1) Purpose and Instructional Need (include goals and objectives)

The biomechanics lab classroom is used for conducting student projects, lab assignments, and instruction to supplement lecture material. Much of the instruction imparted, and the methods of analyzing human motion being taught, are visual, relying upon video analysis and video presentation. Currently, no video projection method exists in the room and the activities carried out in lab research projects preclude the mounting of a projector unit in the ceiling.

It is proposed, therefore, that a large (60-inch) HDTV be purchased to serve as a projection screen for display of project computer data, lecture material, and student presentations. It is also proposed that two (2) external hard drives (HDD) are purchased to store the video collected for student projects. The HDD units will allow for the storage of large amounts of student data and video portably and without impacting free disk space on the computers already in use as these files consume huge amounts of media storage space.

2) Identify how project will impact and benefit student learning include % affected and number affected.

The ability to project learning materials and real-time instrumentation display allows for deeper and more meaningful data collecting experiences, allows for the delivery of supplemental lecture material which students have reported are helpful to their learning, and allows for the better sharing of their projects through student presentations.

The addition of the HDD units allows for the safe storage of their data and videos for retrieval during work times.

The proposed project will impact 100% of approximately 400 undergraduate PE/MES students as the biomechanics course is required of these majors. It also will impact approximately 50% of approximately 100 athletic training undergraduates who also take the undergraduate course and 100% of 30 graduate students who must take graduate biomechanics and collect and present project data.

3) Describe how project aligns with COE Strategic plan and if possible department goals.

This project aligns with the COE Strategic Plan by allowing better demonstration of lab instrumentation and student use of technology, allowing for “diverse learning experiences through technology-rich environments” - directly supporting Goal 1, Objective 1.

Additionally, by facilitating the students’ use of the lab instrumentation (i.e. - through modeling and display) and enhancing the presentation of their projects, we are helping to “ensure that students, professors, instructors, administrators and staff collaborate in a technology-rich work environment” - directly supporting Goal 2, Objective 1.
4) Describe your plan to assess the impact of the technology project on student learning.

This project is largely in response to student feedback concerning the benefits of lab classroom instruction, project execution, and presentation. Many students have already reported the usefulness of visual examples of concept available in lecture and asked that this be added to lab instruction.

To assess the impact of the proposed technology project on student learning, students will be formally surveyed to confirm this positive impact. Survey questions will ask the students to rate the effectiveness of the technology in their learning. Specific dimensions of this learning will include: course material, data collection methods, creativity of project material, and facility of student presentation.

5) Support Needed:

a. Who will install technology and provide technical support for project?

Travis Ficklin - it is anticipated that no additional technical support will be required.

b. Where will resources be installed? Building__WRC______ Room #__152____.

c. Does this room have the necessary data & electrical infrastructure required for your resources?

Yes.

d. Does this proposal include funds to add the necessary infrastructure if not present?

N/A

Note: All funded proposals will be required to submit a report summary and will be invited to present an overview of project during Spring 2014 semester.
**Name:** Travis Ficklin  

**Dept:** HPELS / PE-MES  

**Project:** Projection Monitor and HDDs  

Attach _hard copies of price quotes_. Indicate which attached page goes with each item below.

<table>
<thead>
<tr>
<th>Product #</th>
<th>Vendor</th>
<th>Product Description</th>
<th>Quantity</th>
<th>Item Price</th>
<th>Total</th>
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<tbody>
<tr>
<td>L49-6013</td>
<td>TigerDirect.com</td>
<td>60&quot; HDTV for classroom projection</td>
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<td>1448.05</td>
<td>1448.05</td>
</tr>
<tr>
<td>W10-3138</td>
<td>TigerDirect.com</td>
<td>External HDD for class data/video storage</td>
<td>2</td>
<td>97.71</td>
<td>195.42</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Shipping and Handling</td>
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<td></td>
<td>6.98</td>
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*All items listed on attached quote 2012388 prepared by Nate Sparks at CompUSA, which handles higher ed sales for TigerDirect.com*

<table>
<thead>
<tr>
<th>Total</th>
<th></th>
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<tbody>
<tr>
<td></td>
<td>1650.45</td>
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</table>
Dear Travis Ficklin,

This email contains your quote summary. Should you have any additional questions or wish to complete your order, please feel free to call us at Phone: (866) 310-5182. Please refer to quote number J2012388 when contacting us for assistance.

Regards,

Nate Sparks
Phone: (866) 310-5182
Fax: (866) 310-5410
Jonathon.Sparks@compusa.com
COMPUISA.com

<table>
<thead>
<tr>
<th>SKU</th>
<th>Manufacturer Part No.</th>
<th>Sku Description</th>
<th>Unit Price</th>
<th>Qty</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>L49-6013</td>
<td>60LS5700</td>
<td>LG 60LS5700 60&quot; Class LED HDTV - 1080p, 1920 x 1080, 16:9, TruMotion 120Hz, 5000000:1 Dynamic, HDMI, USB, Wi-Fi, Smart TV, Intelligent Sensor, Smart Energy Saving</td>
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<td>1</td>
<td>$1,448.05</td>
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<tr>
<td>W10-3138</td>
<td>WDBACW0010HBK-NESN</td>
<td>WD My Book Essential WDBACW0010HBK-NESN 1TB External Drive - USB 3.0/2.0 - Backup Software &amp; Encryption</td>
<td>$97.71</td>
<td>2</td>
<td>$195.42</td>
</tr>
</tbody>
</table>

Purchase Order:

- **Shipping Method**: AIT Logistics
- **Total for all Items**: $1,643.47
- **Shipping & Handling**: $6.98
- **Sales Tax**: $0.00
- **Quote Total**: $1,650.45

Payment Method: [Open Account]

Ask your agent about installation. We now offer expert hardware and software deployment services. No job is too big for us to handle from a simple small network to an enterprise level rollout.

Thank you for the opportunity to provide you with the pricing and information above.

<table>
<thead>
<tr>
<th>Terms &amp; Conditions</th>
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<tbody>
<tr>
<td>- Sales tax will be charged where applicable unless a tax-exempt certificate is on file.</td>
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