backwards* with Mike Prince, Bucknell University
- 2021** *Practical Introduction to Problem & Project-based Learning* with Mike Prince
- 2021** *Inclusive Teaching Practices* with Holly Buckland-Parker CTL
- 2021** TEACH Faculty: Tips for Remote Finals and Alternative Assessments
- 2021** TEACH Faculty: What teaching looks like for me this semester
- 2021** *Humanizing Online and Remote Classrooms* with Christa Hagan-Howe
- 2020** *CEMS Classroom Technology: Applications for Different Modalities*
- 2020** *Remote and Online Assessment Tools: Blackboard and Respondus*
- 2020** *Screencasting Tools: Screencast-o-matic 101*
- 2020** CEMS Emergency Remote Instruction Drop-in Sessions
- 2020** *iClicker and iClicker Cloud* with Jen Garrett-Ostermiller CTL
- 2020-23** CEMS Teaching Support Drop-in Sessions

Menezes-Blackburn, D, C Paredes, H Zhang, CD Giles et al. (2016). Organic Acids Regulation of Chemical-Microbial Phosphorus Transformations in Soils. *Environ. Sci. Technol.* 50: 11521-11531. doi: 10/1021/acs.est.6b03017.

Giles, CD

Hill, JE, CD Giles (2011). Think Globally, Act Locally: Targeting the Rhizosphere to Control Soil Fertility and Improve Water Quality. American Geophysical Union, Hydrology Section. December 2011 Newsletter, pp. 28-30.

Giles, CD, BJ Cade-Menun, JE Hill (2011). The Inositol Phosphates in Manures and Soils: Abundance, Cycling, and Measurement. Can J Soil Sci. 91: 397-416. doi: 10.4141/cjss09090.

CONFERENCE PROCEEDINGS & PRESENTATIONS

2024 June 28 - Learning Map Framework to Align Instruction and Improve Student Learning in a Physics-Engineering Mechanics Course Sequence. American Society for Engineering Education Annual Conference, NSF Grantees Poster Session, Portland OR.

2023 June 28 - Definitions of Success and Sense of Preparedness Among Engineering and Mathematical Sciences Students in a College-Wide First Year Seminar Course. 2023 ASEE Annual Conference, First Year Programe Year Seminar Cok14 612 r Programe Year ogW*nBT/F4 11.04 Tf84

2015 March 23 . *We want all the phosphorus! Plant and microbial strategies for improving plant utilization of soil organic phosphorus*. Poster. The James Hutton Institute, Annual Barley Away Day. Birnam, UK.

2014 November 21 . *Exploiting root exudation of organic acids and phytases to enhance plant utilization of soil phosphorus*. Poster. The James Hutton Institute, Annual Barley Away Day. Birnam, UK.

2014 September 1-3 . *Temporal and spatial studies of organic phosphorus cycling in sediments of a eutrophic bay in Lake Champlain, USA*. Poster. Sustainable Phosphorus Summit, 5th

2009 November 1 . 5 . *'Leachate Phosphorus Fractionation Study of a Poultry-Manure-Amended Vermont Soil'*. Talk. Soil Science Society of America Annual Meeting, Pittsburgh PA.

2009 August 16 . 20 .