

Meeting Minutes for Engineering Science and Technology Committee Meeting

Meeting of February 3, 2004
Engineering Conference Room

Present: Ryan Fleming (CE), Miranda Grote (intra), Tim Hinerman (ME), Doug Hopper (ME), Shawn Klawitter (ChemE), Prof. Kevin Lear (ECE), Liz Lipp (intra), Kate McDonnell (ECE), Dave Miller (ChemE), Mark Ritschard (ENS), Prof. Hiroshi Sakurai (ME) Assoc. Dean Tom Siller (Acad. Affairs)

Absent: Chris Rozoff (Atmos), Tony Zancanella (CE), Klaus Hartinger (ECE), Arun Nair (CE), Prof. Ranil Wickramasinghe (ChemE), Derek Johnson (ChemE), David Bryant (ME), Bryce Eldridge (ECE)

- Welcome and Introductions

- Previous Meetings Minutes

- Updates

Kate McDonnell announced that she will not be able to attend any other meetings this semester and introduced Heidi Shray (ECE) who will be attending the meetings in her stead.

- Engineering College Council has purchased a microwave that they would like to keep in the Internet Caf for the use of all engineering students. Hopper moved that the committee allow the microwave to be placed in the Internet Caf with the stipulation that the ECC will be responsible for maintenance. In addition to the motion, the ECC will be responsible for the installation of fasteners in order to secure the microwave. The motion carried. Ritschard agreed to choose the spot where the microwave will be placed.

- Budget

Ritschard provided two documents (attached) containing tables outlining the status of the budget YTD, department allocations, charges for technology, etc. Ritschard provided a brief overview of each item on the budget. The discussion of the budget was tabled.

- Scholarships

The previous meetings discussion was reviewed and new discussion ensued. As a reminder, it was noted that the maximum scholarship amount couldnt exceed 50% of tuition (approx. \$1450 instate, \$6700 out-of-state). The original scholarship guideline form is attached. Hinerman presented the idea that the money be broken down into 20 \$1000 scholarships based solely on merit, 20 \$1000 scholarships based on both need and merit, and 40 \$300 scholarships based solely on need. Klawitter requested that each member of the committee come to the next meeting with their thoughts on how to breakdown the \$52,000 allotment, after some discussion with their constituents.

Klawitter also mentioned that the graduate students have suggested that part of the scholarship money be used for graduate student scholarships only. Prof. Siller informed the committee that the college of engineering awards approximately 70-80 scholarships annually. Ritschard mentioned that if the committee decided to make more than one half of the scholarship money merit based, approval would be required.

- Next meeting

The next meeting will be Tuesday, February 10, at 8AM in the Engineering Conference Room.

Submitted by
Ryan Fleming

BudgetPlan2004-02-03.pdf

DeptAlloc2004-02-03.pdf

Servers2004-02-03.pdf

LabEquip2004-02-03.pdf

Charges for Technology

College of Engineering

Budget Planning for Fiscal Year 2005

	FY04	Similar FY05	<i>FY04 to-date</i>
Assistive Technology	\$2,000	\$2,000	\$0
Business Expenses	\$3,000	\$3,000	\$804
Central Services & Systems	\$294,000	\$294,000	
Computer Lab Equip. Replacement	\$135,000	\$135,000	\$149,832
Laboratory Maintenance	\$20,000	\$20,000	\$11,705
Network Maintenance	\$4,000	\$4,000	\$1,438
Server Maintenance & Support	\$70,000	\$70,000	\$19,523
Student Wages	\$65,000	\$65,000	\$36,037
Department Allocations	\$120,000	\$127,000	
Atmospheric Science	\$19,000	\$19,000	\$13,108
Chemical Engineering	\$12,800	\$19,800	\$15,250
Civil Engineering	\$32,700	\$32,700	\$26,796
Electrical & Computer Engineering	\$16,600	\$16,600	\$11,492
Intra-departmental majors	\$3,000	\$3,000	\$0
Mechanical Engineering	\$35,900	\$35,900	\$33,785
Scholarships	\$55,000	\$52,000	\$27,048
Strategic Initiatives	\$46,000	\$32,000	
Compute Power	\$5,000		\$0
EECL Computer Lab	\$10,000		\$10,000
Graduate Citrix Farm	\$5,000		\$5,000
Other	\$26,000		\$15
	Budget: \$520,000	\$510,000	\$361,832
Actual/Projected Tech Charge Revenue	\$511,632	\$510,000	

**Department Allocations
Budget Calculation for FY05**

1959 Students enrolled in the College of Engineering in AY03

	students*	%
Atmos	78	3.98%
ChemE	153	7.78%
CE	546	27.85%
ECE	496	25.29%
ME	609	31.09%
Open	79	4.01%
1959		100.00%

*average enrollment of fall and spring semesters

1803 students in ChemE, CE, ECE, and ME

	students	%
ChemE	153	8.46%
CE	546	30.26%
ECE	496	27.49%
ME	609	33.79%
1803		100.00%

1307 students in ChemE, CE, and ME

	students	%
ChemE	153	11.67%
CE	546	41.74%
ME	609	46.60%
1307		100.00%

	Lab Management	Software	Maintenance	TOTAL	Allocation
ChemE	\$11,783.86	\$2,961.17	5000	\$19,745.02	\$19,800.00
CE	\$17,112.09	\$10,592.23	5000	\$32,704.32	\$32,700.00
ECE	\$2,000.00	\$9,621.36	5000	\$16,621.36	\$16,600.00
Intra			3000	\$3,000.00	\$3,000.00
ME	\$19,104.06	\$11,825.24	5000	\$35,929.30	\$35,900.00
	50,000.00	35,000.00	23,000.00	\$108,000.00	\$108,000.00

Charges for Technology

College of Engineering

Budget Planning for Fiscal Year 2005

Budget: **Central Services & Systems**
Category: **Server Maintenance & Support**

To calculate cost-sharing, students are 88% of the college population

Server	Purpose	Student share	Cost to Replace	Student Cost
Megatera	Student U: drives	100%	135,000.00	135,000.00
Goku	e-mail	80%	20,000.00	16,000.00
Snoopy	Backup	70%	41,000.00	28,700.00
Sunray	Web server	50%	15,000.00	7,500.00
Sunray	Sunray server	100%	25,000.00	25,000.00
Akbar,etc	Citrix farm	100%	24,000.00	24,000.00
Sunray	Compute	80%	80,000.00	<u>64,000.00</u>
Total Student Replacement Cost				300,200.00
Annual Cost for four-year cycle				75,050.00

Charges for Technology

College of Engineering

Budget Planning for Fiscal Year 2005
inventory accurate as of fall, 2003

Actual Lab Equipment	computers		graphics workstations		thin clients		19" flat panel		21" Trinitron		19" Trinitron		B/W laser printer		Color laser printer		36" color plotter		60" color plotter		Regular Scanners		Large Format Scanners		Photo Scanners		Digital Senders		Projectors		Plasma Displays		Smart Boards		Equip. Value	Avg. life cycle	Annual 4yr Repl. Cost	
AERC	5	5	0	0	0	0	0	0	0	5	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8,250	4	2,063		
Allison Hall	1	1	0	0	4	4	0	0	0	0	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,650	4	1,511			
Anderson Lab	78	61	0	0	3	20	0	0	0	83	81	3	3	0	0	0	0	0	0	0	3	3	1	1	0	0	1	1	0	0	0	0	137,200	4	32,990			
Design Studio	0	30	42	12	1	1	0	0	42	0	1	43	2	2	1	1	1	1	1	1	3	2	1	1	2	2	0	0	6	0	1	1	6	0	173,950	4	39,795	
Technical Shop	4	4	0	0	0	0	1	1	3	0	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7,200	4	1,800			
Electronic Classroom	0	0	25	24	10	0	0	0	35	0	0	24	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	157,700	5	31,540		
ERC lab	3	3	0	0	7	7	0	0	0	0	10	10	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16,200	4	3,698			
GIS lab	21	21	0	0	0	0	0	0	21	21	0	0	1	1	1	1	1	1	0	0	2	0	0	0	0	0	0	1	1	0	0	0	0	47,600	4	11,705		
Internet Café	1	1	0	0	25	25	25	25	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	46,150	4	10,276		
Loaner pool	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	0	0	0	0	8,200	5	1,822			
	117	128	67	36	50	57	26	26	101	21	106	173	11	9	2	2	2	1	1	1	1	8	5	2	2	2	2	2	2	13	5	1	1	6	0	609,100	4.3	137,200

*figures in red indicate items that are part of ESTC computing equipment replacement plan

	Cost	life cycle
computer	1,300	4
graphics workstation	6,000	6
thin-client	900	5
19" flat panel display	600	4
21" Trinitron monitor	500	4
19" Trinitron monitor	350	4
black & white laser printer	2,500	5
color laser printer	4,500	5
36" color plotter	8,000	5
60" color plotter	14,000	5
regular scanner	250	5
large-format scanner	1,600	5
photo scanner	200	5
digital sender	1,700	4
projector	2,800	5
plasma display	13,000	5
smart board	1,600	5

(all costs included: dual server (UNIX & Win) support and all licenses)

Equipment considered in the past

slide scanner	1,200	5
60" large-format scanner	18,000	5

Proposed Lab Equipment (AERC)	computers		graphics workstations		thin clients		19" flat panel		21" Trinitron		19" Trinitron		B/W laser printer		Color laser printer		36" color plotter		60" color plotter		Regular Scanners		Large Format Scanners		Photo Scanners		Digital Senders		Projectors		Plasma Displays		Smart Boards		Equip. Value	Avg. life cycle	Annual 4yr Repl. Cost	
AERC	5	17	0	0	0	10	0	0	0	0	5	27	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50,050	4	11,838		
Allison Hall	1	1	0	0	4	4	0	0	0	0	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,650	4	1,511			
Anderson Lab	78	61	0	0	3	20	0	0	0	0	83	81	3	3	0	0	0	0	0	0	3	3	1	1	0	0	1	1	0	0	0	0	0	137,200	4	32,990		
Design Studio	0	30	42	12	1	1	0	0	42	0	0	43	2	2	1	1	1	1	1	1	3	2	1	1	2	2	0	0	6	0	1	1	6	0	173,950	4	39,795	
Technical Shop	4	4	0	0	0	0	1	1	3	0	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7,200	4	1,800		
Electronic Classroom	0	0	25	24	10	0	0	0	0	0	0	24	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	157,700	5	31,540		
ERC lab	3	3	0	0	7	7	0	0	0	0	10	10	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16,200	4	3,698			
GIS lab	21	21	0	0	0	0	0	0	21	21	0	0	1	1	1	1	1	0	0	0	2	0	0	0	0	0	0	0	1	1	0	0	0	0	47,600	4	11,705	
Internet Café	1	1	0	0	25	25	25	25	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	46,150	4	10,276		
Loaner pool	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	0	0	0	0	0	8,200	5	1,822		
	117	140	67	36	50	67	26	26	66	21	105	195	9	11	2	3	2	1	1	1	1	8	5	2	2	2	2	2	2	13	5	1	1	6	0	650,900	4.4	146,975