

## Purpose of Biology computer lab fees

### Description:

The Department of Biology currently manages a fleet of 130+ teaching laptops used in various courses. Biology typically has 8 teaching labs where we rotate the laptops in and out based on need. Every 5-7 years the laptops have to be replaced, the timing of which depends on if the laptops are able to be supported by current operating system updates. Once the systems are no longer able to be updated, and thus secure, we have to replace them. Biology would like to assess a computer fee for courses where laptops are in high demand and used by every student. We have a few upper-level computer courses where most students bring their own laptops, those courses are not under consideration for this fee. We have discussed, as a department, having students bring their own computers for the majority of our courses, and what the impact of that would be. Some of the concerns around having students use their own laptops are as follows: \* A majority of the laptop use is in conjunction with some sort of data acquisition hardware, which plugs into our laptops. This requires the laptops to be up-to-date with specific software, which is licensed to university-owned laptops, not student laptops. \* These laptops are used in courses with as many as 350 students, for which it would be difficult to work around the various kinds of systems students might own, if we were to require students to bring their own computers into lab. Using the Biology fleet for the majority of our courses allows us to setup the computers with the software needed prior to the lab period, so that valuable lab time is not spent troubleshooting various types of laptops. Not all software programs are compatible across all platforms \* The laptops are often also used in a wet-lab environment, which would put student-owned laptops at risk. \* Equity - not all students own laptops. Some own desktops or not computer at all. The laptops (Chromebooks) that the UO checks out to students don't work with several of our software packages and data acquisition systems. The attached list of courses requires students to use the biology teaching fleet laptops regularly throughout the term (for each term it is taught) and thus we would like to request a \$10 computer use/course fee attached to the course. The fees will allow us to better fund replacement of the laptops every 6-7 years as required by operating system updates. We recently requested funding to purchase and replace 104 of our systems that will soon age out. We received funding to replace 65 of the 104 systems. Assessing student fees to some of our courses that rely on these systems will help in our efforts to periodically replace aging/outdated laptops. We will continue to assess the use of the laptops in our courses and if need decrease, we will lower the number of laptops required to keep up with demand. That said, over the years, the computer needs of various courses have increased, not decreased.




### Anticipated Revenue:

See attached Anticipated Revenue document ("Laptop fees collection vs exp")

### Supplemental Documents:

 [laptop\\_fees\\_collection\\_vs\\_exp.xlsx](#)

### Signature Block

	Authorization	Name	Email Address	Signature Status
✓	CAS Divisional Dean Natural Sciences	Hal Sadofsky	 sadofsky@uoregon.edu	Signed 10/27/2022 - 19:35
✓	Dean / Director	Bruce Bowerman	 bowerman@uoregon.edu	Signed 10/28/2022 - 09:18
✓	Fee Book Administrator, BRP	Donna Chittenden	 dmc@uoregon.edu	Signed 10/28/2022 - 10:19

Biology New Course Fees

Course Title	Course	Frequency	X6 years	Enrollment Cap - all terms	\$ Fee	Revenue after 6 years
Gen Bio I: Cells	211	3	6	568	\$ 10.00	\$ 34,080.00
Gen Bio II: Organisms	212	3	6	582	\$ 10.00	\$ 34,920.00
Gen Bio III: Populations	213	3	6	322	\$ 10.00	\$ 19,320.00
Gen Bio IV: Mechanisms	214	3	6	463	\$ 10.00	\$ 27,780.00
Honors Bio I: Cells, Biochem & Phys	281	1	6	64	\$ 10.00	\$ 3,840.00
Honors Bio II: Genetics & Molec Bio	282	1	6	49	\$ 10.00	\$ 2,940.00
Honors Bio III: Evol, Diversity, Ecol	283	1	6	48	\$ 10.00	\$ 2,880.00
Animal Physiology	356	1	6	48	\$ 10.00	\$ 2,880.00
Ecology	370	1	6	48	\$ 10.00	\$ 2,880.00
Data Visualization	410/510	1	6	20	\$ 10.00	\$ 1,200.00
Population Ecology	471/571	1	6	24	\$ 10.00	\$ 1,440.00
Matlab for Biologists	410/510	1	6	24	\$ 10.00	\$ 1,440.00
<b>TOTAL EST. FEES COLLECTED</b>						<b>\$ 135,600.00</b>
Est. cost of 134 laptops replaced (based on 2022 purchase price)				\$ 1,380.04	134	\$ 184,925.36
<b>Department to pay after revenue:</b>						<b>\$ 49,325.36</b>
<b>Percentage Dept pays</b>						<b>26.67%</b>

Biology New Course Fees

Enrollment all terms						
Course	fall	winter	spring	summer	total	
211	330	192	0	46	568	
212	0	360	168	54	582	
213	90	0	192	40	322	
214	149	0	234	80	463	
281	64	0	0	0	64	
282	0	49	0	0	49	
283	0	0	48	0	48	
356	0	48	0	0	48	
370	0	48	0	0	48	
410/510	24	0	0	0	24	data vis.
471/571	0	24	0	0	24	
410/510	0	24	0	0	24	MatLab

# Education Studies New Course Fee request

UO Forms (Set B)

## Signature Complete

No further action required.

A date and time stamp was recorded below.

Please logout and close this tab.

Fee Request for Lab or Course review details and status...

### Department Contact Information

**First Name:** Jennifer

**Last Name:** McGovney

**Department:** Education Studies

**Phone:** 6-2453

### Request Information

**Subject Code:** EDST

**Course Number:** 448/548

**Course Title:** Integrating the Arts

**Proposed Fee:** 10.00

**Fee Structure:** Flat

**Index Code:** CEIFEE





### Description:

This fee will support course materials used in EDST 448/548. These materials will include art supplies such as acrylic and watercolor paints, paint brushes and paper, markers, pens, and pencils. The collected fees likely will not cover the entire expense of these materials, but will go toward the cost while keeping the course affordable for students.

### Anticipated Revenue:

The program anticipates offering the course 2-3 times per year, with enrollments of around 30 per section. At \$10 per student, the fee would collect between \$600-\$900. These fees would likely not cover the entire cost of the necessary materials, but would ease the strain on the department/program to support them.

### Signature Block

Authorization	Name	Email Address	Signature Status
 Dean or VP	Laura Lee McIntyre	 llmcinty@uoregon.edu	Signed 11/08/2022 - 18:24
 BRP Review	Donna Chittenden	 dmc@uoregon.edu	Signed 11/10/2022 - 13:55

CC

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### Add Comment:

Your name **dmc**

Comment \*

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# Physics New Course Fee request

UO Forms (Set B)

Forwarded to "Review For Fee Request for Lab or Course by bsboggs on Fri, 2022-09-30 12:16 (Revised by bsboggs)" from content "Fee Request for Lab or Course by bsboggs on Fri, 2022-09-30 12:16 (Revised by bsboggs)" (nid: 458980)

Fee Request for Lab or Course review details and status...

## Department Contact Information

**First Name:** Bryan  
**Last Name:** Boggs  
**Department:** Physics  
**Phone:** 5413465296

## Request Information

**Subject Code:** PHYS  
**Course Number:** 290  
**Course Title:** Foundations Phys Lab  
**Proposed Fee:** 24.00  
**Fee Structure:** per student per term  
**Index Code:** BPINCX

## Description:

The purpose of the fee is to regularly replace/repair items and equipment used by PHYS 290 students as they engage in experiments in the lab (maintain the functionality of the lab course). The fee was obtained by estimating the longevity of items and equipment used in the lab (and their expected repair/replacement costs).









## Anticipated Revenue:

4 (sections) x 10 (students on average) x \$24 (lab fee) = \$960/term total Without the lab fee the department needs to pay approximately this amount (on average) to support this lab course.

## Supplemental Documents:

 [phys\\_290\\_fees.pdf](#)

## Signature Block

Authorization	Name	Email Address	Signature Status
 Physics DH	Richard Taylor	 rpt@uoregon.edu	Signed 10/28/2022 - 10:00
 Asst. Dean / Director	Shelley Elliott	 shelle1@uoregon.edu	Signed 10/28/2022 - 10:16
 Dean / Director	Hal Sadofsky	 sadofsky@uoregon.edu	Signed 10/28/2022 - 10:28
 Fee Book Administrator, BRP	Donna Chittenden	 dmc@uoregon.edu	Signed 10/28/2022 - 10:41

CC

Cancel In-Progress Revision by bsboggs

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## Add Comment:

**Your name** [dmc](#)

**Comment \***

Courses: PHYS 290 Foundations of Physics Lab

Laboratory fees for these courses reflect the material and supply costs incurred by the physics department as well as costs for replacing/repairing damaged lab equipment every few years.

**Materials and Supplies used by students per term every 1 year**

Electronic Supplies\* (batteries, conducting paper, wire resistors, capacitors, etc.) \$3/term

Fire Extinguisher Recharges\* \$2/term

\* These are not regular classroom materials or supplies. They are consumables used by students in various physics experiments.

**Consumables: \$5 /student/term**

**Replacement costs every 3-5 years**

Miscellaneous small lab hardware \$600 (rods, springs, tubes, masses, etc.) \$2/term

Computers \$3000 (8 chromebooks ~ \$375 each) \$10/term

Multimeters \$250 (8 meters ~ \$30 each) \$1/term

Vernier hardware \$1250 (3 motion sensors, 3 rotation sensors, 3 interfaces – or similar) \$4/term

Function Generators \$600 (5 replacements every 5 years at \$120 each) \$2/term

**Equipment Replacement Costs: \$19 /student/term**

**Total replacement costs per year \$24/student/term**

Explanation of Fee Request: These labs currently do not have any revenue stream other than the physics department's yearly discretionary funds. The list of expenses and fees outlined above are meant to indicate the operating costs of the lab and the fees charged per student per term requested to financially stabilize the lab.

The dollar amount shown to the right of the consumable (top list) is the expected cost per term that the lab would incur to provide the appropriate educational outcome for the student.

For the equipment replacement list, the first dollar amount (to the right of the item) is the expected replacement costs for replacing/repairing the item approximately every 3-5 years (equipment breaks or otherwise becomes semi-functional - or entirely dysfunctional - during the normal course of use).