

JHCEHSHS STUDENT TECHNOLOGY FEE REQUEST FORM

Procedure for Submission:

Form Updated: 12/10/12

1. Submitter must obtain all required information from the desired vendor(s). An official quote from the vendor must be attached.
2. Only one request per Request Form. This request must be reviewed, approved, and submitted by the requesting program's Department Chair.
3. The Dept. Chair may email this request to the Tech Fee Director. *Since some departments will have multiple requests, please rename request in the following format: Dept # (rank, 1 being the highest priority) and a brief title*

Dept. making request:	Kinesiology	Requesting Faculty:	Craig Black	Date Submitted:	02/07/2013
IMPORTANT: Attach an official quote from the vendor.					

List one item OR group (for use as a "package") per page.

Item Name	Vendor info. (name, address, Web site URL, phone #, email, etc.)	Part or Model #	Cost (each)	Qty	Total
Puritan-Bennett Model 840 Mechanical Ventilation System	Coviden Medical 675 McDonnell Blvd PO Box 5840 St. Louis, MO 63134	Multiple part numbers (see attached quote)	\$25,646.64	1	\$25,646.64

Course(s) where item(s) will be used	RCBS 3220, 3300, 4240, 3230	Expected life of product (years)	20 years with upgrade	# Students Impacted per Year	50
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Location equipment or software will be used/stored	Interprofessional Immersive Simulation Center	Will Tech Fee funds be needed for annual renewals or maintenance?	No
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Provide a brief description of the technology requested*: The Puritan Bennett Model 840 Mechanical Ventilation System is a machine which breaths for critically ill patients who are unable to breath for themselves. It is used by all ProMedica Hospitals and by the University of Toledo Medical Center for the care of patients in hospital intensive care units. This is a complex, multiprocessor-controlled system which is run by Respiratory Therapists under the direction of physicians.

Briefly describe how the technology will be used (function)*: This system will be used in the Interprofessional Immersive Simulation Center located in the basement of Dowling Hall at the University of Toledo Medical Center Campus for the training of Respiratory Care students in the care of medically-complex, critically-ill patients. The system will be paired with high fidelity patient simulators (mannequins) that can be programmed to mimic virtually any critical illness. This system will enable students to realistically practice caring for patients with conditions requiring mechanical ventilation.

Provide a rationale that Tech Fee funds are appropriate for this request*: The most important and complex work carried out by Respiratory Therapists is the care of patients who cannot breath on their own and therefore require mechanical ventilation. A major part of the Respiratory Care Program is devoted to training students in this endeavor. Respiratory Care students are initially taught the basics of using the Puritan-Bennett 840 Mechanical Ventilation System in the Respiratory Care Program Laboratory. Once students gain a rudimentary familiarity with the system, they then care for patients who are attached to the system in hospital intensive care units under the supervision of senior Respiratory Therapists and physicians. In addition, they spend time in the Interprofessional Immersive Simulation Center working through various critical care scenarios. The Simulation Center is equipped with patient simulators (mannequins) that can be programmed to very realistically present a patient with nearly any critical care situation. This approach to training in the Simulation Center has a number of advantages:

1. Students can be presented with critical care emergency situations they encounter in the hospital under precise controlled conditions; however, because the patients are "simulated" they are not placed at risk. Students can therefore be allowed to learn both through success and failure.

2. Students can be presented with critical care emergency situations which are considerably more complex than those which they would typically encounter in the ICU, again under precise controlled conditions without placing actual patients at risk.
3. Students have the opportunity to practice working as a member of a critical care team with students from other programs such as nursing, medicine, physical therapy, x-ray, etc, learning the dynamics of good team work without placing actual patients at risk.

The Simulation Center presently is capable of very realistically mimicking virtually all emergency and critical care situations involving real patients. For Respiratory Care students the most important of these are those which require mechanical ventilation. At the present time, the only ventilator in the Simulation Center is approximately 30 years old. Because of its outdated technology and decrepit condition it does not allow for the realistic application of mechanical ventilation. Therefore the value of training in the Simulation Center for the Respiratory Care students is clearly compromised. The addition of the Puritan-Bennett Mechanical Ventilation System would allow simulation exercises for the Respiratory Care Students to be of much greater value since they would be able to apply mechanical ventilation utilizing the same technology presently used in hospitals.

***Keep in mind that the committee members come from a variety of educational backgrounds and may not be familiar with department specific language. Please use concise, common terminology so that committee members reviewing this form will be able to fully understand the request.**

- If you are submitting a request for computers, printers, scanners or software, you must consult with College Computing and the technology staff, to acquire a quote and to make sure that this equipment/software is supported by UT and compatible with existing technology.



675 McDonnell Boulevard
P.O. Box 5840
St. Louis, MO 63134

January 22, 2013

Craig Black
UNIVERSITY OF TOLEDO SCOTT PARK CAMPUS
2200 EAST SCOTT PARK
TOLEDO, OH 43606

Dear Craig Black,

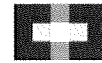
Thank you for your interest in Puritan Bennett products in consideration of the attached quotation.

Sincerely,

Rick Burgess
Account Executive
Phone: 800-634-1515 x39339
Fax: (800) 748-9740

Quotation Terms and Conditions

If this Quotation is for Clinivision CISS products, then the Group Purchasing Organization (GPO) contract identified on this quotation is identified solely for purposes of application of administration fees under the GPO contract. The terms and conditions applicable to this Quotation, including any licenses or support services covered by this Quotation, will be governed by the Clinivision Terms and Conditions attached hereto, including the Terms and Conditions of the standard Clinivision System



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UNIVERSITY OF TOLEDO SCOTT PARK CAMPUS

2200 EAST SCOTT PARK

TOLEDO, OH 43606

Contact Person:

Craig Black, Director, Respiratory Care Program

Phone: 419-530-4792

Email: CRAIG.BLACK@utoledo.edu

Rick Burgess

Account Executive

675 McDonnell Boulevard

P.O. Box 5840

St. Louis, MO 63134

Phone: 800-634-1515 x39339

Fax: (800) 748-9740

Quote Date: 1/22/2013

Expiration Date: 4/22/2013

Pristine Number: 121239

Quote Number: 47961

Payment Terms: Net 30

Freight Terms: FOB Destination, freight ppd and added

Quote Configuration

Part Number	Description	Amount	Qty	Extended Amount
4-840120EMC-02	New 840 with Color Screen, Oxygen Analyzer, Drainage Vial, one case each DX/800 and Sterivent disposable Bacteria Filters, Air Hose, Oxygen Hose, Power Cord, Test Lung, Flex Arm, Tube Holder, Operator's Manual; 2-Year Warranty (This configuration does not have 1 hour BPS)		1	
10046822	Compressor Mount Cart with 1 Hr BPS (New PB840 cart with 1 hour battery option)		1	
10051492	NeoMode 2.0 Option (Without Expiratory Filter Plate) (Includes Leak Comp Option)		1	
4-078203-00	PAV+ Option Pkg Kit		1	
4-076064-00	BiLevel Software Option		1	
4-078126-00	Volume Ventilation Plus Option		1	
4-076371-00	Tube Compensation Option		1	
10019218	Respiratory Mechanics 840 Software Option		1	
10020408	Trending 840 Software Option		1	
10051071	840 Universal Vent GUI Label		1	
4-076405-00	NeoMode Filter Adapter		1	

Promotion

Promotion	Description
QSEDPR840	Educational Promotion for 840 Ventilator. This discounted pricing is available to the educational institution purchasing the ventilator solely for instructional purposes and not intended for patient use.

Quotation Summary

Net Amount	\$25,646.64