

CHS 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:	SERS	Requesting Faculty:	Grant Norte	Date Submitted:	10/7/19
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
NordBord Pro Lease Package <ul style="list-style-type: none"> 12 month lease of NordBord 12 month license to associated software (ScoreBord, DashBord) 	VALD Performance Pty Ltd 75 Sandgate Rd. Albion, QLD 4010 Australia info@valdperformance.com www.valdperformance.com Contact: Chris Rowe (Director of Americas, Based in Charlotte, NC) Phone: 704-345-5145 Email: chris@valdperformance.com	NordBord Pro Lease Package	\$2,000.00	1	\$2,000.00
Course(s) where item(s) will be used	ATTR 6670: Pathology of Orthopedic Injury, ATTR 6410: Clinical Biomechanics, ATTR 6910/6920: Introduction to Sports Medicine Research I/II, ATTR 6810/6820/6830: Scholarly Project I-III, KINE 6210: Evaluation and Management of Lower Extremity Injury, PHYT 6170/6180: Scholarly Project I/II, PHYT 6500/6510: Musculoskeletal Rehabilitation I/II, PHYT 5300: Principles of Therapeutic Exercise, and EXSC 3830: Principles of Strength and Conditioning. This item would also be used by Exercise Science PhD students working in the MAIN Lab.	Expected life of product (years)	1 year lease	# Students Impacted per Year	100
Location equipment or software will be used/stored	HH 1412: MAIN Lab	Will Tech Fee funds be needed for annual renewals or maintenance?		Yes (3 years)	
Provide a brief description of the technology requested*: The NordBord is a device used to quantify the amount of force created by each leg during an eccentric contraction of the hamstrings – this form of contraction is called a Nordic Hamstring Exercise (NHE). NHE is commonly used in team-based sports, and is performed by having teammate 1 hold down the feet of teammate 2, while teammate 2 attempts to slowly lower their body to the ground. This form of exercise is widely reported to prevent hamstring muscle injuries and to benefit the neuromuscular system. Therefore, it is discussed in the context of human performance, injury prevention, and rehabilitation in a variety of Athletic Training, Physical Therapy, and Human Performance and Fitness Promotion courses. However, traditional uses of NHE do not allow you to quantify the force in each limb (produced by the hamstrings). This poses a significant challenge when teaching students about NHE, and when using for research purposes. Therefore, we are requesting the NordBord device to quantify force distribution during					

NHE.

Briefly describe how the technology will be used (function)*: The NordBord device will be used in teaching and student research experiences. In either capacity, this technology will provide the ability to quantify force distribution during NHE, which is otherwise not possible. For example, when teaching students how to perform or instruct NHE, it is necessary for them to appreciate quantifiable differences in force production, which is the main outcome measure given by the device. By using the field-based form of the exercise, it would be impossible to appreciate how performing the exercise incorrectly (for example) would influence the outcome. Our students need to be able to understand this to effectively apply the exercise clinically. From a research perspective, our students simply could not use NHE as an intervention without being able to quantify force distribution. Having this device would allow increased opportunity for undergraduate and graduate (athletic training, physical therapy, human performance and fitness promotion) research using a well-established exercise intervention.

Provide a rationale that Tech Fee funds are appropriate for this request*: This item will be used in a variety of classes included in the professional athletic training program, post-professional athletic training program, doctor of physical therapy program, and human performance and fitness promotion program. Most importantly, the addition of this device will facilitate student learning and research opportunities. One of the goals of our college is to prepare our students for their future professional and academic careers by providing access and opportunities to learn with the latest methods and technology available. As equipment such as the NordBord is becoming more and more common and available in the clinic and professional world outside of the classroom, having access to this tool during their training will ultimately give an advantage to our students, as they will have familiarity and exposure to these types of tools and techniques prior to entering their field professionally. Students will use this equipment in the Motion Analysis & Integrative Neurophysiology (MAIN) Lab. The MAIN lab utilizes a multi-disciplinary approach to investigate clinical questions that fosters collaboration between athletic training, physical therapy, and complimentary healthcare professions with the School of Exercise and Rehabilitation Sciences. Since the requested funds apply to a 1-year lease of the device and software, we are requesting funding for a 3-year period.

***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.

VALD

P E R F O R M A N C E

VALD GROUP, INC

1312 S College Street, Unit 1226

Charlotte NC 28203

United States

www.valdperformance.com

BILL TO
University of Toledo 2801 W Bancroft Street Toledo OH 43606 United States of America

QUOTE DETAILS	
DATE	2-Oct-19
QUOTE NO.	UTOL-19-1
VALID UNTIL	11-Dec-19

PRODUCT NAME	QTY.	Unit Price (USD)	Total (USD)
NordBord Pro Lease Package Includes: <i>12-month lease of second-hand NordBord</i> <i>12-month licence to ScoreBord</i> <i>12-month licence to DashBord</i> <i>100 DashBord profiles</i>	1	2,000.00	2,000.00

TOTAL	2,000.00
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