

#2020.018

STUDENT TECHNOLOGY

GRANT PROPOSALS

2019 - 2020

TRACY BROWN: ACCEPTED

OPPOSED:

COMMENTS:

No technical issues

SIGNATURE: *Tracy Brown*

DATE: 12/2/19

HEATH FITTS: ACCEPTED

OPPOSED:

COMMENTS:

Drone use will require operator to have FAA part 107 certification

SIGNATURE: *Heath Fitts*

DATE: 12/4/19

SHAWN PARR: ACCEPTED

OPPOSED:

COMMENTS:

SIGNATURE: *Shawn Parr*

DATE: 12/3/19

BLAYNE HENSON: ACCEPTED

OPPOSED:

COMMENTS:

Seems redundant.

SIGNATURE: *Blayne Henson*

DATE: 12/4/19

PHILLIP MARTIN: ACCEPTED

OPPOSED:

COMMENTS:

How often are videos produced? no technical issues

SIGNATURE: *Phillip Martin*

DATE: 12-13-19

2020.018
FF

Northwestern State University of Louisiana

2019-2020 Student Technology Fee Grant Application

Please Complete the Entire Application

Prepared by: Michael Scanlan For: Michael Scanlan

Department/Unit: Sciences College: COAS Campus: Natchitoches

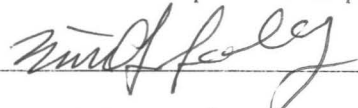
Which NSTEP Goals/Objectives does this project meet?
Objectives 1, 7, and 8

Requested equipment will be located/installed/housed? Building Fournet Room 227

Does the department receive lab fees? (circle one) YES NO

Are department property policies and procedures in place for requested equipment? Yes

Which individual will be responsible for property control of the requested equipment?

Signature:  Date: 11-27-19

Proposal Requested Amount: \$ 10,270.81 Budget Attached (circle one): YES NO

Proposal delivered to Student Technology located in Watson Library, Room 113. Date 11.22.19

Please be sure to include detailed specifications, vendor information, state contract information, descriptions, and quantities in the application.

1. Describe the target audience.

Dubbed the Science Studio, the audience reached is global. Currently, videos and social media posts from the Science Studio have reached thousands across the globe. Most views are, of course, from the U.S. And of those, most are from Louisiana.

2. Describe the project/initiative.

The Science Studio seeks to engage and educate the general population with relevant, interesting science-based videos. Those videos include spotlighting NSU's student researchers and faculty, explaining concepts, doing demonstrations, etc. This proposal seeks to expand the current capabilities of the Science Studio.

<p>3. State measurable objectives that will be used to determine the impact/effectiveness of the project. The impact and effectiveness of this proposal will be measured with the available analytics from social media sites and YouTube. That is, demographic data will be collected at regular intervals and analyzed. With the expanded capabilities of the Science Studio herein proposed, the reach of the studio will grow.</p>
<p>4. Please explain the evaluation process for each project objective. Data provided by social media sites and YouTube will be collected at regular intervals. This data will be compared against previous collections to show growth in various demographic areas.</p>
<p>5. Which NSTEP http://www.nsula.edu/nstep/NSTEP.pdf objective(s) will this funding of this project advance? How will the funding of the project advance the University and College/unit technology plan?</p> <p>For Objective 1: This proposal will bring faculty and students into direct contact with up-to-date video production equipment. For Objective 7: This proposal will engage the general public with NSU Sciences and involve both faculty and students. The Science Studio will also be used for creating videos to be used exclusively within NSU's Science classes. For Objective 8: This proposal will encourage both faculty and students to create and innovate new videos and techniques for reaching the general population.</p>
<p>6. Please justify funding for the project. Provide the number of students that will be served per academic year and in what ways. Please also indicate any unique needs of the target group. The Science Studio will impact most students at its full operation. Plans for the Studio currently include videos to introduce science labs and present lab preparation in video format. The Studio will also produce videos of demonstrations that will be used in both major and non-major science courses. Thus, the student impact is broad.</p>
<p>7. List the individuals who will be responsible for the implementation of the project/initiative and indicate their demonstrated abilities to accomplish the objectives of the project. Prof. Michael Scanlan is currently overseeing the Science Studio. He will continue in this role. Prof. Scanlan has experience with amateur production companies and is the coordinator for the School of Biological and Physical Sciences' social media pages.</p>
<p>8. Describe any personnel (technical or otherwise) required to support the project/initiative. No personnel beyond those currently working with the Studio will be required.</p>

9. Provide a schedule for implementation and evaluation.

The Science Studio will continue video production throughout the next semester. If approved, videos utilizing the equipment herein requested will be produced in Fall 2020. At the end of the Fall 2020 semester, data from the Spring 2020 semester will be compared to the Fall 2020 data to show an improvement in video quality by showing an increase in general engagements from the public.

10. Estimate the expected life of hardware and software. Explain any anticipated equipment/software upgrades during the next five years.

Though unforeseen problems may arise at any time, the equipment requested will not need upgrades or replacement during the next five years.

11. Explain in detail a plan and policy that will be in place to ensure property security/controls for any equipment received through a Student Technology Fee. If requested equipment that will be either/or checkout to students or moved within the department, please provide a checkout/loan policy.

The equipment will be kept in Fournet 227 for which only Prof. Scanlan and Dr. Lyles have a key. Equipment will be removed for video production only at the direction of Prof. Scanlan and under his supervision.

12. Does the department receive lab fees? If so, please explain the need for Student Technology Fee funds.

The department does receive laboratory fees. Those fees, however, are used to provide consumables and replace broken laboratory equipment. For example, the purchasing of chemicals and replacement of glassware. In addition, those fees are used to replace large-scale equipment such as fume hoods. As such, the Science Studio requires external funding.

13. Attach a detailed budget.

14. Attach two (2) letters of support for the project from the following individuals: the requesting department's Dean, the appropriate Vice President, or for student request, the SGA President from the requesting campus.

ITEM NAME	BH Product Code	QTY	Price	Total
Rokinon 100mm T3.1 Macro Cine DS Lens for Micro Four Thirds Mount	RO10031MFT	1	\$ 599.00	\$ 599.00
Rokinon 12mm T2.2 Cine Lens for Micro Four Thirds Mount	RO1222M43	1	\$ 369.00	\$ 369.00
Rokinon 6 Lens Carry-On Case for Cine DS and Cine Series	RORKCASECO	1	\$ 299.00	\$ 299.00
Rode Wireless GO Compact Wireless Omni Lavalier Microphone System Kit (2.4 GHz)	ROWGLGMK	2	\$ 278.00	\$ 556.00
Rode Dead Cat Wind Muff for VideoMic, NTG1 and NTG2 Microphones	RODC	1	\$ 37.00	\$ 37.00
Camplex BLACKJACK DC 2.5mm & 2.1mm Plug to P-TAP Y-Cable (4')	CABLKJCKPTA4	1	\$ 89.95	\$ 89.95
SanDisk 256GB Extreme PRO CFast 2.0 Memory Card	SAEPC256GBB	1	\$ 399.99	\$ 399.99
DJI Mavic Air Drone with 64GB Card & Landing Pad Kit (Arctic White)	DJMAVICAIRWL	1	\$ 759.89	\$ 759.89
SanDisk 128GB Extreme PLUS UHS-I microSDXC Memory Card with SD Adapter	SAEPMSD128A2	1	\$ 69.99	\$ 69.99
Lowepro DroneGuard BP 250 Backpack for DJI Mavic Pro/Air Quadcopter	LOLP37099	1	\$ 108.11	\$ 108.11
Ultimate Acoustics Studio Bundle I - 18-Piece Pack of Acoustic Foam Wedges	ULUAKITSB1	2	\$ 114.99	\$ 229.98
Rode VideoMic Me Directional Mic for Smartphones	ROVMME	2	\$ 56.49	\$ 112.98
Rode VideoMic Me-L Directional Microphone for iOS Devices	ROVMMEL	2	\$ 79.00	\$ 158.00
Dracast LED500B Silq Bi-Color LED 3-Light Kit	DRS500B3K	1	\$ 1,199.00	\$ 1,199.00
QYSEA FIFISH V6 Underwater ROV Kit (328' Tether, VR Control)	QYFV6UD328VR	1	\$ 1,898.00	\$ 1,898.00
GoPro HERO7 Black Deluxe Kit	GOH7BDK	1	\$ 589.00	\$ 589.00
Elvid StudioVision 28" 4K HDMI Monitor	ELSTV2804KH	1	\$ 949.00	\$ 949.00
IndiPRO Tools Two 95Wh Li-Ion Batteries and Dual Charger Kit (V-Mount)	IN2VMDCA	1	\$ 499.99	\$ 499.99
Pearstone 6' Ultra-Thin, High-Speed HDMI Cable with Ethernet (Black)	PEHDA406UTB	2	\$ 13.99	\$ 27.98
Magnus VT-4000 Tripod System with Fluid Head	MAVT4000	1	\$ 159.95	\$ 159.95
Zhiyun-Tech Smooth-4 Smartphone Gimbal (White)	ZHSMOOTH4WH	1	\$ 159.00	\$ 159.00

Total \$ 9,270.81

Estimated Shipping: \$ 1,000.00

Grand Total: \$ 10,270.81

All items being requested are from B & H Photo and Video (www.bhphotovideo.com).



NORTHWESTERN STATE
UNIVERSITY OF LOUISIANA

Provost & Vice President for Academic Affairs

211 Caspari Hall | Natchitoches, LA 71497

Mr. Michael Scanlan has requested a letter of support as part of his application packet for the Student Technology Fee Grant. Mr. Scanlan is proposing to expand the Science Studio to make a variety of educational videos which cannot be produced in the Studio's current phase.

The equipment being requested will allow for the creation and production of videos from unique perspectives and across a variety of sciences. Mr. Scanlan and the Studio's film crew will be able to produce videos from small demonstrations for online classroom use to miniature documentaries about local flora and fauna. This expansion will benefit not only the School of Biological and Physical Sciences, but the University as a whole.

In recent years, many institutions and government entities have begun to emphasize the importance of public outreach from the scientific and academic communities. The Science Studio meets those needs explicitly. The Studio is set to impact an uncountable number of people in the general public as well as every NSU student. With the proposed expansions, the improved variety and quality of videos will increase the visibility of the School and University. The Science Studio is poised to set NSU apart as a "premier regional university" (NSU's Vision Statement) by offering a unique delivery of knowledge available to the world at large. The expansions proposed by Mr. Scanlan will greatly enhance those offerings.

The Science Studio's primary purpose is the dissemination of knowledge through new media. The University's Mission Statement says that NSU "is committed to the creation, dissemination, and acquisition of knowledge through teaching, research, and service." The Science Studio exemplifies that statement. Expanding the Studio's resources will allow for a broader reach and a more explicit impact to the NSU community.

Therefore, I ask that you give serious consideration to Mr. Scanlan's proposal application as it has the potential to set NSU apart from other regional institutions, a global reach, and meets an unmet need in a unique fashion.

Sincerely,

A handwritten signature in black ink, appearing to read "Greg A. Handel", written over a horizontal line.

Greg A Handel, D.M.A.

Provost and Vice President of Academic Affairs



NORTHWESTERN STATE

COLLEGE OF ARTS AND SCIENCES

November 21, 2019

Dear Student Technology Grant Committee:

I am writing this letter in support of Mr. Michael Scanlan's proposal expand the technology in the video studio located in Fournet Hall Room 229. The acquisition of higher powered lenses to allow for up-close shots, a microphone system to provide greater audio control, sound proofing material to improve audio recording capabilities, extra lights for greater lighting control, a drone to allow for aerial shots, and equipment needed for underwater shots will greatly enhance the types of videos that can be created by the School of Biological and Physical Sciences.

In the past year, the School of Biological and Physical Sciences has worked diligently to create a greater social media presence. Mr. Scanlan has been at the forefront of this initiative. With his time and talents, he and the talented students who work with him have been able to highlight some of the wonderful students, faculty, and alumni of the School. The online response has been tremendous. The "followers" have increased daily. With the launch of the School's new YouTube channel, exposure has further increased. It is improving the image of the School of Biological and Physical Sciences as well as Northwestern State University.

The benefits of the video studio enhancement are not only related to social media. Faculty are using the studio to create videos demonstrating concepts covered in their courses – things that can't necessarily be conducted in a classroom. Faculty can also use this studio to create videos of themselves working "practice problems" for students to use while doing homework or studying. If you've ever tried to work a chemistry or physics problem, you know that knowing the correct answer (i.e. having a problem key) isn't always helpful! Imagine how beneficial it can be to WATCH your instructor work the problem you are trying to figure out all while being able to stop/rewind/fastforward the video! It can be of tremendous value to students.

The School of Biological and Physical Sciences does currently collect lab fees for some courses, but those fees are used to purchase consumables that are used in educational laboratories, and those fees have not been adjusted for inflation in over 15 years. The funds are not sufficient to purchase video equipment/technologies needed to provide our students with the best educational experience.

Mr. Scanlan has my full support in the submission of this grant proposal. I trust that you will give him every consideration as he works diligently to improve the student experience in the School of Biological and Physical Sciences. If you have any questions regarding my recommendation or support, please do not hesitate to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Marcene J. Lemoine".

DEDICATED TO ONE GOAL. **YOURS.**



NORTHWESTERN STATE COLLEGE OF ARTS AND SCIENCES

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NORTHWESTERN STATE

School of Biological and Physical Sciences

To the Student Technology Grant committee:

Please accept this letter of support for the requested equipment for the Science Studio. The equipment will be used to increase the visibility of the School of Biological and Physical Sciences as well as NSU as a whole.

The equipment being requested will expand the current capabilities of the Science Studio. Already in action, the Studio has gained national and international attention since its YouTube launch. The Studio is responsible for an increased online presence for the School of Biological and Physical Sciences; and, therefore, the entire University.

In addition to benefiting outreach and public education efforts, the Science Studio will also be of benefit to NSU's entire student body. The Studio will allow professors teaching science lectures and labs to video both demonstrations and offer video tutorials for laboratory setups. These videos may be used in both major and non-major science courses. Thus, all students will benefit from the Science Studio's proposed expansion.

Professor Michael Scanlan has worked diligently to increase the School of Biological and Physical Sciences' online presence across most social media outlets. And, as Director of the Science Studio, he has spearheaded the initiative to produce high-quality videos available for both public and University use. He has my full confidence that the Science Studio will become synonymous with top-tier science videos. I believe that in the absence of television science series, the Science Studio fills a vacant niche. We may well be witnessing the birth of the next "Bill Nye" or "Beakman."

While the physical science area does collect laboratory fees, those fees are used for consumables and to replace broken labware when necessary. For example, the School is frequently purchasing chemicals to replace those used in labs and glassware to replace those broken by students. Thus, the monies collected via lab fee are not sufficient to support all science labs as well as the Science Studio.

Therefore, without reservation, this proposal has the full support of the School of Biological and Physical Sciences as well as my own personal endorsement.



CHRISTOPHER N. LYLES, Ph.D.
INTERIM DIRECTOR AND ASSISTANT PROFESSOR

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