

Christine Float Goble

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Education

Pursuing	MS, Instructional Design, University of Kentucky, May 2025
December 1999	PhD, Civil Engineering, Purdue University <i>"Influence of Aggregate Surface Area on Mechanical Properties of Mortar"</i>
December 1994	MSCE, Civil Engineering, University of Kentucky
December 1991	BSCE, Civil Engineering, University of Kentucky
May 1989	AS, Math, Prestonsburg Community College

Academic Experience

Jan 2024-present	Associate Professor, Engineering, Centre College
July 2018-May 2024	Senior Lecturer, Mechanical and Aerospace Engineering, University of Kentucky
Apr 2012-June 2018	Lecturer, Mechanical Engineering, University of Kentucky
July 2010-July 2018	Project Lead the Way Affiliate Professor in Civil Engineering and Architecture, University of Kentucky, Summer Training Instructor
Aug 2009-May 2015	Instructor, University of Kentucky-Western Kentucky University Joint Engineering Degree Program
Jan 2000-April 2012	Part-time Assistant Professor, Mechanical Engineering, University of Kentucky
Jan 1997-Aug 2005	Part-time Instructor, Civil Engineering, University of Kentucky
Aug 1995-Aug 1996	Teaching Assistant, Purdue University
Jan 1994-Aug 1995	Research Assistant, Purdue University
Aug 1992-Dec 1993	Teaching Assistant, Purdue University

Courses Taught

EM 221 Statics
EM 302 Mechanics of Deformable Solids
CE 381 Civil Engineering Materials I (lecture and lab)
CE 382 Structural Analysis
CE 482 Structural Analysis and Design
EXP 396 Experiential Education

Honors and Awards

- 2022 Henry Mason Lutes Award for Excellence in Engineering Education
- 2022 ASME Outstanding Teacher Award
- 2021 Tau Beta Pi Dr. Bruce L. Walcott Most Outstanding Service Award
- 2018 ASME Outstanding Teacher Award
- 2018 University of Kentucky Outstanding Teaching Award (Provost Award)
- 2016 ASME Outstanding Teacher Award
- 2013 National Society of Black Engineers Teaching Award
- 2013 ASME Outstanding Teacher Award
- 2010 Tau Beta Pi Most Outstanding Professor
- 2003 Tau Beta Pi Most Outstanding Professor

Recent Service Activities

Committees – Mechanical and Aerospace Engineering Department

- 2016-current Distance Learning Committee (Chair)
- 2017-current Undergraduate Studies Committee
- 2023-current Policies Committee
- 2021-2022 Strategic Plan Implementation and Policies Committee

Committees – College of Engineering

- 2023 (Spring) First Year Engineering Lecturer Search Committee
- 2022 (Fall) MAE Chair Search Committee

Committees – University of Kentucky

- 2020-2021 Academic Course Delivery Workgroup (Pandemic workgroup)

Student Focus

- 2012-present Advisor – Phi Sigma Rho Sorority for women in science and engineering
- 2023 Honors course conversion, facilitator – 6 students
- 2022 (Nov.) T2E Project Kickoff – Project idea discussions with high school students
- 2020-2023 Letters of Recommendation for 50+ students
- 2022 Honors course conversion, facilitator – 5 students
- 2021 (Feb.) ASCE, FE Review Session, Instructor, Statics and Mechanics of Materials
- 2021 (April) Evaluator/judge for Kim Sayre Outstanding Engineering Leader Award
- 2020 Women in Engineering (WiE) faculty panel
- 2020 Honors course conversion, facilitator – 2 students

Professional Focus

- 2021-current Newton's Team – Introduce and provide training for faculty from other institutions participating in implementation of activity kits for statics instruction, part of NSF Grant No. 2045853 (M. Grady – PI)
- 2021-2022 Provided evidence of alignment with ABET standards in preparation of six-year accreditation review.
- 2021 (April) Teams Open Lab – Faculty Panel member
- 2020 Developed *Engineering Online Instruction* Canvas course to assist and support College of Engineering faculty with transition to online teaching. Created in cooperation with Dr. Sarah Wilson and Dr. David Silverstein. Course launched within 72 hours of the university announcement of transition to remote instruction in March 2020 and maintained through 2021.

- 2020 (July) Q&A panel member, Best Practices in On-line Teaching, College of Engineering New Faculty Seminar Series
- 2020 (Aug.) Teacher Training for Engineering Faculty, Organizer, Moderator and Presenter
- Continuous Provide general teaching and software specific guidance to colleagues in the College of Engineering

Products and Publications

- 2021-current Christine Goble – Senior Investigator, Development and Implementation of Activity Kits for Statics Instruction, Newton’s Team, in cooperation with Dr. Martha Grady as part of the following grant: CAREER: Mechanical mechanisms of biofilm survival on implant surfaces Sponsor: National Science Foundation, Total Amount Requested: \$599,796, Period Covered: 08/01/2021-07/31/2026, Martha Grady, PI
- 2020 (Fall) Developed Respondus Tips Guide, created for and distributed by CELT (Center for the Enhancement of Teaching and Learning) - Geared toward faculty administering calculation intensive exams using Respondus online proctoring.
- 2018 C.F. Goble. Twenty-five *Video Tutorials – WileyPlus for Statics*. ISBN: 9781119392620, John Wiley & Sons, 2018.
- 2015 Fazleena Badurdeen, John R. Baker, Keith E. Rouch, Christine F. Goble, Gerry M. Swan II, Adam Brown, and I. S. Jawahir. "Development of an Online Master’s Degree Program in Manufacturing Systems Engineering". 2015 ASEE Annual Conference and Exposition, Seattle, Washington, 2015, June. ASEE Conferences, 2015.
- 2012 C.F. Goble. Storyboards and scripts for *Animated Figures – WileyPlus for Statics*. ISBN 9781118083116, John Wiley & Sons, 2012.
- 1999 Goble, C. F., and Cohen, M.D., “Influence of Aggregate Surface Area on Mechanical Properties of Mortar,” *ACI Materials Journal*, Vol. 96, No. 6, Nov.-Dec. 1999, pp. 657-662.

Professional Development

- 2023 (Fall) EDC 547 – Technology in Instruction
- 2023 (Spring) EDC 608 – Instructional Design II
- 2023 (Spring) EDC 543 – Game Based Learning
- 2023 (Mar) Responsible Conduct of Research Training
- 2022 Global Engagement Academy Certificate, UK International Center
- 2021 (March) QPR – Suicide prevention training
- 2020 (July) Wiley’s Wicked Summer Camp for Online Teaching (9 hours)
- 2020 (July) UK TLAI, Week of Teaching Virtual Symposium (10 hours)
- 2020 (Fall) EPE 557 – Gathering, Analyzing and Using Educational Data
- 2020 (Aug.) Respondus with LockDown Monitor training
- 2020 (Fall) Teams Open Lab, (3, 1 Hour Sessions)
- 2019 iPad Productivity Workshop
- 2019 (March) Unconscious Bias Training
- 2017-2018 Teaching Innovation Study Group – College of Engineering
- 2014 (Oct.) OLC – Annual International Conference on Online Learning, Orlando, FL
- 2013 (Jan.) ASEE – National Effective Teaching Institute, Tampa, FL