Results for SAF Contingency Proposal Form 2018-2019 (By Participant)

Results for: Hawthorne, Alex

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Question	*Response*
Question: Proposing Group: (i.e. Career Services, Sustainability Club, Campus Events Board, IEE, etc.)	Makerspace
Question: Department/ Organization: (i.e. FYPP, Student Affairs, Recreation and Wellness, etc.)	Makerspace
Question: Contact Person: This person will be the sole point of contact for any questions or additional information requests from the SAF Committee regarding your proposal.	Alex Hawthorne
Question: Contact Email: This person will be the sole point of contact for any questions or additional information requests from the SAF Committee regarding your proposal. Please include a regularly checked email as the SAF Committee contacts groups primarily through email.	alex@hawthornes.net
Question: Contact Phone: Please include the phone number of the contact person. This person will be the sole point of contact for any questions or additional information requests from the SAF Committee regarding your proposal.	4252050988
Question: Budget Owner/ Faculty or Staff Member: This person is a faculty or staff member who will be fiscally responsible for the SAF allocation. Please consult with this person before listing their name. This person must be authorized in UW procurement and fiscal systems and familiar with university purchasing policies and processes. For student clubs, please coordinate with Student Engagement & Activities and Club Council (uwbclubs@uw.edu).	Rafael Silva rafaelsi@uw.edu
Question: Executive Summary of Your Proposal: Please provide a concise overview of the program, activity, or service for which you seek funding. * Remember that the contingency process is for new ideas/ initiatives only from students, all other requests must be made during the Annual Cycle. Typically budgets are available in February. Complex events may take up to 8 weeks to plan, so keep this in mind when proposing a contingency proposal for an event.	The Makerspace has the biggest potential on campus for exploring innovative areas and to develop cutting edge skills. It isn't just a service or a place but a community of people who gather in a collaborative environment to engage in maker-oriented endeavors. It enables unique possibilities on curricular and co-curricular activities, so students go to the Makerspace to have a complete academic experience. Even though it is opened to the whole academic community, there are still a substantial number of people that are not aware of the Makerspace and all it has to offer. It's necessary to actively engage students, mainly from non-STEM majors, to develop all its potential. The most popular machinery at the Makerspace are the 3D printers and recently a whole new set of 3D printers were acquired. These printers are a game

	changer as it provides the latest features in the field and allow many new possibilities; users can now 3D print using up to 50 different types of materials and fabricate objects 3 times larger than what was previously possible. Regular users are very excited and eager to fully use the new equipment, however the Makerspace operations budget isn't big enough to acquire a large variety of materials nor able to provide supplies for more than a couple large prints per month. Additionally, we feel that the arrival of the new equipment can provide momentum to advertise these amazing features. Also, the equipment will allow all students to explore what is possible inside the Makerspace. This project proposes to make available unique filaments in order to allow advanced users to explore the full potential of the new 3D printers in the Makerspace. In addition to support events to attract new students as well as to advertise the full potential of the devices and help novices to use it. Such events will be a great opportunity to promote a better integration of the UWB's maker community and to expand the usage of the space.
Question: Need for this Program/ Service: In 200 words or less, please do the following: *Describe the need for this program or service. * If possible, include any data that might support your proposal (i.e. surveys indicating a need for your initiative).	There are an increasing number of students using the Makerspace as a capstone project center and for school clubs. They are frequently being turned away due the limited amount of supplies.
Question: Estimate the number of students that will benefits from your proposed program/ service: In 200 words or less, please do the following: *Indicate what the benefits of your proposed program for students will be *Estimate how many currently enrolled students will likely benefits from your proposed service or program. *Estimate the number of any other individuals (and indicate their affiliation) that might benefit from this service or program.	The Makerspace currently attends an average of 200 students per quarter, and around 10 students clubs actively use the space for meetings and to work on projects.
Question: Additional Information: If needed, please include any other information you feel is relevant to your request. (There is no character limit on this field).	The Makerspace is one of the most popular locations during orientation for new students; hundreds of new comers attend these welcoming sessions every year. They are generally really excited about the Makerspace at first, but the lack of follow up events and activities for this audience makes them quickly forget about it and rarely return. We see this initiative as a way to provide concrete ways for the new students stay connected and become active members. We are planning to use the funds to host three types of events: An introduction for beginners (so people can get started with 3D printing); Activities for advanced users (so people can have technical activities and use all the features available in this equipment) . A social event –similar to a Maker Faire– where students of all levels of skills and interests will gather to show their 3D printed creations and have activities related with this theme.

The beginner event will be an introduction into 3d printing, reaching out to people who are interested in 3d printing but who have never had any interaction with it in their life. This event will take place in 3 parts. The first part will be an introduction into 3d printing explaining how printers, what benefits there are and how they can use them.
The second part will be a more interactive portion to the event. The attendees will bring a laptop to make their first 3d model. This will be using a online software that is free called Tinkercad. Tinkercad is a easy to use software that anyone can use. Guiding the attendees through a series of steps we can create their first 3D model. Now that we have the third portion done comes the final and most exciting part of the eventing, using the 3D printers to make what they have created.
This final part of the event will be explaining how to print on these printers. This is to guide the users through slicing their model and loading it onto the prints. The goal of this event is for the attendees to walk away with 2 skills. First the skill to find and create 3D objects so that the attendee can create their own objects in the future. Second is the skill and confidence to use the 3D printers in the Makerspace. With these two goals in mind we believe this event has the potential to reach any student who has interest in using the 3D printers in the Makerspace.
The advanced event will be offered as a more indepth dive into 3D printing for more practical applications. This event will entail a multitude of topics. Including but not limited to, the exploration of different types of filaments that the maker space has to offer, maintenance and general troubleshooting for problems that might arise when using 3D printers.
The introduction to the advanced event can show the impacts of different filaments on the 3D printer and how to changing out the nozzles and adjusting settings can reduce issues and improve prints. Then, showing how these prints come out on the printer itself, using the specific settings or fixing the issue that will be covered in the event.
We plan to make the advanced event more focused around people taking skills to maintain and use 3D printers in more professional settings by giving people the opportunity to work with 3D printers and talking about the issues they may face.
Finally, we'll have a more networking based (rather than technical) final event open to all students, but focused on connecting all the students that participated in the previous activities. The activities for this final event are still to be determined, however, the main idea is to take advantage of the knowledge and enthusiasm generated by the previous events to strengthen the relationships of students with the Makerspace and provide them an opportunity to understand how they could keep involved.

Question:
Programming/ Events: Describe the funds you

N/A

are requesting in detail below. Please put total dollar amount of programming/events in the bottom of this box.	
Question: Facilities and equipment rentals/ Set-Ups: Describe the funds you are requesting in detail below. If you require facilities/equipment rental and assistance with set up, please indicate it here. Take into account custodial fees and clean up https://www.uwb.edu/arc/events/reservation-policies. Please put total dollar amount of facilities and equipment rental and any set up costs at the bottom of this box.	We plan to utilize the equipment already in the Makerspace facility and don't anticipate we will need any additional funding in this area.
Question: Printing & Photocopying: Describe the funds you are requesting in detail below. Please put total dollar amount of printing/ photocopying in the bottom of this box.	This will be used to print posters so that the event may be advertised those outside of the Makerspace area. $200 USD
Question: Office Supplies: Describe the funds you are requesting in detail below. Please put total dollar amount of office supplies in the bottom of this box.	N/A
Question: Food/ Refreshments: Review the food policy/ food form for the University policies before asking for food. The Food Policy is below the food form in the link https://www.uwb.edu/finance/food-approvals. Understand that food for normal meetings is not allowed. Describe below the reason you are requesting food and how it meets the food policy. Please put total dollar amount of food/refreshments in the bottom of this box.	We will be using this food budget for specific events mainly the first event so that way we can inform the public of the Makerspace and the tools that we are making available to them. Without this food incentive we may not be able to entice the non-regulars of the Makerspace, who are too intimidated by a lack of knowledge to use the tools inside of the Makerspace. We hope that the use of food in the first event will help bridge this gap, and encourage people to come back and use the Makerspace to its fullest. $600 USD
Question: Promotional Items: Promotional Items are designed to promote any student organization, group, or funded project or service and are limited to a total value of $800 per year unless expressly stated otherwise by the Services and Activities Fee Committee at the time of allocation.	N/A
Question: Equipment Rentals/ Purchase: Describe the funds you are requesting in detail below. Please put total dollar amount of equipment rentals/ purchase in the bottom of this box.	Funds will be will be split into main parts, filament for the printers and nozzles for the printers. With the provided funds we would like to be able to purchase a variety of filaments for the different applications that they have. The types of filament we are requesting are not cheap, especially in volume. The uses of these filaments though are critical for exploring the uses of the new printers. An example of a use with the special filament is building a basic keyboard with conductive filament. Another example of this is the worm gear the robotics team is making. Making this worm gear out of carbon fiber filament would make the worm gear stronger and lighter for the weight constraints of the robotics competition.

	Nozzles will be purchased to increase the longevity of the printers. When specialty filaments go through the nozzles the filaments wearout the nozzle and will make it so that they will have to be replaced. We are specifically looking to buy a variety of nozzles so that we can have high quality nozzles for future students to use. Software for the newest printers and future printers will come with the possibility of not working with open source software. This raises the issue of the newest printer the MakerSpace has ascertained is lacking the software to be operational. Purchasing this software will make it so that the printer becomes operational. $2,767 USD
Question: Transportation: Describe the funds you are requesting in detail below (indicate in state/ out of state, as well as type of transportation). Please put total dollar amount of transportation in the bottom of this box.	N/A
Question: Meals and Lodging for Travel: Describe the funds you are requesting in detail below. Please ensure that you are in compliance with applicable per diem rates for meals. The rates are available at the following link: https://www.gsa.gov/travel/plan-book/per-diem-rates Please note that hotel bookings are typically done through the University. Please put total dollar amount of meals and lodging in the bottom of this box.	N/A
Question: Other: Please include any other expenses that don't fall under any of the above categories in detail. Please put total dollar amount of other in the bottom of this box.	N/A
Question: Total Amount Requested: Please take the time to carefully add all of your figures from above. Please note that adjustments will not be made to the total amount requested in the event of an error. Round your final total up to the nearest dollar.	$4,300 USD, this includes S&H and Tax any overages will be put back into filaments for general purpose for everyone to use.
Question: Terms and Conditions: *I have read and agree with the terms and conditions of the SAF Bylaws: http://www.uwb.edu/studentlife/safc/safbylaws *I understand that once submitted, adjustments cannot be made to the requested amounts listed above. *I understand that hearings will be held between 8:30AM-12:00PM on Friday, November 16th, 2018 and someone from my group will be available to attend a brief hearing scheduled during that time frame.	I agree