

MARGARET G. CARNEAL

INTERIOR DESIGN EDUCATOR



PROFILE

Over 25 years of experience in academic and industry roles in interior design and construction. Began with a passion for teaching interior design while earning a masters degree from Virginia Tech. In order to become a more qualified educator, valuable industry experience accumulated in Design/Build firms and resulted in award winning designs. Certification achievements, including the NCIDQ, led the way for returning to academia and that passion for teaching.

CERTIFICATIONS

NCIDQ
29714
CIDQ

CKD
Certified Kitchen Designer
NKBA

CBD
Certified Bath Designer
NKBA

EDUCATION

Doctor of Philosophy | Virginia Tech Environmental Design & Planning

In progress

- Dissertation Topic: "Streamlining the Bio-Inspired Design Process for Practical Applications: BID Pipe Concept Development"
- Graduate Certificate: Future Professoriate
- BioBuild Fellow, Interdisciplinary Graduate Education Program (IGEP), awarded three semesters of funding
- Focus on Building Construction using a manuscript style dissertation

Masters of Science | Virginia Tech Interior Design

1995

- Thesis: "The Effects of Music Sound Levels on Restaurant Customer's Behavior."

Bachelors of Science | Virginia Tech Interior Design

1991

- FIDER (CIDA) accredited program

TEACHING EXPERIENCE

Radford University Department of Design

Interior Design

- Assistant Professor Fall 2021 - Present
- Instructor Spring 2021
- Adjunct Professor Fall 2020

Virginia Tech Department of Apparel, Housing, and Resource Management

Residential Environments and Design (RED)

- Adjunct Professor Fall 2020, Spring 2020, & Fall 2013
- Instructor Spring 2014 - Fall 2017
- Teachers of Lighting Workshop 2015

Virginia Tech Graduate School

- BioBuild IGEP, Graduate Teaching Assistant Fall 2020, Fall 2019

Department of Forest Resources and Environmental Conservation

- Graduate Teaching Assistant Spring 2020

Department of Housing, Interior Design, and Resource Management

- Adjunct Professor Fall 1995 - Spring 1996

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ACADEMIC EXPERIENCE

Virginia Tech

Mentoring | Advising | Supervising

- Led Undergraduate Research
 - Interior Design student Fall 2014 - Spring 2015
 - Building Construction student Spring 2019
- Several Students in RED program achieved *NKBA 30 Under 30*
- ASID Faculty Cosponsor for student chapter Fall 1995 - Spring 1996

Course + Curriculum Development | Review

- Residential Design Presentation: 1 credit to 3 credit course redesign (team effort)
- Best Practices for Interdisciplinary Pedagogy: interdisciplinary course development team and teaching team
- Creating the Ecological City: first offering, new course
- 2017 Housing Study Tour: distinctive professional course with custom coordination of site visits and unique interactions with RED Industry Board members and alumni
- NKBA 2017 Accreditation Review of the Residential Environments & Design program

RADFORD

SEMESTER	COURSE NAME	ACADEMIC LEVEL FORMAT INFORMATION
S21	Technical Drafting	1 Studio Hand Drafting
S21	Visual Thinking	1 Studio Team Teaching Making
S21	Sophomore Studio II	2 Studio Team Teaching Concept Making
F20	Design Fundamentals	1 Studio Color
F20	Senior Studio I	4 Studio Team Teaching Concept Commercial

VIRGINIA TECH

F20	Residential Design	2 Online Synchronous Zoom Top Hat
F20	BioBuild	GRAD Lecture IGEP
S20	Creating the Ecological City	4 Lecture Interdisciplinary Capstone Instructor of Record
F19	Interdisciplinary Pedagogy	GRAD Lecture
S14-17	House Planning	3 Studio Presentation Making
S14-17	Adv Residential Technologies	3 Lecture PBL Lighting Making
F13-17	Intro to Residential Technologies	2 Lecture Mechanical Building Systems Appliances
F13-15 S17 F17	Residential Technologies Lab	1 Laboratory Center for Real Life Design
S14-16	Residential Design Presentation	1 Studio Hand + Computer Drafting
S17	Housing Study Tour	1-4 Travel DC+RVA 15 students + 10 locations
F13-17 S14-15	Housing & the Consumer	2 Online Asynchronous
S96	Design Fundamentals II	1 Studio Team Teaching Color 2D+3D
S96	Design Drawing	1 Studio Hand Drafting Rendering
F95	Design Fundamentals I	1 Studio Team Teaching B&W 2D+3D
F95	Presentation Techniques	2 Studio Team Teaching
F92-S95	2-D Design 3-D Design History of Interiors AutoCAD Presentation Techniques	

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EXPERIENCE

Pedagogy

Commercial Design

Residential Design

Construction

Lighting

Mentoring

Research

Project Management

Industry Outreach

ORGANIZATIONS

Current:

NKBA
IES

Future interest:

IDEC
CEDIA

PROFESSIONAL EXPERIENCE

Coordinator

2014-2018

Center for Real Life Design | Virginia Tech

- Responsible for maintaining equipment and appliances.
- Supervised and scheduled the use of the Center and appliances.
- Enlisted new members for RED.
- Conducted outreach workshops for student recruitment.
- Created working drawings on the redesign team with faculty & students for Universal Design & Multi-family Sustainability kitchens.
- Project manager as construction liaison during the remodeling process with University Facilities, University Architects, inspectors & subcontractors.
- Solicited and coordinated delivery for gifts-in-kind for remodeling.

Designer

2008-2012

Kitchen & Bath Galleries | Wilmington, NC

- Produced custom designs for high end client base.
- Project management including scheduling, estimating, purchasing, and supervising field personal and installations.
- Mentored new designers.
- Developed and presented kitchen remodeling seminars to the public at the Cape Fear Homebuilding Show for several years.
- Optimized work flow procedures such as production packages.
- Produced sales volumes (sometimes solely) that sustained the business through the housing recession.

Interior Designer | Contractor

2002-2007

MCarneal Design Consultant (MGC Design) | Blacksburg, VA

- Produced custom designs for high end client base.
- General Contractor of a new custom home for designer's own residence.
- Supervised all aspects of construction, design, and business operations.
- Performed in-house installation and trade work including electrical, tile, interior & exterior painting, hardwood floor installation, & minor interior trim.

Interior Designer | Sales

1998-2002

Lane Homes & Remodeling | Richmond, VA

- Produced custom remodeling designs for high end client base, from small bathrooms to whole house remodels and additions.
- First person in the company's interior design role correlating to increased annual sales to 2.5X preexisting volumes.
- Developed foundational teamwork skills and construction expertise while working with a broad range of stakeholders in Design/Build business models.

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INTERIOR DESIGN EDUCATOR

SOFTWARE

MS Office

Advanced

AutoCAD

Advanced

Chief Architect

Intermediate

2020

Intermediate

Adobe Illustrator

Beginner

Adobe InDesign*

Intermediate

*Fast learner of software. InDesign was implemented for this CV and learned within one week.

PAPERS AND PRESENTATIONS

- Carneal, M. (2021). "Lighting, Layout, Layers & Lumens: A Design Process." *NKBA Voices from the Industry*, KBIS 2021.
- Carneal, M., and Pearce, A. R. (2019). "Addressing Dry Drains: A Bioinspired, Interdisciplinary Design Approach." *Engineering Sustainability 2019*, Pittsburgh, VA, 45–46.
- Beamish, J. O., Hwang, E., Parrott, K., and Carneal, M. (2017). "Real Life Design: A Case Study in Universal Design." *Journal of Family & Consumer Sciences*, 109(4), 14–20.
- Parrott, K., Hopkins, E., Beamish, J., and Carneal, M. (2016). Multifamily Sustainable Kitchen Design Project. In G. Peek, & A. Carswell (Eds.), *Proceedings of the 2016 Annual Conference of the Housing Education and Research Association* (pp. 43-45). Jacksonville, FL. Retrieved from <http://www.housingeducators.org/>
- Pearce, A. R., Doshi, P., and Carneal, M. G. (2016). "Leverage Points for Sustainability: Targeting Stakeholders, Innovations, and Decision Types of Maximal Influence." *Construction Research Congress 2016*, American Society of Civil Engineers, Reston, VA, 1181–1191.
- Saxton, M. W., Carneal, M. G., and Pearce A. R. (2015). "WaterSense Home Label Progress: Lessons from Energy Star & LEED". *Engineering Sustainability 2015*, Pittsburgh, PA.

PROFESSIONAL RECOGNITION

Signature Kitchens & Baths, Magazine

Winter 2011, Pages 46-47
"Room for Revelry"

HouseTrends, Magazine

Greater Richmond
October 2006, Volume 2, Issue 5, Pages 60-68
"Grand Expectations: Spectacular kitchen pays attention to the details"

NKBA Virginia Chapter Awards

- 2002 Competition | Small Kitchen Design, 2nd Place
- 2001 Competition | Large Kitchen Design, 3rd Place