PROPOSAL TO ESTABLISH A NEW COURSE MATERIALS FEE

Original: Oct 19 2009

School/College: College of Engineering
Department/Program: Electrical Engineering and Computer Sciences
Effective Date of Fee: Fall 2010
Department Contact: Kevin Mullally, 378 Cory Hall, 643-6141, kevinm@eecs.berkeley.edu

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Course No.</th>
<th>Required for Major (Y/N)</th>
<th>Annual H/C Enrollment (1)</th>
<th>Proposed Fee (2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Please see Table 3: Courses</td>
<td>22 courses</td>
<td></td>
<td>4334</td>
<td>$23.00</td>
</tr>
</tbody>
</table>

(1) Annual headcount enrollment is defined as the average enrollment of the two most recent times the course has been offered, as reported on the campus’ official third week enrollment figures.

(2) Round to whole dollars

1. Statement of Justification (reasonableness test – why departmental instructional funding cannot cover the cost, how is the cost currently covered)

A CMF of $23 per semester is proposed by EECS for 22 courses with scheduled instructional sessions or weekly assignments using our computers (Table 3).

We request this from the students reluctantly. It is needed to mitigate the 21% ($116K) cut to state funding for instructional computing in July 2009, which followed a 5% cut the previous year. Without this CMF, we will be unable to fund essential and basic repairs, upkeep and licenses that are needed to maintain the status quo (Table 2).

Our funds support:
- the purchase and maintenance of 415 workstations in 16 labs, 61 servers, 19 printers
- the network fees for all instructional computers and printers
- the infrastructure support (repair, maintenance, furnishings) of the computer labs and server rooms
- the licenses for several large commercial software applications
- 5.75 career staff who do the systems administration, computer maintenance, applications programming and help desk support for over 100 classes per semester using over 5000 networked computer accounts.

Students have 24x7 cardkey access to workstations in the labs. They have 24x7 access from any networked computer to our login servers and to all the licensed software that runs on them. We provide numerous software packages for installation on their home computers.

Despite the cuts, the number of courses and students using our computing resources is expected to remain stable, and our instructors already need more support services than our staff can provide. As we strive to reduce costs, the conditions of our computers and labs are deteriorating. We need to replace damaged and worn out equipment and furnishings, for the benefit and comfort of the students.

The total enrollment for Spring, Summer and Fall 2010 is estimated to be 4334 students, so a CMF of $23 per semester would create an annual revenue of approximately $100300.

This fee would include the cost of network service, and we have previously charged Summer Sessions about $15K for that each year. Summer Session classes would also pay this new CMF, so we would forego the $15K revenue. That would bring our annual net gain to $85300 (100300-15000).

Accountability: These CMF funds will have a zero balance at the end of the fiscal year. Any surplus would be resolved by a reduction in the subsequent fee.
2. Description of Department/School/College CMF review process (please address student consultation in review process)

In postings to class newsgroups and student organizations, students are invited to answer a new questionnaire at http://inst.eecs.berkeley.edu/~inst/survey09/. The survey and its results will be appended to this Proposal.

3. Description of student appeal process for refund of CMS

Refunds would be handled on a per-case basis; student would make a written appeal to the course instructor.

4. What is the average cost of a textbook for this course? What is the average textbook cost for all departmental courses?

The cost of textbooks for EE and CS courses is $80-$150 per semester.

5. Detailed cost information and rate calculation.

Table 2 lists maintenance costs from the previous 2 years that are now unfunded. The CMF would be used to fund the predictable recurring items on this list (such as software licenses) and items that are similar to the one-time items (such as replacing broken chairs in a lab).
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## Attachments

<table>
<thead>
<tr>
<th>Table</th>
<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table 1</td>
<td>Cost Table</td>
<td>(from “CMF-ISG-2009.xls”)</td>
</tr>
<tr>
<td>Table 2</td>
<td>Unfunded Operating Costs (itemized)</td>
<td>(from “CMF-ISG-2009.xls”)</td>
</tr>
<tr>
<td>Table 3</td>
<td>Courses that Use the Computer Labs (enrollments)</td>
<td>(from “CMF-ISG-2009.xls”)</td>
</tr>
<tr>
<td></td>
<td>Student Survey Presentation</td>
<td>(from “survey2009.pdf”)</td>
</tr>
<tr>
<td></td>
<td>Student Survey Results</td>
<td>(pending)</td>
</tr>
</tbody>
</table>
### SPECIFIC COST CATEGORIES

**A. Supplies & Expense**

*Include only the amounts to be charged to CMF.*

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Annual cost&lt;sup&gt;(2)&lt;/sup&gt; to CMF funds</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Infrastructure Maintenance</td>
<td>$8,321</td>
</tr>
<tr>
<td>2) Printer Maintenance</td>
<td>$800</td>
</tr>
<tr>
<td>3) Software Maintenance</td>
<td>$12,813</td>
</tr>
<tr>
<td>4) Computer Maintenance</td>
<td>$21,947</td>
</tr>
<tr>
<td>5) Network Service</td>
<td>$57,900</td>
</tr>
</tbody>
</table>

Please see Table 2: "Unfunded Operating Costs" for itemized lists.

**B. Equipment**

annual cost = purchase cost divided by years of useful life

<table>
<thead>
<tr>
<th>equip item</th>
<th>purchase cost</th>
<th>years of useful life</th>
<th>Annual cost&lt;sup&gt;(2)&lt;/sup&gt; to CMF funds</th>
</tr>
</thead>
</table>

**TOTAL:** $101,781

**PROPOSED FEE:** $23

(fee is based on annual cost funded by CMF divided by annual headcount enrollment)

### C. Course Costs Charged to Other Dept Funds

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Annual Cost to Non-CMF funds</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Infrastructure Maintenance</td>
<td>$8,822</td>
</tr>
<tr>
<td>2) Printer Maintenance</td>
<td>$14,610</td>
</tr>
<tr>
<td>3) Software Maintenance</td>
<td>$1,089</td>
</tr>
<tr>
<td>4) Computer Maintenance</td>
<td>$9,069</td>
</tr>
</tbody>
</table>

**TOTAL:** $33,590

<sup>(1) Annual headcount enrollment is defined as the average enrollment of the two most recent times the course has been offered, as reported on the campus' official third week enrollment figures.</sup>

<sup>(2) Annual cost is defined as the actual expense during the most recent complete academic year.</sup>
## Table 2: Unfunded Operating Costs

### EECS ISG Budget FY 2009-2010

#### Examples of Unfunded operating costs

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EHNIF</td>
<td>telephones in labs (for safety)</td>
<td>UCB Telecom</td>
<td>$1,296</td>
<td>$2,759</td>
<td>$2,027</td>
</tr>
<tr>
<td>EHNIF</td>
<td>projector mount in computing lab (at request of instructor)</td>
<td>EECS Machine Shop</td>
<td>$0</td>
<td>$434</td>
<td>$277</td>
</tr>
<tr>
<td>EHNIF</td>
<td>CardKey System Fees + repairs for labs</td>
<td>UC Police</td>
<td>$2,619</td>
<td>$694</td>
<td>$1,772</td>
</tr>
<tr>
<td>EHNIF</td>
<td>additional security bars for windows in lab</td>
<td>EECS Machine Shop</td>
<td>$0</td>
<td>$651</td>
<td>$325</td>
</tr>
<tr>
<td>EHNIF</td>
<td>wax floors, wash windows; repair door locks in labs</td>
<td>UCB Physical Plant</td>
<td>$0</td>
<td>$2,560</td>
<td>$1,280</td>
</tr>
<tr>
<td>EHNIF</td>
<td>replace 30 broken chairs per year</td>
<td>OneWorkPlace</td>
<td>$5,400</td>
<td>$6</td>
<td>$2,700</td>
</tr>
<tr>
<td><strong>SUBTOTAL:</strong></td>
<td></td>
<td></td>
<td><strong>$9,315</strong></td>
<td><strong>$7,327</strong></td>
<td><strong>$8,321</strong></td>
</tr>
<tr>
<td>EHPTR</td>
<td>replacement parts to repair 19 printers</td>
<td>ComputerCare; various others</td>
<td>$238</td>
<td>$1,362</td>
<td>$800</td>
</tr>
<tr>
<td><strong>SUBTOTAL:</strong></td>
<td></td>
<td></td>
<td><strong>$238</strong></td>
<td><strong>$1,362</strong></td>
<td><strong>$800</strong></td>
</tr>
<tr>
<td>EHSOF</td>
<td>2 year Hspice/TCAD Licenses</td>
<td>Synopsys Inc.</td>
<td>$0</td>
<td>$3,000</td>
<td>$1,500</td>
</tr>
<tr>
<td>EHSOF</td>
<td>software License renewal: MATLAB</td>
<td>Math Works Inc.</td>
<td>$1,987</td>
<td>$2,017</td>
<td>$2,002</td>
</tr>
<tr>
<td>EHSOF</td>
<td>software License Renewal: CADENCE</td>
<td>Cadence Design Systems</td>
<td>$4,500</td>
<td>$4,894</td>
<td>$4,697</td>
</tr>
<tr>
<td>EHSOF</td>
<td>EMC tape archiving software licenses: LEGATO Networker</td>
<td>The Scholars’ Workstation</td>
<td>$0</td>
<td>$3,112</td>
<td>$1,556</td>
</tr>
<tr>
<td>EHSOF</td>
<td>24 software licenses/ 1 media: MACOSX</td>
<td>The Scholars’ Workstation</td>
<td>$1,034</td>
<td>$9</td>
<td>$517</td>
</tr>
<tr>
<td>EHSOF</td>
<td>SSL Certificate</td>
<td>EECS ISG</td>
<td>$750</td>
<td>$0</td>
<td>$375</td>
</tr>
<tr>
<td>EHSOF</td>
<td>Photoshop; Quicktime; Cheetah Burner; Kagi; VMWare; Symantec for lab PCs</td>
<td>various</td>
<td>$3,693</td>
<td>$638</td>
<td>$2,166</td>
</tr>
<tr>
<td><strong>SUBTOTAL:</strong></td>
<td></td>
<td></td>
<td><strong>$11,964</strong></td>
<td><strong>$13,661</strong></td>
<td><strong>$12,813</strong></td>
</tr>
<tr>
<td>EHNET</td>
<td>GIF fees for Inst labs</td>
<td>ISG Recharge</td>
<td>$48,600</td>
<td>$51,000</td>
<td>$49,800</td>
</tr>
<tr>
<td>EHNET</td>
<td>GIF fees for Inst labs</td>
<td>ISG Recharge</td>
<td>$7,200</td>
<td>$9,000</td>
<td>$8,100</td>
</tr>
<tr>
<td><strong>SUBTOTAL:</strong></td>
<td></td>
<td></td>
<td><strong>$55,800</strong></td>
<td><strong>$60,000</strong></td>
<td><strong>$57,900</strong></td>
</tr>
<tr>
<td>EHCMPC</td>
<td>for user file backups: AIT3 tapes &amp; cleaning cartridges</td>
<td>Coastal Micro Supply</td>
<td>$1,054</td>
<td>$2,026</td>
<td>$1,540</td>
</tr>
<tr>
<td>EHCMPC</td>
<td>for lab computers: new ibdss &amp; mice</td>
<td>various</td>
<td>$3,600</td>
<td>$659</td>
<td>$2,130</td>
</tr>
<tr>
<td>EHCMPC</td>
<td>for lab computers: desktop RAM</td>
<td>various</td>
<td>$312</td>
<td>$113</td>
<td>$228</td>
</tr>
<tr>
<td>EHCMPC</td>
<td>for lab computers: DVD burners; hard drives</td>
<td>various</td>
<td>$1,246</td>
<td>$1,600</td>
<td>$1,423</td>
</tr>
<tr>
<td>EHCMPC</td>
<td>for lab computers: video adapters, batteries, video cards, fans</td>
<td>various</td>
<td>$1,741</td>
<td>$2,631</td>
<td>$2,186</td>
</tr>
<tr>
<td>EHCMPC</td>
<td>Data access service for student enrollment records</td>
<td>UCB Telecom</td>
<td>$1,804</td>
<td>$1,804</td>
<td>$1,804</td>
</tr>
<tr>
<td>EHCMPC</td>
<td>SUN servers: 6 hardware contracts</td>
<td>SUN</td>
<td>$9,400</td>
<td>$6,643</td>
<td>$8,022</td>
</tr>
<tr>
<td>EHCMPC</td>
<td>SUN servers: replacement disks &amp; parts</td>
<td>SUN</td>
<td>$842</td>
<td>$755</td>
<td>$798</td>
</tr>
<tr>
<td>EHCMPC</td>
<td>NetApp file server: replacement disks &amp; parts</td>
<td>Berkeley Communications Corp</td>
<td>$1,951</td>
<td>$1,740</td>
<td>$1,845</td>
</tr>
<tr>
<td>EHCMPC</td>
<td>3 new projectors for labs</td>
<td>Dell Computers Corp</td>
<td>$0</td>
<td>$2,621</td>
<td>$1,311</td>
</tr>
<tr>
<td>EHCMPC</td>
<td>2 flatbed scanners for labs</td>
<td>Amazon.com</td>
<td>$697</td>
<td>$6</td>
<td>$299</td>
</tr>
<tr>
<td>EHCMPC</td>
<td>playstation with Linux for programming on an MIPS cpu</td>
<td>eBay</td>
<td>$587</td>
<td>$138</td>
<td>$362</td>
</tr>
<tr>
<td><strong>SUBTOTAL:</strong></td>
<td></td>
<td></td>
<td><strong>$23,134</strong></td>
<td><strong>$20,759</strong></td>
<td><strong>$21,947</strong></td>
</tr>
<tr>
<td><strong>TOTAL:</strong></td>
<td></td>
<td></td>
<td><strong>$100,452</strong></td>
<td><strong>$103,109</strong></td>
<td><strong>$101,781</strong></td>
</tr>
</tbody>
</table>
### Table 3: Courses that Use the Computer Labs (enrollments and projections)

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Software Used</th>
<th>Course Number</th>
<th>Required for major? (y/n)</th>
<th>Sp 2008</th>
<th>Sp 2009</th>
<th>Sp 2010 projected (average of last 2 years)</th>
<th>Su 2008</th>
<th>Su 2009</th>
<th>Su 2010 projected (average of last 2 years)</th>
<th>Fa 2008</th>
<th>Fa 2009</th>
<th>Fa 2010 projected (average of last 2 years)</th>
<th>Totals 2010 projected (Sp+Su+Fa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Introduction to Embedded Systems</td>
<td>XILINX</td>
<td>CS150</td>
<td>n</td>
<td>39</td>
<td>65</td>
<td>52</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>71</td>
<td>44</td>
<td>58</td>
<td>109.50</td>
</tr>
<tr>
<td>2. User Interface Design</td>
<td>FLEX, SAM, MOVIE, SDKs</td>
<td>CS160</td>
<td>n</td>
<td>67</td>
<td>58</td>
<td>63</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>43</td>
<td>52</td>
<td>48</td>
<td>110.00</td>
</tr>
<tr>
<td>3. Operating Systems &amp; System Programming</td>
<td>SVN, NACHOS</td>
<td>CS162</td>
<td>y</td>
<td>104</td>
<td>41</td>
<td>73</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>116</td>
<td>125</td>
<td>121</td>
<td>193.00</td>
</tr>
<tr>
<td>4. Programming Languages and Compilers</td>
<td>SVN, JAVAC, PYTHON, etc</td>
<td>CS164</td>
<td>n</td>
<td>39</td>
<td>63</td>
<td>51</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>64</td>
<td>32</td>
<td>83.00</td>
</tr>
<tr>
<td>5. Software Engineering</td>
<td>SVN, MYSQL, APACHE, etc</td>
<td>CS169</td>
<td>n</td>
<td>52</td>
<td>56</td>
<td>54</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>29</td>
<td>32</td>
<td>31</td>
<td>84.50</td>
</tr>
<tr>
<td>6. Efficient Algorithms and Intractable Problems</td>
<td>C++, JAVA, LPSOLVE, STP, etc</td>
<td>CS170</td>
<td>y</td>
<td>80</td>
<td>231</td>
<td>156</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>89</td>
<td>130</td>
<td>110</td>
<td>265.00</td>
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<tr>
<td>7. Computer Graphics</td>
<td>OPENGL, GLUT</td>
<td>CS184</td>
<td>n</td>
<td>51</td>
<td>51</td>
<td>51</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>57</td>
<td>68</td>
<td>63</td>
<td>113.50</td>
</tr>
<tr>
<td>8. Database Systems</td>
<td>POSTGRES</td>
<td>CS186</td>
<td>n</td>
<td>77</td>
<td>106</td>
<td>92</td>
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<td>0</td>
<td>0</td>
<td>107</td>
<td>108</td>
<td>108</td>
<td>199.00</td>
</tr>
<tr>
<td>9. Artificial Intelligence</td>
<td>PYTHON, ECLIPSE</td>
<td>CS188</td>
<td>n</td>
<td>75</td>
<td>99</td>
<td>85</td>
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<td>211</td>
<td>218</td>
<td>219</td>
<td>299.50</td>
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<tr>
<td>10. Symbolic Programming</td>
<td>SCHEME</td>
<td>CS3/L</td>
<td>n</td>
<td>102</td>
<td>103</td>
<td>103</td>
<td>29</td>
<td>29</td>
<td>29</td>
<td>168</td>
<td>178</td>
<td>173</td>
<td>304.50</td>
</tr>
<tr>
<td>11. Structure ... of Computer Programs</td>
<td>SCHEME</td>
<td>CS61A</td>
<td>y</td>
<td>205</td>
<td>273</td>
<td>239</td>
<td>75</td>
<td>91</td>
<td>83</td>
<td>373</td>
<td>387</td>
<td>380</td>
<td>702.00</td>
</tr>
<tr>
<td>12. Data Structures</td>
<td>JAVA</td>
<td>CS61B/L</td>
<td>y</td>
<td>164</td>
<td>275</td>
<td>220</td>
<td>79</td>
<td>111</td>
<td>95</td>
<td>99</td>
<td>121</td>
<td>110</td>
<td>424.50</td>
</tr>
<tr>
<td>14. Structure ... of Systems and Signals</td>
<td>LABVIEW</td>
<td>EE20N</td>
<td>n</td>
<td>106</td>
<td>131</td>
<td>119</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>177</td>
<td>232</td>
<td>205</td>
<td>323.00</td>
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<tr>
<td>15. Microelectronic Devices and Circuits</td>
<td>HSPICE</td>
<td>EE105</td>
<td>n</td>
<td>69</td>
<td>55</td>
<td>62</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>67</td>
<td>69</td>
<td>68</td>
<td>130.00</td>
</tr>
<tr>
<td>16. Signals and Systems</td>
<td>MATLAB</td>
<td>EE120</td>
<td>n</td>
<td>107</td>
<td>92</td>
<td>100</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>79</td>
<td>72</td>
<td>76</td>
<td>175.00</td>
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<tr>
<td>17. Communication Networks</td>
<td>OPNET, NS-2</td>
<td>EE122</td>
<td>n</td>
<td>40</td>
<td>46</td>
<td>43</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>94</td>
<td>94</td>
<td>94</td>
<td>137.00</td>
</tr>
<tr>
<td>18. Feedback Control</td>
<td>MATLAB, QUANSER</td>
<td>EE128</td>
<td>n</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>26</td>
<td>30</td>
<td>28.00</td>
</tr>
<tr>
<td>19. Linear Integrated Circuits</td>
<td>HSPICE</td>
<td>EE140</td>
<td>n</td>
<td>36</td>
<td>42</td>
<td>39</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>31</td>
<td>17</td>
<td>24</td>
<td>63.00</td>
</tr>
<tr>
<td>20. Digital Integrated Circuits</td>
<td>HSPICE, CACENCE</td>
<td>EE141</td>
<td>n</td>
<td>57</td>
<td>26</td>
<td>42</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>67</td>
<td>47</td>
<td>57</td>
<td>98.50</td>
</tr>
<tr>
<td>21. Integrated Circuits for Communication</td>
<td>HSPICE, ADS</td>
<td>EE142</td>
<td>n</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>34</td>
<td>25</td>
<td>30</td>
<td>29.50</td>
</tr>
<tr>
<td>22. Design of Embedded Systems</td>
<td>MATLAB</td>
<td>EE249</td>
<td>n</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>10</td>
<td>7</td>
<td>9</td>
<td>8.50</td>
</tr>
</tbody>
</table>

**Totals:** 1670 1977 1824 283 347 315 2098 2294 2197 4334.50

In Fall 2009 (for example), about 585 students are in 2 of these classes concurrently and would pay this CMF for 2 classes.

In Fall 2009 (for example), about 92 students are in 3 of these classes concurrently and would pay this CMF for 3 classes.
Hello EECS student,

I hope you can spare a minute to give us your opinion about new Course Materials Fees (CMF) for Fall 2010 that we will propose. There is a link to an anonymous survey at the bottom of this page.

The Proposal:

We propose that a CMF of $23 per semester be charged to students in 22 EE and CS courses that have scheduled instructional sessions or weekly assignments using our computers. The list of classes is in the anonymous survey (below) and in the text of our CMF Proposal (Table 3). CMF are charged to students who are enrolled on the 8th week of the semester.

Course fee proposals are reviewed by a campus committee who may approve, alter or reject them. Student feedback to the proposal is required and is highly regarded.

The Need:

We know that any fee imposes a burden on each of you. We reluctantly request fees now because our funding from the University was reduced by 21% ($116K) in July 2009, following the reduction to the UC system by the State Legislature. This cuts into essential operating expenses for which we have no alternative funding, including computer and printer repair, shared software licenses and the physical cleanliness and safety of our labs. These items are detailed in the "Unfunded Operating Costs" (Table 2) in the Proposal.

Despite the alarming increase in tuitions, we are told that this cut is permanent and may be followed by further cuts in FY 2010-2011.

EECS does receive funding from the University to support the Instructional computer labs. Supplemented by generous discounts and grants from computer and software providers, we have been able to maintain and improve a heterogeneous computing environment that has grown from about 110 workstations and 10 servers in 1990 to 415 workstations and 61 servers today. Our computers and software are accessible 24x7 in many of our labs as well as from home computers and wireless laptops.

However, in the last 2 years our funding from the State has diminished severely. Our funds were cut by 5% in FY 2008-2009. We absorbed that loss without the need for course fees by deferring maintenance in our labs and by having some staff take voluntary leave without pay.

But the additional 21% cut in FY 2009-2010 (along with the 8% involuntary staff reductions due to furloughs) is too severe to absorb without help. We hope to regain about $85K annually via this course fee.

Please let us know your opinion about this proposed fee by completing this short, anonymous survey:

For more information about EECS Instructional resources:

Staff and Services - Summary of our responsibilities
Fall 2009 Manager's Report - Current Instructional facilities, recent improvements

Thank you,

Kevin Mullally, Manager of EECS Instructional Support
378 Cory Hall, (510) 643-6141, kevinm@eecs.berkeley.edu
# Student Survey about EECS Course Fees

## CMF Survey Questions - October 2009

1. **Please check the courses that you have taken or plan to take:**

   - [ ] cs150
   - [ ] cs160
   - [ ] cs162
   - [ ] cs164
   - [ ] cs169
   - [ ] cs170
   - [ ] cs184
   - [ ] cs186
   - [ ] cs188
   - [ ] cs3
   - [ ] cs31
   - [ ] cs61a
   - [ ] cs61b
   - [ ] cs61bl
   - [ ] cs61cl
   - [ ] ee128
   - [ ] ee20n
   - [ ] ee105
   - [ ] ee120
   - [ ] ee122
   - [ ] ee140
   - [ ] ee141
   - [ ] ee142
   - [ ] ee249

2. **For the courses that you selected, do you think a **$23** course fee is acceptable for:**

   - [ ] each of those courses
   - [ ] none of those courses
   - [ ] some of those courses (you could list them in the comment below)

3. **The $23 fee is for costs in 5 categories. Please give your opinion about the status of each category:**

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
<th>Would you pay $2 per semester to sustain and improve this service?</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Infrastructure</strong></td>
<td>In EECS labs, the condition of chairs, cleanliness (including keyboards and mice), garbage bins, temperature, lighting, whiteboards, etc is usually:</td>
<td>[ ] bad  [ ] acceptable  [ ] excellent</td>
</tr>
<tr>
<td></td>
<td>Cost last year: $10,984</td>
<td>[ ] no  [ ] yes</td>
</tr>
<tr>
<td><strong>Printers</strong></td>
<td>In EECS labs, the reliability of the printers is usually:</td>
<td>[ ] bad  [ ] acceptable  [ ] excellent</td>
</tr>
<tr>
<td></td>
<td>Cost last year: $15,860</td>
<td>[ ] no  [ ] yes</td>
</tr>
<tr>
<td><strong>Software</strong></td>
<td>Is it usually convenient for you to run software for your assignments? Is it available in labs and over the net from your laptop? Does it work according to the instructions you received in class?</td>
<td>[ ] no, unsatisfactory  [ ] OK, could be better  [ ] yes, great</td>
</tr>
<tr>
<td></td>
<td>Cost last year: $17,567</td>
<td>[ ] no  [ ] yes</td>
</tr>
<tr>
<td><strong>Computers</strong></td>
<td>Do the Instructional computers (workstations and servers) usually work well for you?</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Would you pay $5 per semester to sustain and improve this service?</td>
<td>[ ] no  [ ] yes</td>
</tr>
</tbody>
</table>

10/19/2009

https://inst.eecs.berkeley.edu/~inst/survey09/
4. Comments or Questions (please include your email address to get an answer):

Thank you.

Contact: Kevin Mullally (510/643-6141)
Table 4: Results of Student Survey about CMF Proposal