

Frances Holmes Kozen

Teaching Experience

Cornell University, Human Centered Design

FSAD 4021 Textile and Apparel Production in South Asia (co-taught) 2023-24
FSAD 3200 Global Textile and Apparel Sustainability (co-taught) 2021- 2024.
FSAD 3000 Cotton Production Experience (co-taught) 2024
FSAD 3320 Product Quality Assessment 1998, 2009, 2010, 2012, 2013, 2016 - 2018, 2020 - 2024
FSAD 4440 Global Fashion Management 2010, 2011, 2022-2024.
HE 1011 Blazing Your Trail (co-taught) 2023
FSAD 1111 Success in FSAD, 2019 (co-taught), 2020 - 2022
FSAD 2310 Fashion Product Management, 2022, 2024
FSAD 4660 Apparel, Textiles, and Innovation 2012, 2017, 2018
FSAD 2370 Structural Fabric Design 2008, 2017, 2018
FSAD 3310 Apparel Production and Management 2011
FSAD 1350 Fibers, Fabrics, and Finishes 2009, 2020, Summer 2020, Spring 2021, Summer 2021.
TXA 332 Designers as Entrepreneurs (co-taught), 1998
Textiles for Interiors 1986 (S & F), 1987- 1990

Oregon State University, Apparel, Interiors, & Housing Department,
Design of Protective Clothing, Summer 1978

Other Instructional Activities

- Planned and led New York Study Tour 2004-2019; 2022, 2023, 2024 (20 students)
- Co-led trip to North Carolina to visit Cotton Inc., AATCC, NCSU, 2024 (12 students)
- Co-led FSAD India Study Tour, 2011, 2018, 2020, 2024
- Served as formal academic advisor for FSAD undergraduates, 2018-2024 (average 18 annually).
- Advised FSAD students planning to study abroad, 2018-2024.
- Advised students seeking summer internships and post-graduate jobs (2018-2024).
- Managed FSAD Honors Committee 2020 (1 student), 2021 (7 students), 2022 (6 students), 2023 (2 students), 2024 (3 students).
- Facilitated weekend class on shoe design taught by a graduate, 2023.
- Guided students for independent study on Excel spreadsheets and Retail Math, 2019 (3), 2023 (4).
- Participated in the Design Expo in New York 2023, 2024
- Managed FSAD minor programs in Fashion Studies and Fiber Science, 2018-24.
- Advised FSAD undergraduates doing Special Study work based on Field Experiences (Internships), 2017-2024.
- Contributed to planning Cornell Library exhibit on Sustaining Style, 2023.
- Served as a Faculty Fellow in first year dorms 2018-2020 (Donlon), 2023-2024 (McClintock).
- Served as Honors Project advisor for Environment and Sustainability major from College of Arts & Sciences, 2022.
- Advised independent study for College of Arts & Science exchange student from Korea, 2022.
- Mentored student at Sleepy Hollow High School for research culminating in submissions to various science competitions 2020-2021.
- Co-led FSAD China Study Tour 2019.
- Advised three Biomedical Engineering graduate student teams on textile materials for their projects, 2019.
- Collaborated with e-Cornell and Tasha Lewis to develop Fashion Design Management Certificate, 2019
- Mentored graduate student to develop and offer 4-H Career Exploration program 2019.

Administrative

- College of Human Ecology Representative, Teaching-Track Title Taskforce (T4).

- Director of Undergraduate Studies, FSAD, July 2018 to present.
- Served on HCD Curriculum Committee 2023-2024.
- Represented FSAD major on CHE Educational Policy Committee 2018- present; served as Chair 2019-2023.
- Advisor for Careers in Fashion Industry Network (CFIN) student organization, 2018 to 2024.
- Advisor for NRF student chapter, 2018 to 2024.
- Maintain departmental FSAD alumni career database.
- Supervised weekly e-News for undergraduates, 2019 to 2021.
- Issued FSAD alumni newsletters, 2019- 2020.
- Mentored new FSAD lecturers, 2019-20.
- Mentored Summer College graduate instructor, 2020
- Chaired search committees for two Visiting Lecturer positions, 2019.
- Associate Director, Cornell Institute of Fashion and Fiber Innovations, 2014 to 2019
- FSAD Extension Leader, 2015 to 2020.

Research

- Evaluating colorfastness and antimicrobial properties of fabrics dyed with biowaste, weeds, and grape pomace, with Denise Green and Tamer Uyar 2023-2024.
- Survey of Facemasking Preferences, Behaviors, and Motivations in Young Adults Aged 18-24, with Denise Green, Catherine Blumenkamp, 2020.
- Wear Trial comparison of three styles of civilian cloth facemasks, with Kim Phoenix, Huiju Park, and six undergraduates, 2020.
- Style Engineers [Smart Girls, Smart Clothing: Engineering via Apparel Design, NSF ITEST], Susan Ashdown & Charlotte Coffman, 2012-2016, Project Director.
- Testing of Self-Cleaning Upholstery fabric finish performance, Gensler, 2015.
- Pesticide Protective Coverall, (2006), Susan Ashdown, Cornell, Fiber Science and Apparel Design, Research Assistant
- Green Composites, (2006), Anil Netravali, Cornell, Fiber Science and Apparel Design, Research Assistant
- Coal Miner Uniforms (1976), Firefighter Turnout Gear (1977), Susan Watkins, Cornell, Design & Environmental Analysis, Research Assistant and Research Associate.
- Soil and Detergency, (1975- 1976), Mary Purchase, Cornell, Design & Environmental Analysis, Research Assistant.

Media and Industry Consulting

- New York Times Wirecutter. Textiles for baby slings & wraps, 2024.
- Forbes. Wool bedding and bath towel construction 2024
- Self. *How Gross Is It to Wear New Clothes Without Washing Them First?* 2/7/23.
- Real Simple. "Settles It" column, "*Do you have to sort your laundry?*" 5/23.
- Ithaca Rev. Consultation with Yusuf Kappaya, textile waste. 7/23.
- Real Simple. "Minor Issues, Major Opinions" podcast. laundry sorting 7/23.
- Fourbital Factory, Burlington, VT, fiber recycling 3/23.
- Cornellians. Ask the Expert. *Laundry Putting You Through the Wringer?* 8/23.
- Dwell, *Dishtowels*. 8/23.
- Fast Company. Cashmere goat sustainability. 9/23.
- Real Simple. *What is Sateen?* 12/23.

Industry Outreach

Cornell Institute for Fashion and Fiber Innovation (CIFFI) 2013 - 2019

- Communicated with industry and alumni.
- Organized annual Roundtable Meetings and Symposia
- Connected industry with faculty and graduate students for research.

- Mentored faculty to develop testing contracts with industry partners.

Extension Associate, Apparel Industry Outreach, 1993-2005

- Surveyed apparel industry in New York State to define scope, location, and needs for Cornell outreach support,
- Compiled and maintained database of apparel manufacturers in New York State.
- Created apparel industry resources, including entrepreneurship website, fact sheets, and newsletters.
- Conducted workshops for the apparel industry on innovative technologies and entrepreneurship.
- Participated in Entrepreneurship and Family Business Project Work team, CCE, and Cornell Industry Relations group, 2001-2003.
- Participated in drafting proposal for multi-institutional Upper Manhattan Empowerment Zone apparel manufacturing incubator as member of Consortium for Apparel Research, Education, and Training (C.A.R.E.T.) 1996.

Cooperative Extension Outreach, 1993- 2019

- Offered Career Exploration programs to middle school students from regional middle schools, 2011 - 2013, 2016 – 2019, 2022, 2023.
- Developed and tested curricula for web-based science exploration activities 2013-2015.
- Taught 4-H informal science programs on blue jeans (2019), clothing repurposing (2011), fabric dyeing (2011), digital imaging (2005), CAD for home patternmaking (2004), Fabric Flight Connection (1991).
- Taught textile and CAD programs to Cornell Cooperative Extension agents in counties and on-campus (1994, 1997, 1998).
- Contributed textile and apparel articles routinely to department newsletters directed to Cornell Cooperative Extension agents and to apparel industry professionals in New York (1993-2005).

Awards

- Undergraduate Kappa Omicron Nu/Human Ecology Alumni Association Advising Award, 2021.

Grants

- Gates, Roberts, and Edna Shelly Fund, Department of Human Centered Design. Co-PI: Denise Green (\$45,000), *Safety, sustainability, comfort, convenience, and style of undergarments designed for moisture management and absorbency*. 2023. (awarded).
- Faculty Sustainability Research Awards Program, College of Human Ecology. *Designing for health and longevity: Evaluating and improving colorfastness and antimicrobial properties of fabrics dyed with biowaste and weeds*. 2023. Co-PIs: Denise Green and Tamer Uyar (\$41,000) (awarded).
- Cotton Incorporated 2024 Cotton in the Curriculum Grant Program, *FSAD 3000 Cotton Production Experience*. 2023. P.I. Larissa Shepherd (\$23,470) (awarded).
- Federal Capacity Funds, NC170, *Smart Firegear Development and Outreach for STEM education*. 2022. Heeju Park and Kozen (awarded).
- Cotton Incorporated's 2022 Cotton in the Curriculum Grant Program, *Global Textile & Apparel Sustainability: Cotton and the UN Sustainable Development Goals*. 2022. P.I. Margaret Frey (21,799). (awarded)
- Cornell College of Human Ecology Engaged Course Grant, *Global Textile & Apparel Sustainability engagement with ReUse Center*, 2021. Frey and Kozen. (awarded)
- Cornell Engaged Course Grant, *Textile & Apparel Production in Sri Lanka/India*. 2021. Denise Green and Kozen (awarded) 2021.
- CHE-CCE Summer Internship Program. *Development of Youth Textile Activities*. 2021. Co-PI Margaret Frey. (awarded)

- Cornell Atkinson Center for Sustainability Rapid Response Grant, *Evaluation of Civilian Face Masks via Wear Trials*, 2020. Kozen, Park, Phoenix. (awarded)
- Cornell Atkinson Center for Sustainability Rapid Response Grant, *Understanding Facemasking Preferences, Behaviors, and Motivations for Young Adults Aged 18-24*, 2020. Green, Blumenkamp, Kozen. (awarded)
- Engaged Opportunity pilot project, *Course of Trade: A Pilot-testing of Student Engagement in Developing the Future Apparel Workforce* in NYC. 2018. Baytar, Kozen, T. Lewis, E. Mattern. (awarded)
- Innovative Technology Experiences for Students and Teachers (NSF ITEST) Smart Clothing, Smart Girls: Engineering via Apparel Design, 2011. Ashdown, Coffman, and Dunne. (awarded)
- Innovative Technology Experiences for Students and Teachers (NSF ITEST), Visual Digital Data and Its Applications, 2004, Loker, Coffman, Tolomeo. (denied)
- Informal Science Education (NSF ISE), Teaching Anthropometry Using a 3-D Body Scanner, 2003, Loker, Coffman, Ashdown. (denied)
- *Apparel Industry Outreach Program*, Federal Formula Hatch Funds, Loker and Kozen, 1999. (awarded)
New York State 4-H Foundation, *Key Clothing Volunteer Leader*, 1997, Coffman and Kozen. (awarded)
- New York State 4-H Foundation, *Building Computer Skills and Career Awareness through the 4-H Clothing and Master Sewer Programs*, 1996, Coffman and Kozen (awarded)
- Cornell Cooperative Extension, Statewide Program Committee, *building a Framework for Outreach Programs Designed to Address the Economic Vitality of the Apparel Industry in New York*, 1996, Kozen, Coffman, Gasser. (awarded)

Publications

Green, Denise N., Blumenkamp, Catherine, and Frances Kozen (2021) “Facemasking Behaviors, Preferences, and Attitudes of Emerging Adults in the United States During the COVID-19 Pandemic: An Exploratory Factor Analysis” *Clothing and Textiles Research Journal*, Volume 39, Issue 3, 216-231. DOI: <https://doi.org/10.1177/0887302X211006775>

Kozen, F.H., and A. Netravali (2015). “Cellulosic Fibers from Plants.” In *Sustainable Composites and Advanced Materials*, Netravali and Pastore (Eds.), DEStech Publications, Lancaster, PA.

Dunne, L., K. Morris, J. Reich, H. Ramaswamy, S. Ashdown, F. Kozen, C. Coffman (2015). “Fashion Meets Space Travel: Engaging Girls in STEM Through Functional Apparel Design.” *Proceedings of the International Conference on Environmental Systems*. Seattle, WA.

Morris, K., C. Coffman, F. Kozen, K. Dao, D. Green, S. Ashdown, L. Dunne, J. Reich (2015). “Sketching as a Tool to Measure Concept Application in an Informal Learning Environment.” International Textile and Apparel Association Conference Poster Presentation.

Morris, K., S. Ashdown, C. Coffman, F. Kozen, K. Dao, D. Green, L. Dunne, J. Reich (2015). “Exploring Naïve Spatial Understanding in Patternmaking.” International Textile and Apparel Association Conference Poster Presentation.

Dunne, L. H. Ramaswamy, J. Reich, S. Ashdown, C. Coffman, F. Kozen, K. Morris, S. Ruehlow (2014). “Smart Clothing Smart Girls: Teaching Spatial Manipulation through Garment Patterns.” International Textile and Apparel Association Conference Presentation

Ramaswamy, H., L. Dunne, J. Reich, S. Ashdown, C. Coffman, F. Kozen, K. Morris, S. Ruehlow (2014). “Smart Clothing Smart Girls: Teaching Wearable Electronics.” International Textile and Apparel Association Conference Presentation.

S. Loker, L. Dworak, F. Kozen, J. Paszkiewicz (2000). "Directory of the New York State Apparel and Sewn Products Industry" Cornell Cooperative Extension.

Kozen, F.H. and S. Loker (2000). "Computer-Aided Design and Manufacturing: Is It for You?" Cornell Cooperative Extension.

Kozen, F.H. (1999). "Fiber Facts" Cornell Cooperative Extension.

Kozen, F.H. and S. Loker (1998). "Building an Apparel Industry Outreach Program at Cornell," International Textile and Apparel Association Conference.

Education

Cornell University	Design & Environmental Analysis	M.S.	1977
Cornell University	Design & Environmental Analysis	B.S.	1972

Graduate Work

Advisors: Earl Peters, Design and Environmental Analysis (textiles)

Samuel Craig, Johnson Graduate School of Management (marketing)

Thesis: *Comfort of Textured Woven Polyester Pants: The Effect of a Commercial Hydrophilic Finish*

INDUSTRY EXPERIENCE

Manager, Market Research, Hertz Corporation, 1983 - 1985

- Designed and commissioned quantitative and qualitative primary research to direct advertising and marketing efforts, measure advertising and promotional effectiveness, and monitor competitive activity.
- Delivered interpretative reports and oral presentations of research findings to marketing and advertising executives.

Consultant, Market Planning Department, McCall Pattern Co., 1982

- Planned and supervised retail observational audit. Analyzed market trends and internal sales performance using consumer purchase panel and internal sales data.

Senior Market Research Analyst, The Wool Bureau, Inc., 1979 - 1981

- Designed and oversaw primary market research studies for the apparel and home furnishing markets, including market definition, consumer attitudes, advertising tracking, concept testing, and product wear trials.
- Analyzed market trends using consumer purchase panel, industry, and government sales data.
- Hired and supervised outside market research firms to conduct consumer research mail and phone surveys and focus groups.
- Made trend and market presentations to fashion and home furnishings firms and major retailers.

Market Research Analyst, Levi Strauss and Co., 1978

- Designed and managed advertising tracking studies, retailer attitude surveys, target market analyses, product name testing, and consumer perception studies for multiple products, but especially for the launch of a casual men's sportswear line, David Hunter.
- Monitored competitive activity and consumer purchases.