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:	10/16/20

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
• Apple iPad	Apple, Inc. https://www.apple.com/ipad/ Contact: Kyle Parsons Phone: 419-530-4750 Email: kyle.parsons@utoledo.edu	10.2-inch iPad Wi-Fi 32 GB – Space Gray (#MYL92LL/A)	$299.00	1	$299.00

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)**	10 years	**# 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?**	No

Provide a brief description of the technology requested*: Last year, we requested and received a device used to quantify the amount of force created by each leg during an eccentric contraction of the hamstrings, called the NordBord. This device is used to quantify eccentric force production of the hamstrings, which has important implications for human movement. Accordingly, 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 (listed above). However, the software that is used with this device requires a separate tablet (iPad) to record data in real-time. Real-time biofeedback is important from both a performance and student learning perspective. Therefore, we are requesting the purchase of an iPad for this purpose.

Briefly describe how the technology will be used (function)*: The iPad will be used in conjunction with the NordBord device for teaching and student research experiences. In either capacity, this technology will provide the ability to record force data in real-time, which again aid in both task performance and student learning. In other words, the visualization of force data made possible by using an iPad will help students understand how individuals compensate for muscle weakness, and how their instructions can be used to modify performance. For example, when teaching students how to perform or instruct this type of exercise, it is necessary for them to appreciate quantifiable differences in force production, which is the main outcome measure given by the device. Our students need to be able to understand this to effectively apply the exercise clinically, and direct visualization in real-time is essential to this. Having this device would allow increased opportunity for undergraduate and graduate (athletic training, physical therapy, human performance and fitness promotion) research. In

addition to the use described above, having an iPad would also facilitate student research by allowing research participants to complete patient-reported outcome questionnaires more efficiently as compared to paper and pencil, or online when not under the guidance of the researcher (which subjects the data to more errors).

Provide a rationale that Tech Fee funds are appropriate for this request*: An iPad 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 an iPad 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 tools that optimize its use 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 an iPad 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.

***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.

Proposal Details

Convert To Order

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Proposal Number	2104500414
Name	Kyle Parsons
Phone Number	4195304750
Comments	Tech Fee for Grant
Created On	10/16/2020

Item Picture	Description	Total Quantity	Unit Price	Total Price
	**10.2-inch iPad Wi-Fi 32GB - Space Gray** MYL92LL/A	1	299.00 USD	**299.00 USD**

Pricing as per document creation date

Subtotal	**299.00 USD**
Estimated Tax	**0.00 USD**
Total	**299.00 USD**