

ASSIGNMENT BRIEF #10

Discovery

Measure 10: DESIGN FOR DISCOVERY

Sustainable design strategies and best practices evolve over time through documented performance and shared knowledge of lessons learned.

Narrative: What steps would you take to ensure that the building performs the way that it is designed? What lessons have you learned from this project that you will apply to the next project? What lessons have you learned from past projects that were applied to this project?

Suggested Graphics: Open

Metric: None

ASSIGNMENT:

1. Research similar projects, built and unbuilt, that targeted and achieved regenerative, resource-efficient, and high performance goals. What can you learn from them?

For Final Presentation:

2. In less than 100 words, describe What steps you would take to ensure that the building performs the way that it is designed? What lessons have you learned from this project that you will apply to the next project? What lessons have you learned from past projects that were applied to this project?

DELIVERABLES:

- **Design Precedence Case Studies** - presentation deck to share with class
- **Narrative on Design for Discovery** (<100 words)

SUBMITTAL:



Submit as PDF via university interface (Blackboard, Canvas, Edmodo, Google...) using the following NAAB file format:

COURSENO_INSTRUCTOR_yourlastname_yourfirstname_ASSIGNMENT10_YEARTERM

DUE:

Resources:

Living Building Challenge case studies https://living-future.org/lbc-3_1/case-studies/

ACSA COTE Past Winners <https://www.acsa-arch.org/programs-and-events/competitions/>

ACSA AIA COTE Top Ten Studio Guide

<https://www.acsa-arch.org/competitions/2021-cote-competition/studio-guide/#tools>

Associated NAAB Content:

Program Criteria

PC.2 Design—How the program instills in students the role of the design process in shaping the built environment and conveys the methods by which design processes integrate multiple factors, in different settings and scales of development, from buildings to cities.

PC.3 Ecological Knowledge and Responsibility—How the program instills in students a holistic understanding of the dynamic between built and natural environments, enabling future architects to mitigate climate change responsibly by leveraging ecological, advanced building performance, adaptation, and resilience principles in their work and advocacy activities.

PC.5 Research and Innovation—How the program prepares students to engage and participate in architectural research to test and evaluate innovations in the field.

PC.6 Leadership and Collaboration—How the program ensures that students understand approaches to leadership in multidisciplinary teams, diverse stakeholder constituents, and dynamic physical and social contexts, and learn how to apply effective collaboration skills to solve complex problems.

PC.7 Learning and Teaching Culture—How the program fosters and ensures a positive and respectful environment that encourages optimism, respect, sharing, engagement, and innovation among its faculty, students, administration, and staff.

PC.8 Social Equity and Inclusion—How the program furthers and deepens students' understanding of diverse cultural and social contexts and helps them translate that

understanding into built environments that equitably support and include people of different backgrounds, resources, and abilities.

Student Criteria

SC.1 Health, Safety, and Welfare in the Built Environment—How the program ensures that students understand the impact of the built environment on human health, safety, and welfare at multiple scales, from buildings to cities.

SC.2 Professional Practice—How the program ensures that students understand professional ethics, the regulatory requirements, the fundamental business processes relevant to architecture practice in the United States, and the forces influencing change in these subjects.

SC.4 Technical Knowledge—How the program ensures that students understand the established and emerging systems, technologies, and assemblies of building construction, and the methods and criteria architects use to assess those technologies against the design, economics, and performance objectives of projects.

Illustration Credit COTE Top Ten Winner 2020

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