

CRITERIA

This analysis was done for one sample lecture hall in Charles P. Adams Hall. This analysis provides the cost for providing LIGHTING and HEATING/COOLING (HVAC) for one classroom, one hour per day, 3 days per week for 16 weeks (which equals 48 hours per semester).

12-Month Average Cost for GSU

0.0763 kWh per month

Lighting Cost Per Course (Charles P. Adams)

Room No	Sq. Footage	Number of Lights	Type of Bulbs	Total Watts Used	Runtime	Cost Per Day	Cost Per Week	Cost Per Semester	Cost Per Year
200	2340	140	32W Fluorescent	4480	1hr/day	\$ 0.40	\$ 1.20	\$ 19.20	\$ 147.17

TOTAL LIGHTING COSTS PER COURSE (48 HOURS) \$ 19.20

12-Month Average Cost for GSU

0.0763 kWh per month

HVAC Cost Per Course (Charles P. Adams)

Room No	Sq. Footage	Runtime	Cost Per Week	Cost Per Semester	Cost Per Year
200	2340	1hr/day	\$ 10.77	\$ 172.31	\$ 560.00

TOTAL HVAC COSTS PER COURSE (48 HOURS) \$ 172.31

SUMMARY

TOTAL LIGHTING COSTS PER COURSE	\$ 19.20
TOTAL HVAC COSTS PER COURSE	\$ 172.31
TOTAL ENERGY COST PER COURSE (assuming 3 hrs per week for 16 weeks)	\$ 191.51
TOTAL ESTIMATED COST FOR 60 COURSES PER SEMESTER	\$ 11,490.46