INSTRUCTIONAL EQUIPMENT REQUEST 2018-2019

Internal Use
IE #: Fall- 31
Total \$:_____

2018-2019		Total \$:			
Requester Name: Michal Shuldman	Division Name: ST	EM PC			
SUMMARY	INFORMATION				
Title of Item: Field Biology Equuipment		SEP 1 3 2018 STEMPS Division Las Positas College			
Equipment Location Building:	Room: 1855				
Location Comments:					
SECTION 1: EQUIPMENT DESCRIPTIO	N				
The equipment is: A Replacement An Upgrade New Equipment/Technology					
Describe the specific equipment requested and how technology to LPC from what is currently in place:					
1) Thermal Imaging Infrared Camera This is new tech imals on field trips. This is a standard technique in withis is a new piece of equipment to LPC. It is used for eld trips and is a standard technique for wildlife biolog. We currently have one net but want to increase the number on experience using this to collect aquatic animals. 4) we currently have two of these. We would like to expet their own transect lines are take data in small groups this is a new piece of equipment to LPC. It will allowed technique in forestry.	Idlife biology. 2) Sherman r trapping small animals (e gists. 3) Aquatic net - imber of nets so that stude Field transect measuring t and this to a class set so the setting. 4) Tangent height	n animal traps - e.g. mice). It will be used in fi ents can have ahands- eape - eat groups of 4 students can se guides -			

LPC - RECEIVED

SEP 28 2018

ADMINISTRATIVE SERVICES

SECTION 1: EQUIPMENT DESCRIPTION (contd)

If applicable, describe the legal requirement, mandate, or safety concern for purchase of this equipment, making specific reference to the legal requirement or regulation:

Not Applicable

SECTION 2: LPC MISSION STATEMENT AND LPC PLANNING PRIORITIES

LPC MISSION STATEMENT:

LPC is an inclusive learningcentered institution providing educational opportunities and support for completion of students' transfer, degree, basic skills, career-technical, and retraining goals.

LPC PLANNING PRIORITIES:

- ❖ Accreditation: Establish regular and ongoing processes to implement best practices to meet ACCJC standards.
- Curriculum: Provide necessary institutional support for curriculum development and maintenance.
- Tutoring Services: Expand tutoring services to meet demand and support student success in Basic Skills, CTE, and Transfer courses.
- Professional Development: Coordinate available resources to address current and future professional development needs of faculty, classified professionals, and administrators in support of educational master plan goals.

Specify how the equipment supports LPC's Mission Statement and Planning Priorities:

Mission: Our program has a high transfer rate to CSU and UC. We have inclusive class offerings of a wide variety of courses in biology that draw on different student populations. These courses support biology majors and other pre-professional transfer students. The courses also satisfy specific degree and certificate requirements, fulfill general education requirements, and provide intellectual enrichment

As a program we try to stay abreast of rapidly moving technology. Proper equipment is needed for students to learn field biology skills. This new equipment will provide the students with state of the art learning opport unities and skills, which will help them to get internships and jobs locally and at their transfer institutions.

Planning Priorities: (1) Best practices for science classes involves active learning with handson experience. In order to accomplish this we need adequate supplies so that students can work in small group s (of no more than 4 students), rather than as an entire class.

(2) Bio 70 is a class that we have not offered in a long time. In order to run interesting new and updated course s we need to have the support of the necessary supplies and equipment. The equipment will also be used in oth er Biology classes.

This equipment supports the Biology Department and the Environmental Studies degrees. The equipment will be used in the new Field Biology Bio 70 class, which can count towards the Environmental Studies degree. Bi o 70 will also offer all students a new course to fulfil their lab based science GE requirement. It will also be us ed in our Biology Majors sequence classes, Biology 1A - General Botany and Biology 1B - Zoology, and in Marine Biology - Bio 60.
If this equipment is included in your Program Review, please include the exact wording. If equipment is not included, explain why:
This exact equipment is not included in our previous program review because Bio 70 had not completed the c urriculum process or been added to the discipline plan. The primary need for the equipment is for Bio 70, alth ough all of the equipment will also be used in Zoology (Bio 1A), Botany (Bio 1B), or Marine Biology (Bio 60).

SECTION 3: EDUCATIONAL ITEMS - PROGRAM REVIEW

Specify the educational programs this equipment supports:

SECTION 4: TEACHING AND LEARNING

Describe in detail the impact this equipment will have on teaching:

This equipment will allow instructors to accomplish two main goals. The first is to introduce students to curre nt technology and techniques. For example, the thermal imaging camera is a standard technique used in wildlif e biology applications. This directly relates to one of our PSLOs: Upon successful completion of an AS-T in Biology, students are proficient in standard biology lab techniques and lab safety procedures. The second goal is to increase the student's ability to be actively engaged in hand-on learning. In order to accomplish this PSLO we need to have enough supplies for groups of no more than 4 s tudents. For example, we are asking for more field transect tapes so there will be enough for a class set. Studen ts will be able to work in groups of 4 to learn standard field techniques, such as line-point intercept method of vegetation sampling.

Describe in detail the impact this equipment will have on <u>learning</u>:

Lectures can be effective at disseminating information, but they often are not effective for students learning, re taining, and being able to apply that content. For students to learn, they need to be actively engaged in an authentic context. Lab courses are an effective way to engage students in an authentic context, where students learn and use the equipment and techniques used by professionals in the field. The skills students learned impact st udents future employment in science settings.

	4/12	288 students
Each academic year, this equipment will impact:	# of classes/sections	#of students

SECTION 5: OUTCOMES (SLOs)

Using your documented SLOs, specify how the equipment will enable student learning outcomes to be achieved.

This directly relates to one of our PSLOs: Upon successful completion of an AS-

T in Biology, students are proficient in standard biology lab techniques and lab safety procedures. The second goal is to increase the student's ability to be actively engaged in hand-on learning.

What are the consequences related to learning outcomes if request is not funded?

If the request is not funded the class will miss key components of entire unit on learning the skills of trapping and observing animals. The students will also miss key components of a unit on vegetation mapping. The lack of supplies will directly effect our PSLO of producing students that are proficient in standard biology techniq ues and lab safety procedures.

SECTION 6: TOTAL COST OF OWNERSHIP (contd)

Part A: Initial Start-up Costs

<u>Item</u>	Cost	Comments
Equipment or Materials	1926.38	
Taxes (9.5%)	183.01	
Shipping or Delivery Charge	90.10	VWR-free shipping
Installation Costs *	0	
Miscellaneous Costs:	0	
Facilities Modifications	0	
Operator Training	0	
Maintenance & Repair Training	0	
Storage	0	
Other:	0	
Vendor Discount		VWR provideds free shipping
Grand Total:	2199.40	

^{*}For items requiring installation, requesters are required to check with District Purchasing (Victoria Lamica) regarding District policies.

Part B: On-Going Annual Operating Costs

<u>Item</u>	Cost	<u>Comments</u>
Annual Service or Maintenance	0	
Estimated Parts Replacement Per Year	0	
Outside Standardization or Calibration	0	
Costs		
Storage Costs	0	
New Supply Costs	0	
Miscellaneous Costs:	0	
Maintenance & Repair Labor		
Other:		
Annual Operating Costs:	0	

Indicate the source of funding for on-going annual operating costs:

This equipment is simple and will not require on-going costs.

SECTION 6: TOTAL COST OF OWNERSH	IP (contd)
Part C: Incremental Labor Costs	
OPERATOR:	
Indicate the key operator: Michal Shuldman	
Indicate the key operator: Yes Is this in their current scope of duties?	
Indicate cost to train key operator (include in Initial S	tart-up Costs above):
Indicate amount of time per month key operator will u	Variable, 5-10 hours use equipment:
MAINTENANCE & REPAIRS:	
Indicate the nerson performing maintenance and rone	Gary Wilkes
Is this in their current scope of duties? Indicate cost to train for maintenance and repairs:	,
Indicate cost to train for maintenance and renairs:	one
Indicate cost to train for maintenance and repairs: Indicate amount of time per month maintenance will k	less than 1 hour
Por mione in market in mar	
APPROVALS	
Funded requesters will be expected to respond to a bri Requests for computer-related equipment and printer	t t 1
Signatures: Requester	<u>a/11/18</u>
Requester	Date
IT Department (if required)	Date
11 Department (n requireu)	Date
nan to	9-14-18
Dean/Manager	Date
	9/21//8
Vice President	Date
¥	
	RECEIVED
	SEP 21 2018

VP ACADEMIC SERVICES LAS POSITAS COLLEGE

Forestry Suppliers

I submitted a request for a quote on 9/7/18. I haven't received the quote yet but, we do not receive a discount from Forestry Suppliers. The attached shopping cart with the items should be representative of the actual cost of the items. I will submit the quote when I receive it.

LAS POSITAS COLLEGE Equipment, Apparatus and Service Requisition	COLLEGE	quipment, Ap	pparatus an	d Service Re	equisition .	4 2016	#			
FOR REIMBURSEMENT: List payee name & ssn.	List payee name & ssn.		TAX ID#		01-1		# #			
VENDOR	Forestry Suppliers	liers			STE Las P	STEMPS Division	Track#	19-25 FOR OFFICE USE ONLY	ICE USE	ONLY
STAFF MEMBER Ann Hight	DATE WRITTEN	DATE REQUIRED	DEPARTMENT Biology	Room: 1856				RETURN COPY of REQUISITION TO: Gary Wilkes Linda Cross	of REQU	SITION TO: Cross
DESCRIPTION	(PRODUCT, TYP	(PRODUCT, TYPE, SIZE, COLOR, STOCK NUMBER)	STOCK NUMBE	R)	PRODUCT #	TINO	γŢQ	UNIT PRICE		EXT PRICE
	Trap, vented Folding Large	olding Large			35951	_	10	\$ 32.25	↔	322.50
	Trap, vented Folding Small	Iding Small			35841	_	10	\$ 25.50	↔	255.00
	Aquatic D- net				53755	_	2	\$ 80.95	↔	161.90
	Fiberglass transect tape, 100M	ect tape, 100M			40025	_	4	\$ 54.50	↔	218.00
	Diameter tape				59571	_	9	\$ 38.25	\$	229.50
	Tangent Height				36953	_	9	\$ 19.25	↔	115.50
			E CE	TELLE	Landing Control of the Control of th					
			SFP	9.1 2040						
FY18/19			2	0107 = =						
			LAS POST	AS COLUMN CES	Shipp	Shipping (if available):	ible):			
Comments:			7	And Constitution of the state o		Subtotal			\$	1,302.40
					7	Тах		9.25%	\$	120.47
Original invoices and receipts must be attached for payment. Include current taxes unless incorporated in price.	ceipts must be attached	d for payment. Include	e current taxes unles	s incorporated in prie	ė.			TOTAL COST	€9	1,422.87
# ACCOUNT #	#									
	FUND	ORG	ACCT	PROGRAM		Business Office	ffice			
Man?	Pan & 9/14/18	\			A					
	Dean, STEMPS		Date		VP/ President					

Shopping Cart

Key Code/Coupon Key Code/Coupon

If you have a promotion / key code, please enter it here, then update to see your savings.

Quick Cart Item Number

Add Item

Already have a Forestry Suppliers stock number? Enter it here to automatically add it to your cart.

	Qty	ltem#	Name	Price	Item Total	Remove
(m) in	6	36953	Forestry Suppliers Tangent Height Gauge In Stock	\$19.25	\$115.50	
	6	59571	Forestry Suppliers Metric Fabric Diameter Tape Model 283D/5M In Stock	\$38.25	\$229.50	
	4	40025	Model OTR-10m-330 Keson Open Reel Fiberglass Tape, 330'/100m In Stock	\$54.50	\$218.00	
%	2	53755	Aquatic Net ৩ ও In Stock	\$80.95	\$161.90	
	10	35951	Sherman Folding Trap, Heavy Duty Aluminum, Large, Ventilated In Stock	\$32.25	\$322.50	
	10	35841	Sherman Folding Trap, Aluminum, Small, Solid In Stock	\$25.50	\$255.00	
				Subtotal:	\$1,302.40	
				Zip Code: Livermore, CA	94551	
					Estimate Shipping	
			(UPS	Shipping: Ground Shipping)	\$90.10	
				Total:	\$1,302.40	

Learn about Forestry Suppliers' Return Policy.

Check Out Request a Quote Save to My Equipment List Continue Shopping



| | | | |

LAS POSITAS COLLEGE Equipment, Apparatus and Service Requisition

RETURN COPY of REQUISITION TO: 681.70 57.72 623.98 623.98 EXT PRICE Gary Wilkes Linda Cross FOR OFFICE USE ONLY 8 69 8 € UNIT PRICE 9.25% TOTAL COST 623.98 8 **△** Track # VTO **Business Office** Shipping (if available): LIND Subtotal ea Тах PRODUCT # VP/ President 10753-890 Phone: 1-800-932-5000 Original invoices and receipts must be attached for payment. Include current taxes unless incorporated in price. Room: 1856 PROGRAM (PRODUCT, TYPE, SIZE, COLOR, STOCK NUMBER) 1310 Goshen Parkway, West Chester, PA 19380 Fax: (610)431-9174 DEPARTMENT Acct: 80248487 Biology SEP 21 ACCT TAX ID# Date DATE REQUIRED VWR International Inc. ORG Thermal Imaging Infrared Camera FOR REIMBURSEMENT: List payee name & ssn. Dean, STEMPS 5-Sep-18 DATE WRITTEN FUND ACCOUNT # Michal Shuldman DESCRIPTION STAFF MEMBER VENDOR Comments: FY18/19



QUOTATION				
Quote Number	Valid From	Valid To	Page	
8030791051	09/06/2018	10/06/2018	1 of 1	
Currency	Sales Representative	Customer Re	ference	
USD	Daniel Im	FLIR C2 POC		

Quote Prepared For		Contact Phone / Fax / E-Mail		
Gary Wilkes		925 424 1331		
		gwilkes@laspositascollege.edu		
Ship To :	80248487	Sold To: 80248487		
LAS POSITAS COLLEGE SCIENCE DEPT 1856 GARY WILKES RM 1856		LAS POSITAS C SCIENCE DEPT GARY WILKES	C 1856 RM 1856	
3000 CAMPUS HI LIVERMORE CA		3000 CAMPUS HILL DR LIVERMORE CA 94551-7623		

To Place an Order		
Phone:	1-800-932-5000	
Fax:	1-866-329-2897	
Web:	www.vwr.com	

When placing your order, please include your quotation number and account number to ensure you receive the correct price.

THANK YOU FOR THE OPPORTUNITY TO EARN YOUR BUSINESS.

Additional Information:

This account is set up as only being charged for freight if requested for overnight AIR.

No shipping charges.

Row	VWR Catalog Number	Product Description	Qty	UOM	Unit Price	Extended Price
10	10753-890	FLIR C2 POCKET-SIZED THERMAL CAMERA	1	EA	623.98	623.98



Thermal Imaging Infrared Camera, Extech

Product Link: https://us.vwr.com/store/catalog/product.jsp?catalog_number=10753-890 Shipping Dimensions Weight / Size (L*W*H) per UOM: 0.290 LB / 4.900*3.100*0.940 IN

UOM Component Info: EA(1items)

Availability: Product Ships Directly from Manufacturer

Quote Total: 623.98

VWR International's Terms and Conditions of Sale apply. A copy is available on our website

(https://us.vwr.com/store/content/externalContentPage_jsp?path=/en_US/about_vwr_terms_conditions_product_sales.jsp), or by request. Customer represents that it has read and agrees to VWR International's Terms and Conditions of Sale.

Identified stock status is based on product availability at time of the quote and may change at time of order. Delivery dates are based on standard lead times from suppliers.

Any images used are not necessarily representative of any product offering from VWR International and do not constitute the basis for purchase decisions.

Customer is responsible for unloading and providing standard receiving facilities for large and/or heavy shipments. Special unloading or delivery can be arranged, provided VWR International is notified at the time of order placement. For such arrangements, please contact VWR International for a quotation. All quotes for installation assume that services related to the equipment are in place at the Customer site (including, but not limited to, gas, plumbing, electrical and ventilation) as per the equipment manufacturer's specifications prior to the installation of the equipment. Installation or other services are not included in this quotation, unless otherwise noted on the quotation.

Customer has a limited amount of time to document and report any shipping damage. Please inspect all shipments upon receipt and refer to Section 4 of VWR International's Terms and Conditions of Sale for additional information.

Items prefixed with "MISC" are subject to regulatory approval once VWR International receives acceptance from the customer. They are special order, and as such may not be returnable. Please allow 5-8 weeks delivery from the time of your first order or acceptance of this quotation.