

Engineering Student Technology Committee (ESTC):

Meeting minutes for March 22, 2002 - Engineering Conference Room - 8:00am

Present: Prof. Fitzhorn (ME), Kevin Harris (ME), JP Murray (ECE),
Mark Ritschard (ENS), Steve Sanborn (CE), David Wiegandt (ECE),
Prof. Wilmsen (ECE)

Absent: Prof. Dandy (ChemE), Tim Feather (ME), Prof. Garcia (CE),
Prof. Gessler (Associate Dean for Academic Affairs),
Jennifer Meints (intra), Eric Mui (ECE), Jenny Po (ChemE),
Marcel Zibognon (CE)

- Corrections to previous meetings minutes (3-6-02)

none.

- University Charges for Technology Meeting

The University Charges for Technology (CFT) Committee oversees the charge for technology process at the university and maintains the CFT manual for the State Board of Agriculture. The agenda for the upcoming CFT meeting was reviewed and no items were added by this committee. Murray volunteered to attend the meeting with Wiegandt and Ritschard.

- NSF Grant

Ritschard provided an overview of an NSF Grant proposal he submitted for research resources and the integration of research and education. The grant involves a cost-share from the college, part of which will come from the normal allocation to ENS of student tech funds. During Spring Break, Ritschard was counselled to provide a letter of support from the ESTC as part of the grant, indicating the committee's support of the project (via the normal ENS allocation). Because the submission deadline was during spring break, Ritschard asked Wiegandt to consider signing a support letter, which he did. Ritschard read the letter to the committee, who generally agreed it was an

exciting opportunity (though the excitement was a bit subdued).

- Internet Cafe

Wiegandt outlined his work to date on soliciting interest in the Internet Cafe and reported that the departments are very interested in participating. He also presented a rough sketch of the proposed elements for the cafe. Ritschard then distributed a rough cost estimate of \$70,500 for the cafe. The elements and the estimated costs are as follows:

- 1) Internet access bar with approximately 8 thin clients
\$14,600
- 2) Workstation bench with approximately 8 thin clients
\$11,600
- 3) Conference Studio with seating for 10
\$22,000
- 4) Vending Area
\$3,300
- 5) Coffee/cafe tables with 1 thin client at each table
\$10,200
- 6) food/snack sales counter
\$4,000
- 7) lounge area
\$4,800

Discussion followed on costs of various elements, nothing that the tech fee may only pay for the technology aspects of the cafe. However, Wiegand reiterated that the departments are willing to participate. Fitzhorn moved and Harris seconded that the cafe be implemented per the illustration, keeping the elements as is and allocating the remaining \$20,000 budget to the project. The motion passed unanimously. The committee charged Wiegand and Ritschard with implementing the cafe, if approved by the college administration. The elements are to be added to the cafe in the order presented above. If possible, the cafe will be started this coming summer.

- Budget Planning for FY03

A handout with the current budget for fiscal year 2002 (FY02) was reviewed:

Advance Purchases	\$22,000
Assistive Technology	\$2,000
Business Expenses	\$2,000
Central Services & Systems	\$226,000
Laboratory Maintenance	\$20,000
Network Maintenance	\$6,000
Server Maintenance & Support	\$40,000
College Lab Equip. Replacement	\$110,000
Student Wages	\$60,000
Department Allocations	\$118,000
Atmospheric Science	\$22,000
Chemical Engineering	\$14,370

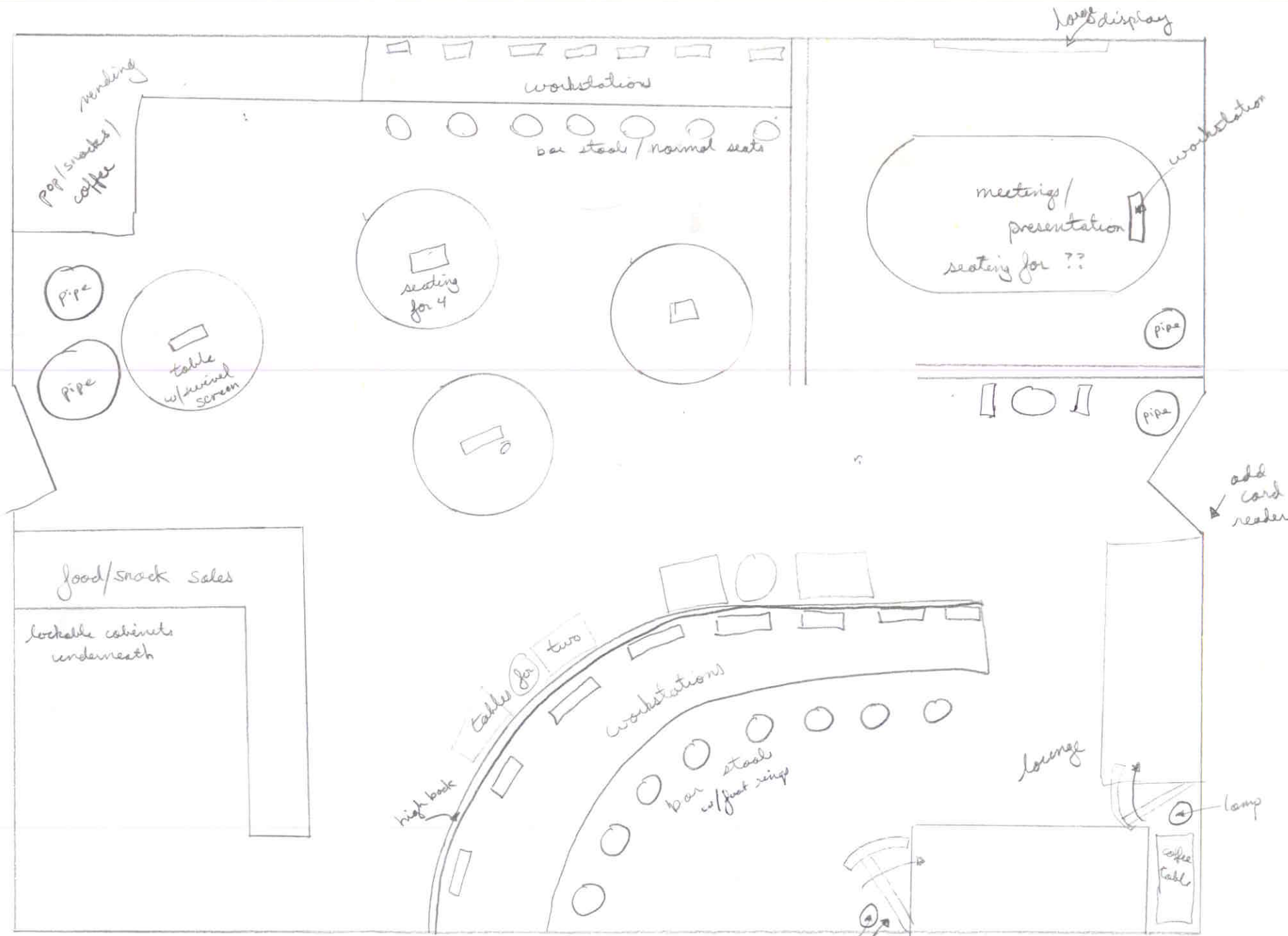
Civil Engineering	\$31,890	
Electrical & Computer Engineering	\$14,590	
Intra-departmental majors	\$3,000	
Mechanical Engineering	\$32,150	
Scholarships		\$50,000
Strategic Initiatives		\$60,000
Remote Lab Access	\$40,000	
Internet Cafe	\$20,000	

Allocated Budget:		\$490,000

Ritschard distributed the budget for the Equipment Replacement portion of the Central Services & Systems budget, illustrating how the current budget has been spent to date. The handout also provided the algorithm used to compute the budget last year, based on the computer laboratories supported by the fund and the type of equipment in each lab. The algorithm is based on a four-year replacement schedule for all lab equipment. Ritschard then showed the results of adding the AERC lab and the Internet Cafe to the supported lab list, as well as the potential increased seats in a relocated computer classroom. The annual replacement cost would be approximately \$116,000. Discussion will continue at the next meeting.

The next meeting will be Wednesday, April 10 at 8:00am.

Respectfully submitted by
Mark Ritschard



- ① Internet access bar
- ③ meeting/presentation studio
- ⑦ lounge
- ⑤ coffee/café table
- ⑥ food/snack

- ④ mending
- ② workstations
- Ⓐ card reader

lamp (swivel workstation) printer?

Internet Café

	Cost		Unit
	Each	Total	
1) Internet Access Bar			
1 bar itself	5,000	5,000	14,600
8 seating	200	1,600	
8 workstations	1,000	8,000	
2) Workstation Bench			
1 bench itself	2,000	2,000	11,600
8 seating	200	1,600	
8 workstations	1,000	8,000	
3) Conference Area			
1 table	1,000	1,000	22,000
2 partitions	5,000	10,000	
1 workstations	1,000	1,000	
1 display/projection	8,000	8,000	
10 seating	200	2,000	
4) Vending			
1 bench/table	300	300	3,300
1 actual machines	1,500	1,500	
1 plumbing	1,500	1,500	
5) café tables			
4 tables	250	1,000	10,200
16 seating	200	3,200	
4 swivel workstations	1,500	6,000	
6) Food/Snack sales area			
1 counter	3,000	3,000	4,000
1 lockable cabinets	1,000	1,000	
vendor?			
7) Lounge area			
2 couches	250	500	4,800
4 chairs	200	800	
2 lamps	100	200	
2 coffee tables	150	300	
2 retracting workstations	1,500	3,000	
Total Estimate			70,500
workstations (Central Budget)			-26,000
display/Projection (")			-8,000
Cost to Departments			36,500

Charges for Technology
College of Engineering

2001-2002 Budget

Advance Purchases		\$22,000
Assistive Technology		\$2,000
Business Expenses		\$2,000
Central Services & Systems		\$236,000
Laboratory Maintenance	\$20,000	
Network Maintenance	\$6,000	
Server Maintenance & Support*	\$40,000	
College Lab Equip. Replacement	\$110,000	
Student Wages	\$60,000	
Department Allocations		\$118,000
Atmospheric Science	\$22,000	
Chemical Engineering	\$14,370	
Civil Engineering	\$31,890	
Electrical & Computer Engineering	\$14,590	
Intra-departmental majors	\$3,000	
Mechanical Engineering	\$32,150	
Scholarships		\$50,000
Strategic Initiatives		\$60,000
Remote Lab Access	\$40,000	
Internet Café	\$20,000	
		Budget: \$490,000

*original was 30K

Charges for Technology

Central Services & Systems Equipment Replacement

2001-2002				
	computers	printers	cost	
Allison Hall	4	0	8,000	
Anderson Lab	102	3	207,600	
Design Studio	36	7	80,400	
Electronic Classroom	27	1	55,200	
ERC lab	10	1	21,200	
GIS lab	21	2	44,400	
	<hr/>			Annual Cost
	200	14	416,800	104,200
average computer	2,000			
average printer	1,200			

Budget	110,000
Broken Equipment Replacement	2,944.41
Computers	63,002.88
Computer Upgrades	7,881.80
Service & Repair	1,108.00
Monitors	17,772.00
Printers	6,062.89
Projection	8,756.83
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	107,528.81

2002-2003				
	computers	printers	cost	
AERC	5	1	10,400	
Allison Hall	4	0	7,200	
Anderson Lab	100	3	184,200	
Design Studio	36	7	74,600	
Electronic Classroom	50	1	91,400	
ERC lab	10	1	19,400	
GIS lab	21	1	39,200	
Internet Café	20	1	37,400	Annual Cost
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	246	15	463,800	115,950
average computer	1,800			
average printer	1,400			