

Ayodele Iyanalu

Assistant Teaching Professor

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Education

Master of Architecture,
Iowa State University, Ames, Iowa.

Master of Design in Sustainable Environments, Iowa
State University, Ames, Iowa.

Master of Technology in Architectural Engineering
Federal University of Technology Akure, Ondo, Nigeria.

Bachelor of Technology in Architecture,
Federal University of Technology Minna, Niger, Nigeria.

Academic Appointment

2016-Present date

Assistant Teaching Professor

Department of Architecture, College of Design, Iowa State University,
Ames, Iowa. Lecturer of graduate and undergraduate studies with a focus
on speculative designing and building technology.

5.2.2.3 TEACHING

Spring 2019 ARCH 202

Sp19	Architectural Design II 2nd Year Undergraduate
ARCH 546L Sp19	Building Science & Technology II Lab Master of Architecture I
ARCH 548L Sp19	Building Science & Technology IV Lab Master of Architecture II
ARCH 509 Sp19	Independent Study Master of Architecture

Fall 2018/2019

ARCH 301 F18/19	Architectural Design IV 3rd Year Undergraduate
ARCH 545L F18/19	Building Science & Technology III Lab Master of Architecture I
ARCH 547L F18/19	Building Science & Technology I Lab Master of Architecture II

Spring 2018

ARCH 202 Sp18	Architectural Design II 2nd Year Undergraduate
ARCH 546L Sp18	Building Science & Technology II Lab Master of Architecture I
ARCH 548L Sp18	Building Science & Technology IV Lab Master of Architecture II
ARCH 509 Sp18 DSN	Independent Study Master of Architecture
S 302	Design Leadership Seminar

Fall 2017

ARCH 201 F17	Architectural Design I 2nd Year Undergraduate
ARCH 545L F17	Building Science & Technology I Lab Master of Architecture I
ARCH 547L F17	Building Science & Technology III Lab Master of Architecture II

Spring 2017

DSN S 102 (13/14) Sp18	Design Studio I 1st Year Undergraduate Core Design
DSN S 102 (33/36) Sp18	Design Studio I 1st Year Undergraduate Core Design
DSN S 302 (3) Sp18	Design Leadership Seminar Design Studies Undergraduate

Fall 2016

DSN S 102 (9/10/11/12/31/32) F16	Design Studio I 1st Year Undergraduate Core Design
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Course Summary

Building Science & Technology Labs I,II,III,IV. ARCH 545L (6 cr), 546L (2 cr), 547L (4 cr) & 548L (2 cr)
This is a multi-year sequence covering several semesters and subjects of architectural building technologies. It focuses on three fundamental modules of building technology: environmental systems, materials/assembly, and building structures. Lectures are designed to introduce students to qualitative and quantitative topics. The topics focus on the introduction to code, graphic standards, material classification, detailing, climatology, psychrometry, principles of equilibrium, forces and structural analysis are mastered by applying lectures through physical experiments and written reports.

Architectural Design I ARCH 201, 6 cr

Introduction to architectural design. Introduction to architectural design, including precedent research, drawing conventions, model making, and diagramming. Studio projects focus on investigating the impact of specific site conditions on design, threshold conditions, and small-scale domestic space. Students learn skills in problem solving, visualization, and written, oral, and graphic communication.

Architectural Design II ARCH 202, 6 cr

This studio is a continuation of fundamental architectural design exploration and an introduction to design/builds. Projects included a public design-build at Reiman Gardens, Ames, IA.

Architectural Design IV ARCH 301, 6 cr

The studio is a required 3rd Year Bachelor of Architecture course that examines relationships between site and architecture.

Design Studio I DSN S 102, 4 cr

The Core Design Program is the foundation for undergraduate degree programs in the College of Design. Emphasis on fundamental skills and ideas that explore the interaction of two-and three-dimensional design. Investigation of creative process, visual order and materials, and development of critical thinking through studio projects and lectures. Includes study of precedents, contemporary design practices and disciplines in their cultural contexts.

Design Leadership Seminar Dsn S 302 , 2 cr

To create an awareness and understanding of design studio pedagogical issues and reflect on how their position as a role model and teaching affects students, preceding and culminating with their topic group-readings and workshop.

Graduate Teaching Experience

Fall 2015- Spring 2016	Graduate Teaching Assistant, Department of Architecture, Iowa State University, Ames, Iowa. Laboratory Graduate Teaching Assistant for the Arch 342&343 Building Science &Technology Sequence.
Spring 2015	Graduate Research Assistant, Department of Architecture, Iowa State University, Ames, Iowa. Study of Light Weight shell and concrete structures.
Fall 2014	Graduate Teaching Assistant, Department of Architecture, Iowa State University, Ames, Iowa. Teaching Assistant for the ARCH 230 Undergraduate Design Communication course.

Professional Experience

2013-2014	Construction Consultant, Q-Score Enterprises, Lagos, Nigeria
2012-2013	Junior Construction Supervisor, Federal Housing Authority, Abuja, Nigeria.
2012	Project Architect, Architects Collaborative Designs, Lagos, Nigeria.
2010-2012	Junior Architect, UKJ Consultant, Lagos, Nigeria.
2010	Architectural Designer & Project Supervisor, FGBB Fort, Ondo, Nigeria
2006-2007	Architectural Intern, DES'ARC Consortium, Kaduna Nigeria.

Awards, Scholarship and Conferences

2016	Kocimski Award for exceptional achievement (\$2700).
2011	Design of a Renewable Energy Development and Training Center. Emphasis on Net-Zero Energy.
2008	Design of and Wind and Solar Energy Exposition Center. Emphasis on Low Cost Construction Techniques.

5.2.2.4 RESEARCH AND CREATIVE ENGAGEMENT

2018-2019		Water Wall: Research and development and exhibition of series of concrete water canister for Engineers without Borders. The objective of the research is to investigate constructions methods for efficiencies, effective and economic water storage. Primary researcher: Professor Rob Whitehead.
2018-2019		Puppet Details: Speculative Anthropometric Structures A study of lightweight deployable structures through biomimetic analysis.
2018	Òã~ &æí }	Prism: a 1500 SF structure for Reiman Gardens (\$20,000 budget) Co-supervised Nick Senske, Roman Chinkerinets, Reinaldo Correa and Leslie Forehand.
2017		Prairie Revival: a 2000 SF Public Interest Design Sculpture at Lowe Park, Marion Iowa Credits-Reinaldo.
Other Work	Art	"Marsks": An interdisciplinary public art installation that engages social contradictions of climate change and individual impacts on climate. Collaborating with Nathan Edwards in the Arts and Visual Culture Department. The objective of this project is to create cross-cultural artifacts that can reveal unorthodox methods of debate.
	Technology	Research and development of a force displacement device for application in building facades and structural assemblies.

5.2.2.5 EXTENSION AND ACADEMIC SERVICES

2018/19		Architecture Department Representative at the Chicago Architecture, College Fair.
2016-2019		Design Studies 102 Portfolio Workshop.
2018		4H Youth in Workshop in collaboration with 3rd Year Architecture Students at Iowa State University. jima/AAPI CYLA (Culturally-based Youth Leadership Accelerator) Retreat is an annual retreat that engages youth from the African American and Asian American Pacific Islander populations to campus in STEM related activities.