

# *UVA SAWMILLING*

*THE 1ST ANNUAL DESIGN-BUILD COMPETITION*

# **MILL TO BUILD**

*SETTING THE STAGE FOR SUSTAINABLE PRACTICE*



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# Introduction

UVA Sawmilling, at its core, is aimed at **Preservation, Sustainability, and Education** through an exploration of the latent resource that is UVA's fallen trees. These trees pile up at UVA Landscaping's dump site and are otherwise turned into wood chips. Dimensional lumber is provided at no cost to UVA students for internal projects and Heritage Trees slabs are set aside for special projects and recently, public sale. Through upcycling of material, **UVA Sawmilling seeks to continue the legacy of these fallen trees.** We are keepers of their carbon, their stories, and share them with the UVA Community and beyond.

For over two and a half years, UVA Sawmilling has provided quality material to University students free-of-cost, and shared the importance of urban forestry with the community. **Our mission is to empower students, faculty, and staff to understand approaches to lumber processing, urban wood utilization, and various woodworking techniques, in order to design more sustainably.**

# The Competition

Mill To Build is all about engaging students in the **practical and sustainable use of material available on Grounds, moving from tree to rough-sawn lumber to built structure.** This competition proposes the design and fabrication of an installation that will be the centerpiece of an outdoor education space. Competitors are therefore asked to **imagine and create a structure that promotes interdisciplinary dialogue here at UVA.**

The intention of each team's proposal should be to **design small-scale installations (fitting within the constraints of an 8-foot cube) that spark conversation between team members' disciplinary backgrounds and the sustainable use of urban wood.** Teams should consider the feasibility of their design, as **the winning design will be built and fully realized by the end of the academic year.** Teams should pay attention to the most efficient use of material and how this efficiency can be furthered by specific milling practices.

The winning design, chosen from a jury of select critics, will be built by the design team and UVA Sawmilling volunteers. **Working together with UVA Sawmilling throughout the Spring Semester, the team with the winning design will work to generate technical/shop drawings, layout a schedule for fabrication and curate cut-lists of material to be custom milled by a local sawyer.**

**Teams are encouraged to go beyond re-creations of conventional building and explore exciting and innovative designs.** The form that each proposal takes is entirely up to the individual team. Examples include but are not limited to interactive seating, habitable structures, deployable furniture, sculptural pieces. The goal is to explore wood properties and sustainable practices.





# The Site

The winning design will be sited on the North Terrace of the School of Architecture, as it boasts a large open area with multiple siting and perspective options. Installations erected here will be seen by, reflected upon, and investigated by many students who traverse arts grounds. **We encourage teams to visit the space in person to assess possible locations, viewing perspectives, and microclimatic experiences.** These choices can impact the reception of your concept and the way in which others will experience your design in wood.

# Competition Schedule

**Competition Announcement**

November 28th, 2022

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**Release of Design Brief**

December 1st, 2022

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**Registration Dates**

December 1st, 2022- January 11th, 2023

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**Closing of Submissions**

January 22nd, 2023 @ 11:59pm

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**Announcement of Winning Submission**

January 25th, 2023





# Evaluation Criteria

The Jury will evaluate the submitted proposals according to the following principles:

- **Feasibility of construction within timeline**
- **Originality of concept**
- **Suggested material use strategy**
- **Integration with the context**
- **Graphic representation**
- **Follows dimensional constraints**

Creating technical-constructive details is not considered necessary in the evaluation process.

# Awards and Mentions

## **1st Place Award**

Completion and fabrication of final design proposal

## **Golden Mention**

## **Honorable Mentions**

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## **Publicity Campaign**

- Write up with the School of Architecture
- Feature on the UVA Sawmilling Website and Instagram
- UVA Sustainability





# Registration



Student teams will be able to register starting December 1st, 2022 using the following [GoogleForm](#). **Teams will have until January 11th to register for the competition.** It is important to ensure that all members of the team understand the commitment that comes with winning the competition should their design be chosen.

**All members of the team must agree to both work on generating the necessary technical drawings and fabricating the final build.** Any team that does not agree to these terms will be ineligible and will not be able to participate in the competition.

# Submission Requirements

**Competitors should submit the following materials:**

**1) Two 18"x24" panels**

- File Format: PDF
- File Name: TEAMCODE\_1 (ex. ABC123\_1)
- File Name: TEAMCODE\_2 (ex. ABC123\_2)
- Maximum File size : 20MB each

**The panels should contain all necessary graphic information to explain the project efficiently and effectively (title, diagrams, sketches, collages, model photos, etc...). All types of graphic representation will be accepted. Some examples include:**

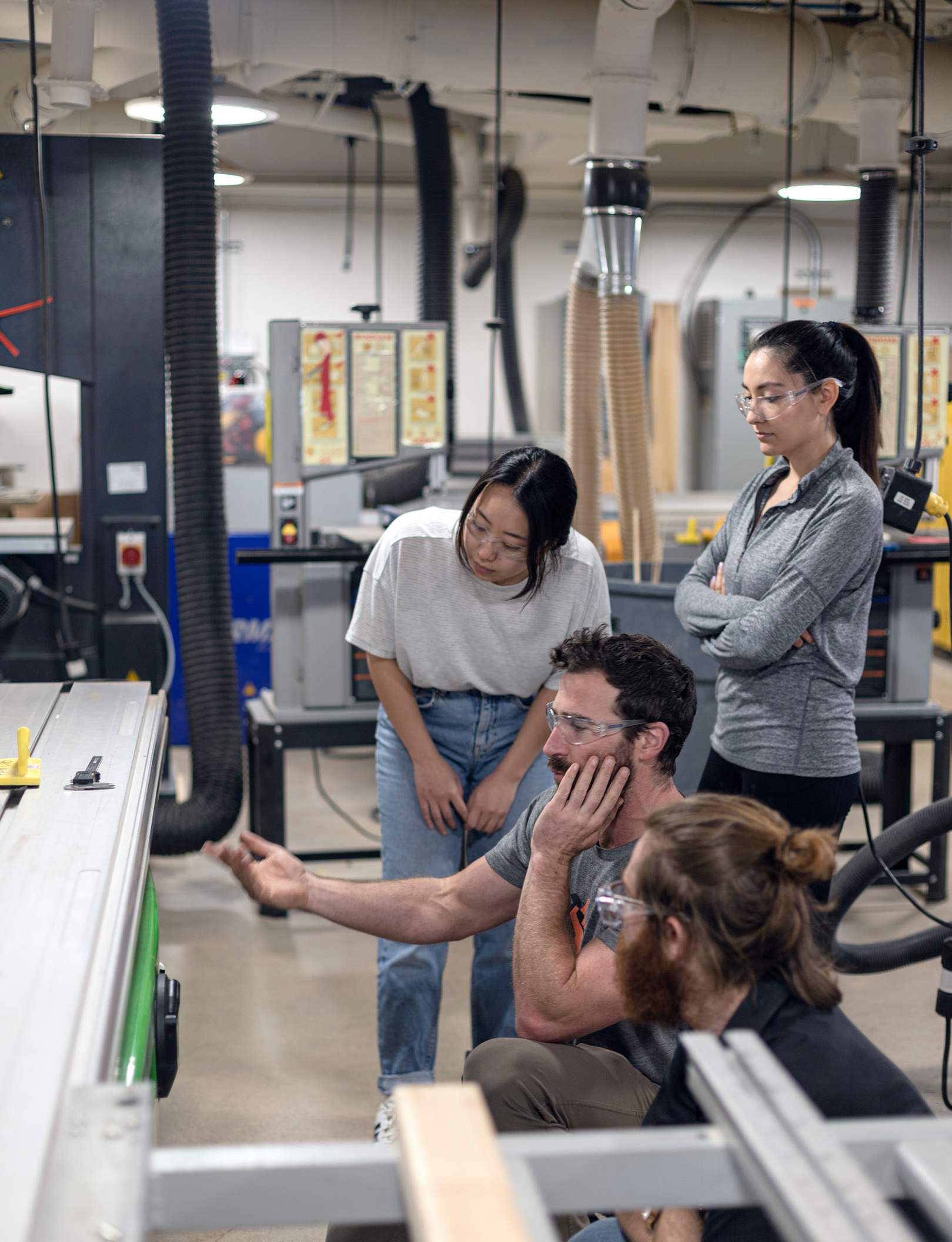
- 3D model/ photographs of model
- Perspective/ ideogram
- Plans, section, elevations
- Hand drawings/sketches
- 18"x24" (max 2) board digitally submitted
- Diagrams and process sketch

*The submitted panels must NOT contain any reference to the identity of the students (name, year, major, etc.) Please make sure that all files have your TEAMCODE included in the lower right corner of each panel.*

**2) Competitors must also include with their proposal a brief text describing the proposal:**

- File Format: PDF
- File Name:TEAMCODE\_Statement
- Max Length: 300 words





# Rules and FAQs

**This competition is open to all students enrolled at the University of Virginia from any level of study (undergraduate, graduate, PHD).**

- Teams must be no larger than 5 students and no less than 2 students
- All members of your team must sign the confirmation to complete and enroll in the Independent Study for this Competition
- Students must not post or share any of their designs publicly before the announcement of winners. Any violation of this will result in disqualification
- Students must be enrolled at the University of Virginia to participate in this competition
- In the confirmation email you will receive your TEAMCODE that will be your identifier for all final submission files
- Submissions will only be accepted through the correct Google Form that will be available on the UVA Sawmilling Website
- Participants can address any questions to [UVASawmilling@Virginia.edu](mailto:UVASawmilling@Virginia.edu). Every question will be answered by email
- Updates will be shared with all team leaders via email and also posted on the UVA Sawmilling website

# The Jury

A jury of 3 to 5 people will be chosen to evaluate the proposals based on the aforementioned criteria. Students are asked NOT to consult with the chosen jury members when they are announced. Any teams that approach a jury member about the competition will be disqualified. The announcement of Jury members will be posted on the UVA Sawmilling website.



