



Living Lab Grant Application

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Statement of Understanding

Faculty member grant applicants must sign below in order for a proposal to be considered for funding.

I hereby consent that all information provided in the above application is accurate. I agree to commit to this project should it be selected for funding. I will provide physical and technical support throughout the project lifecycle. The requesting department is responsible for any and all additional costs incurred by the project after the proposal and budget have been approved. I agree that this agreement may be electronically signed. I agree that the electronic signatures appearing on this agreement are the same as handwritten signatures for the purposes of validity, enforceability, and admissibility.

Faculty Grant Applicant

Name	Carolyn Henne
Title	Professor
Department	Art
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General Project Description

Course Information

Course Number	ART4928C & 5928C-0001
Course Name	Iterative Making thru Moldmaking, Casting and Faux Techniques
Course Description	This course introduces students (undergrad and grad) to various mold making and casting techniques and materials (plastics, rubber, plasters, wax, etc). Processes and materials for making an object appear to be made of a different material (faux techniques) will also be introduced. We will focus on the conceptual and practical benefits and challenges of making through iteration (repetition) through multiples and "faked materials". Assignments will be designed to support and advance each artist's research interests. Classtime will be used for discussions, formal and informal critiques, demonstrations, presentations, and independent work as time allows. Readings, writing, and independent work will be required outside of class time as well.

Project Category

Education for sustainability

Select all categories relevant to the project.

Project Description

Campus as a Living Laboratory projects utilize the campus and community as a living laboratory for multidisciplinary student learning and applied research. They involve active and experiential student learning and contribute to understanding or advancing sustainability.

Describe how the project relates to the Living Lab initiative and the Sustainability Strategic Plan goals.

FSU's Department of Art sculpture students and sculpture Professor Carolyn Henne will collaborate with Dr. Sandra Brooke, a Coral Ecologist at the FSU Coastal and Marine Laboratory, to realize the first step of a two-step plan to build a coral reef scape on the grounds of the Coastal and Marine Lab. The reef scape will serve as an educational tool to physically show and demonstrate the nature of a living coral reef for the wide range of visitors to the lab. The reef scape will feature signs with digital barcodes that link to websites with information to educate the public about the impacts to coral reefs, from natural causes and human activities.

For the first phase, the students will produce the complex and colorful marine life that lives amongst the coral reefs. Dr. Brooke will provide guidance through lecture regarding coral and the sea life that depends on coral reefs for survival. She will provide feedback as the students model the creatures. Thereafter, they will learn to make the intricate molds and, then, learn to cast them with a variety of materials and colorants needed to accurately portray them.

Phase two will be to use coral heads provided to Dr. Brooke by US Fish and Wildlife, as part of a large shipment of corals that were imported illegally from the Solomon Islands. The donation stipulated these specimens can only be used for research or education purposes, and the proposed project fulfills that requirement. We will use the coral head to build the reef scape and incorporate the students' work. Student participation in the second phase will be to assess the site and to participate in the design. Due to the distance to the lab, students will not build the reef scape. Henne, Brooke and the staff at the Coastal and Marine Laboratory will see it to completion it during spring/summer 2020.

Project Goals and Objectives

Describe the project goal(s) and objectives. For each objective, describe metrics for assessment.

With this project, students will learn about the importance of corals, how their survival is being imperiled, Dr. Brooke's research and how this sculptural depiction of a coral reef and sea life can better educate the public on the challenges and the beauty of these ecosystems.

At the same time, students will be learning about mold-making, casting with colorants and layers and assembling parts to make each sea creature.

Metrics: This is part of a course for which the students will be graded.

- Students will research and give presentations on a sea creature, its habitat and its relationship to corals.
- Students are graded on productivity, engagement, creativity, and technical acquisition.

Project Implementation

Detail the project timeline and steps for implementation. Include relevant dates and responsible personnel for tasks when possible.

Phase 1:

- 2/27/20 – Introduction of project. Lecture: Dr. Sandra Brooke
- 2/27-3/26 (Spring Break 3/16-3/20) – technical demos, work days, in process critiques
- 3/31 – Final Critique – all castings of sea creatures completed

Phase 2:

- 4/2 – field trip to FSU Coastal and Marine Lab for a design charrette (collaborate to present designs for reef scape on the site)
- Spring/Summer 2020 - Henne, Brooke and lab staff fabricate and assemble the reef scape on site at the Coastal and Marine Lab

Project Budget

Green Fund Living Laboratory Grants have a maximum award amount of \$500.

Download the [Green Fund Budget Template](#). Upload the completed budget and justify expenses in all relevant categories below.

Upload Budget

<https://sustainablecampus-fs.us.fluidreview.com/resp/424192/1WddeTMTQH/>

Budget Justification

Describe why budget line items were included in the relevant categories below. Detail why each line item is categorized as Grant Request, Other Cash/Monetary Contribute, or Other In-Kind Contribution. If costs were estimated for in-kind services, explain the calculation process.

Labor	all labor provided by faculty, staff and students
Equipment	We will be using Department of Art equipment and tools to realize this project.
Materials/Supplies	Materials for modeling the creatures, making molds and casting in materials that are UV and heat resistant. Department of Art is providing some of the materials needed.
Land/Venue Rental	(No response)
Transportation	Van to take students to Coastal and Marine Lab.
Other	(No response)

Purchasing and Reimbursement

After receiving an award, departments are responsible for purchasing supplies upfront and submitting receipts to the FluidReview grant management site.

If your department cannot purchase supplies and other materials upfront, explain the financial limitations below.

(No response)

FSU Green Fund Budget Template							
Project Name	Iterative Making thru Moldmaking, Casting and Faux Techniques						
Project Lead	Carolyn Henne						
Line item description	Category*	Unit Cost	Quantity	Total Cost	Grant Request	Other Cash/ Monetary Contribution	Other In-Kind Contribution
<i>User inputs below</i>	<i>User selects below</i>	<i>User inputs below</i>	<i>User inputs below</i>	<i>Locked formula</i>	<i>User inputs below</i>	<i>User inputs below</i>	<i>User inputs below</i>
ACTIVA Activ-Wire Mesh 24"by 10' roll	Materials/Supplies	\$30.49	2	\$60.98	\$60.98		
Apoxie Sculpt - 2 Part Modeling Compound (A & B) - 4 Pound, Natural	Materials/Supplies	\$44.95	2	\$89.90	\$89.90		
Mica Powder 24 Color	Materials/Supplies	\$24.99	1	\$24.99	\$24.99		
Clearcast 7050 UV Resistant Clear Art epoxy Resin	Materials/Supplies	\$79.99	3	\$239.97	\$239.97		
UVO 9 Pack Color Pigment Sampler	Materials/Supplies	\$35.41	1	\$35.41	\$35.41		
Smooth-On Rebound 25 Brush On Silicone Moldmaking Rubber 18 lbs	Materials/Supplies	\$196.58	1	\$196.58	\$196.58		
Thi Vex Thickening Agent - 1 lb	Materials/Supplies	\$16.59	1	\$16.59	\$16.59		
Rental Van for class trip to Coastal and Marine Lab	Transportation	\$79.55	1	\$79.55	\$79.55		
Gas - based on 20 mi/gallon with \$2.80/gallon - 45 mi each way	Transportation	\$15.00	1	\$15.00	\$15.00		
Shipping for Smooth-on rebound, Thi Vex (other are Amazon so no cost to ship)	Materials/Supplies	\$50.00	1	\$50.00	\$50.00		

Henne, Brooke, students, staff at labs in Art, Marine Lab -can't be estimated	Labor			\$0.00			\$0.00
Materials provided by department - estimate	Materials/Supplies			\$450.00			\$450.00
Equipment and tools - provided by Dept of Art - can't be estimated	Equipment			\$0.00			\$0.00
Summary Totals				\$1,258.97	\$808.97	\$0.00	\$450.00