

## Approved Service Center Rates

**Aerospace and Ocean Engineering (0101)**

### Stability Wind Tunnel

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: William Devenport**

**Cost Accountant: Cara Ciaramella**

		Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
						Internal	External	Market
Occupancy	Assisted	230079	Hour	1/1/2019	na	344.000	554.000	0.000
	Unassisted	230079	Hour	1/1/2019	na	221.000	0.000	0.000

## Approved Service Center Rates

### Animal Care (0327)

### Research Vivaria - Central

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager:**

**Cost Accountant: Cara Ciaramella**

		Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
						Internal	External	Market
Guinea Pigs	ABSL1, Conventional	230369	Animal/day	7/1/2018	na	3.320	5.350	0.000
	ABSL2	230369	Animal/day	7/1/2018	na	3.400	5.470	0.000
Mice	ABSL1, Conventional	230369	Cage/day	7/1/2018	na	0.870	1.400	0.000
	ABSL2	230369	Cage/day	7/1/2018	na	0.990	1.600	0.000
Rats (BL1)	BL1	230369	Cage/day	7/1/2018	na	2.420	3.900	0.000
Technical Activities	Basic	230369	Hour	7/1/2018	na	26.060	41.960	0.000

## Approved Service Center Rates

**Argicultural Research and Extension (0025)**

### Eastern Shore AREC Vehicle

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Mark Reiter**

**Cost Accountant: Davic Hungate**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
Vehicles	230570	Mile	9/1/2018	-	0.350		

## Approved Service Center Rates

**BI - Operations (0358)**

### **Biocomplexity Inst. Core Computational Facility**

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Kevin Shinpaugh**

**Cost Accountant: Cara Ciaramella**

		Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
						Internal	External	Market
Backup Service	Backup Service	230231	GB/month	9/1/2018	na	0.040	0.060	0.000
Data Specialist	Data Specialist	230231	Hour	9/1/2018	na	79.000	127.000	0.000
Data Storage	Enterprise Disk Storage	230231	GB/month	9/1/2018	na	0.090	0.140	0.000
GPFS Provisioning	GPFS Provisioning	230231	TB/month	9/1/2018	na	4.000	7.000	0.000
Hosting	Database Hosting Service	230231	DB Inst/month	9/1/2018	na	272.000	438.000	0.000
	Dedicated Server Hosting Medium	230231	Server/month	9/1/2018	na	427.000	687.000	0.000
	Dedicated Server Hosting Standard	230231	Server/month	9/1/2018	na	216.000	348.000	0.000
	Server Hosting	230231	Server/month	9/1/2018	na	176.000	283.000	0.000
	Shared Server Hosting	230231	Server/month	9/1/2018	na	40.000	64.000	0.000
HPC Compute Extreme Memory Node	HPC Compute Extreme Memory Node	230231	Core/hour	9/1/2018	na	0.146	0.235	0.000
HPC Compute GPU Node	HPC Compute GPU Node	230231	Node/hour	9/1/2018	na	0.030	0.048	0.000
HPC Compute Large Memory Node	HPC Compute Large Memory Node	230231	Node/hour	9/1/2018	na	0.083	0.134	0.000
HPC Compute Standard Node	HPC Compute Standard Node	230231	Node/hour	9/1/2018	na	0.016	0.026	0.000
Storage Hosting	Storage Hosting	230231	Month	9/1/2018	na	30.000	48.000	0.000

*Approved Rates as of 3/15/2019 2:49:33 PM*

*Rates are subject to change without notice. Consult service center prior to usage to verify current rate.*

## Approved Service Center Rates

**BI - Operations (0358)**

### **Biocomplexity Inst. Genomics Sequencing Center**

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Saikumar Karyala**

**Cost Accountant: Cara Ciaramella**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)			
					Internal	External	Market	
ILLUMINA	16S Amplicon Prep Library Prep	230267	Sample	3/1/2019	na	19.000	31.000	0.000
	Bisulphite Conversion	230267	Sample	3/1/2019	na	69.000	107.000	0.000
	Covaris Fragmentation	230267	Sample	3/1/2019	na	21.000	34.000	0.000
	DNA High Throughput Library Prep (>= 96 Samples)	230267	Sample	3/1/2019	na	159.000	247.000	0.000
	DNA Seq Library Prep	230267	Sample	3/1/2019	na	159.000	247.000	0.000
	Exome Capture Library Prep	230267	Sample	3/1/2019	na	175.000	282.000	0.000
	Methyl-Seq Library Prep	230267	Sample	3/1/2019	na	265.000	376.000	0.000
	MiSeq Micro v2 300 Cycle Per Run	230267	Run	3/1/2019	na	850.000	1,093.000	0.000
	MiSeq Nano v2 300 Cycle Per Run	230267	Run	3/1/2019	na	660.000	873.000	0.000
	MiSeq Nano v2 500 Cycle Per Run	230267	Run	3/1/2019	na	740.000	968.000	0.000
	MiSeq v2 300 Cycle Cluster Gen. and Seq. Per Lane	230267	Run	3/1/2019	na	1,525.000	1,820.000	0.000
	MiSeq v2 50 Cycle Cluster Gen. and Seq. Per Run	230267	Run	3/1/2019	na	1,050.000	1,193.000	0.000
	MiSeq v2 500 Cycle Cluster Gen. and Seq. Per Lane	230267	Run	3/1/2019	na	1,600.000	1,867.000	0.000
	MiSeq v3 150 Cycle Cluster Gen. and Seq. Per Run	230267	Run	3/1/2019	na	1,350.000	1,624.000	0.000
	MiSeq v3 600 Cycle Cluster Gen. and Seq. Per lane	230267	Run	3/1/2019	na	2,000.000	2,274.000	0.000
	mRNA Stranded Seq Library Prep	230267	Sample	3/1/2019	na	170.000	246.000	0.000

*Approved Rates as of 3/15/2019 2:49:33 PM*

*Rates are subject to change without notice. Consult service center prior to usage to verify current rate.*

## Approved Service Center Rates

**BI - Operations (0358)**

### **Biocomplexity Inst. Genomics Sequencing Center**

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Saikumar Karyala**

**Cost Accountant: Cara Ciaramella**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
Illumina mRNA Stranded Seq Library Prep - high volume rate (Groups of 96 Samples)	230267	Sample	3/1/2019	na	92.000	120.000	0.000
Next Seq HO 150 Cycles	230267	Run	3/1/2019	na	3,165.000	3,265.000	0.000
Next Seq HO 300 Cycles	230267	Run	3/1/2019	na	4,845.000	4,965.000	0.000
Next Seq HO 75 Cycles	230267	Run	3/1/2019	na	1,825.000	1,904.000	0.000
Next Seq MO 150 Cycles	230267	Run	3/1/2019	na	1,350.000	1,376.000	0.000
Next Seq MO 300 Cycles	230267	Run	3/1/2019	na	2,110.000	2,212.000	0.000
Nextera DNA Library Prep	230267	Sample	3/1/2019	na	146.000	183.000	0.000
Nextera XT DNA Library Prep	230267	Sample	3/1/2019	na	103.000	146.000	0.000
Nova Seq S1 100 Cycle 100SR or 50PE	230267	Run	3/1/2019	na	7,415.000	8,349.000	0.000
Nova Seq S1 200 Cycle 100PE	230267	Run	3/1/2019	na	9,415.000	10,303.000	0.000
Nova Seq S1 300 Cycle 150PE	230267	Run	3/1/2019	na	10,500.000	11,327.000	0.000
Nova Seq S2 100 Cycle 50PE	230267	Run	3/1/2019	na	12,350.000	13,347.000	0.000
Nova Seq S2 200 Cycle 100PE	230267	Run	3/1/2019	na	16,175.000	17,157.000	0.000
Nova Seq S2 300 Cycle 150PE	230267	Run	3/1/2019	na	18,500.000	19,557.000	0.000
Nova Seq S2 Lane Split	230267	Run	3/1/2019	na	1,050.000	1,064.000	0.000
Nova Seq S4 200 Cycle 100PE	230267	Run	3/1/2019	na	29,807.000	31,743.000	0.000
Nova Seq S4 300 Cycle 150PE	230267	Run	3/1/2019	na	34,000.000	36,035.000	0.000
Nova Seq S4 Lane Split	230267	Run	3/1/2019	na	1,250.000	1,265.000	0.000
QPCR of Investigator Libraries	230267	Sample	3/1/2019	na	15.000	22.000	0.000
Small RNA Profiling Library Prep	230267	Sample	3/1/2019	na	225.000	304.000	0.000

*Approved Rates as of 3/15/2019 2:49:33 PM*

*Rates are subject to change without notice. Consult service center prior to usage to verify current rate.*

## Approved Service Center Rates

**BI - Operations (0358)**

### **Biocomplexity Inst. Genomics Sequencing Center**

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Saikumar Karyala**

**Cost Accountant: Cara Ciaramella**

		Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
						Internal	External	Market
ILLUMINA	Small RNA Profiling Library Prep - high volume rate (Groups of 96 Samples)	230267	Sample	3/1/2019	na	136.000	161.000	0.000
	Specialized Services	230267	Hour	3/1/2019	na	146.000	235.000	0.000
	Total Stranded RNA Library Prep	230267	Sample	3/1/2019	na	235.000	317.000	0.000
	Total Stranded RNA Library Prep - high volume (Groups of 96 Samples)	230267	Sample	3/1/2019	na	155.000	188.000	0.000
	Ultra Low Input mRNA Seq Library Prep Single Cell (non-stranded)	230267	Sample	3/1/2019	na	245.000	324.000	0.000
SANGER	Agilent RNA/DNA-QC	230267	Sample	3/1/2019	na	10.000	15.540	0.000
	Full Reactions	230267	Sample	3/1/2019	na	4.990	7.140	0.000
	Quibit	230267	Sample	3/1/2019	na	4.500	6.900	0.000

*Approved Rates as of 3/15/2019 2:49:33 PM*

*Rates are subject to change without notice. Consult service center prior to usage to verify current rate.*

*Page 7 of 92*

## Approved Service Center Rates

**Biochemistry (0005)**

### Biochemistry Service Center

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Eugene M. Gregory**

**Cost Accountant: Dana Danis**

		Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
						Internal	External	Market
Repairs	Electronic Repair	230245	Hour	9/1/2018	na	72.000	0.000	0.000
	Labor Repair	230245	Hour	9/1/2018	na	72.000	0.000	0.000
	Mechanical Repair	230245	Hour	9/1/2018	na	72.000	0.000	0.000
Supplies	Dry Ice per pound	230245	Pound	9/1/2018	na	4.500	0.000	0.000
	Liquid Nitrogen per Liter	230245	Liter	9/1/2018	na	4.500	0.000	0.000



## Approved Service Center Rates

**Biological Sciences (0040)**

### **Biology/Biocomplexity Inst. Plant Research Facility**

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Erik Nilsen**

**Cost Accountant: Dana Danis**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
Bench Usage	230600	Hourly	4/1/2018	na	3.860	6.210	0.000

## Approved Service Center Rates

**Biological Systems Engineering (0002)**

### Biological Engineering Vehicles

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Dumitru Branisteanu**

**Cost Accountant: David Hungate**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
41-513S, 2000 Chevy pickup 4X4	230058	Mile	3/1/2019	na	0.200	0.000	0.000
50-175S, 2005 Chevy Crewcab 4X4	230058	Mile	3/1/2019	na	0.200	0.000	0.000
55-273S, 2008 Ford F150	230058	Mile	3/1/2019	na	0.150	0.000	0.000
58-873S, 2010 Ford Explorer 4X4	230058	Mile	3/1/2019	na	0.150	0.000	0.000

## Approved Service Center Rates

**Biological Systems Engineering (0002)**

### Easton Vehicle Service Center

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Zach Easton**

**Cost Accountant: David Hungate**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
69-975S, 2016 Ford F150	230005	Mile	3/1/2019	na	0.440	0.000	0.000

## Approved Service Center Rates

### Biological Systems Engineering (0002)

### Water Quality Lab

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager:** Kelly Peeler

**Cost Accountant:** Dana Danis

		Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
						Internal	External	Market
WQL01A, Total Nitrogen	Assisted	230002	Sample	2/21/2019	na	4.090	6.580	0.000
WQL01U, Total Nitrogen	Unassisted	230002	Sample	2/21/2019	na	3.160	0.000	0.000
WQL02A, Conductivity/TDS	Assisted	230002	Sample	2/21/2019	na	2.670	4.300	0.000
WQL02U, Conductivity/TDS	Unassisted	230002	Sample	2/21/2019	na	0.460	0.000	0.000
WQL13A, Ion Analysis of Water (per Element)	Assisted	230002	Element per Sample	2/21/2019	na	3.190	5.140	0.000
WQL13U, Ion Analysis of Water (per Element)	Unassisted	230002	Element per Sample	2/21/2019	na	1.340	0.000	0.000
WQL14A, Ammonia	Assisted	230002	Sample	2/21/2019	na	3.450	5.550	0.000
WQL14U, Ammonia	Unassisted	230002	Sample	2/21/2019	na	3.080	0.000	0.000
WQL16A, Orthophosphate	Assisted	230002	Sample	2/21/2019	na	2.950	4.750	0.000
WQL16U, Orthophosphate	Unassisted	230002	Sample	2/21/2019	na	2.570	0.000	0.000
WQL17A, pH	Assisted	230002	Sample	2/21/2019	na	2.870	4.620	0.000
WQL17U, pH	Unassisted	230002	Sample	2/21/2019	na	0.650	0.000	0.000
WQL21A, Total Phosphorus	Assisted	230002	Sample	2/21/2019	na	3.420	5.510	0.000
WQL21U, Total Phosphorus	Unassisted	230002	Sample	2/21/2019	na	3.000	0.000	0.000
WQL22A, Total Suspended Solids	Assisted	230002	Sample	2/21/2019	na	4.150	6.680	0.000
WQL22U, Total Suspended Solids	Unassisted	230002	Sample	2/21/2019	na	3.660	0.000	0.000
WQL28A, Bacterial Quantification Total Coloiform and E.coli	Assisted	230002	Sample	2/21/2019	na	7.760	12.490	0.000
WQL28U, Bacterial Quantification Total Coloiform and E.coli	Unassisted	230002	Sample	2/21/2019	na	6.190	0.000	0.000
WQL31A, Nitrate (Seal)	Assisted	230002	Sample	2/21/2019	na	3.840	6.180	0.000
WQL31U, Nitrate (Seal)	Unassisted	230002	Sample	2/21/2019	na	2.990	0.000	0.000

*Approved Rates as of 3/15/2019 2:49:33 PM*

*Rates are subject to change without notice. Consult service center prior to usage to verify current rate.*

## Approved Service Center Rates

### Biological Systems Engineering (0002)

### Water Quality Lab

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager:** Kelly Peeler

**Cost Accountant:** Dana Danis

		Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
						Internal	External	Market
WQL32A, Carbon Isotope	Assisted	230002	Sample	2/21/2019	na	2.910	4.690	0.000
WQL32U, Carbon Isotope	Unassisted	230002	Sample	2/21/2019	na	2.730	0.000	0.000
WQL33A, Elemental Analysis	Assisted	230002	Sample	2/21/2019	na	4.790	7.710	0.000
WQL33U, Elemental Analysis	Unassisted	230002	Sample	2/21/2019	na	4.710	0.000	0.000
WQL34A, Carbon Analysis (organic and inorganic)	Assisted	230002	Sample	2/21/2019	na	3.450	5.550	0.000
WQL34U, Carbon Analysis (organic and inorganic)	Unassisted	230002	Sample	2/21/2019	na	3.310	0.000	0.000
WQL36A, Metals Prep	Assisted	230002	Sample	2/21/2019	na	3.910	6.300	0.000
WQL36U, Metals Prep	Unassisted	230002	Sample	2/21/2019	na	0.840	0.000	0.000
WQL37A, Alkalinity	Assisted	230002	Sample	2/21/2019	na	3.550	5.720	0.000
WQL37U, Alkalinity	Unassisted	230002	Sample	2/21/2019	na	2.140	0.000	0.000

## Approved Service Center Rates

**Biomedical Engineering & Mechanics (0112)**

### BEAM Machine Shop

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Dave Simmons**

**Cost Accountant: Dana Danis**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
Machine Shop Use	230138	Hour	4/1/2019	na	69.000	111.000	0.000

## Approved Service Center Rates

**CALS Administration (0340)**

**CALS - Admin Vehicle**

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Steve Kleiber**

**Cost Accountant: David Hungate**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
61-714S, 2012 Ford Escape hybrid	230340	Mile	8/1/2018	na	0.240	0.000	0.000
71-678S, 2018 Ford Explorer	230340	Mile	8/1/2018	na	0.240	0.000	0.000

## Approved Service Center Rates

**Central District Coop. Extension (0212)**

### VCE-Central Dist Vehicles

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Dan Goerlich**

**Cost Accountant: David Hungate**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
48465S - GMC Van, 12 Passenger	230128	Mile	11/1/2018	na	0.290	0.000	0.000
48466S - GMC Van, 12 Passenger	230128	Mile	11/1/2018	na	0.290	0.000	0.000
48470S - GMC Van, 12 Passenger	230128	Mile	11/1/2018	na	0.290	0.000	0.000
48534S - GMC Van, 12 Passenger	230128	Mile	11/1/2018	na	0.290	0.000	0.000
55239S - GMC Van, 12 Passenger	230128	Mile	11/1/2018	na	0.290	0.000	0.000
57597S - Caravan	230128	Mile	11/1/2018	na	0.210	0.000	0.000
58807S-Cobalt	230128	Mile	11/1/2018	na	0.230	0.000	0.000
60203S - GMC Van, 12 Passenger	230128	Mile	11/1/2018	-			
61701S - Impala	230128	Mile	11/1/2018	na	0.190	0.000	0.000
65622S - Ford	230128	Mile	11/1/2018	na	0.220	0.000	0.000
68268S - Ford	230128	Mile	11/1/2018	na	0.290	0.000	0.000
69981S - Caravan	230128	Mile	11/1/2018	na	0.200	0.000	0.000
71582S - Impala	230128	Mile	11/1/2018	na	0.330	0.000	0.000



## Approved Service Center Rates

**Chemistry (0042)**

### Chemistry - Glass Shop

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Thomas Wertalik**

**Cost Accountant: Dana Danis**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
411-010-025, 25ML BEAKER	230239	Each	4/1/2019	na	2.290	3.690	0.000
411-010-050, 50ML BEAKER	230239	Each	4/1/2019	na	2.040	3.280	0.000
411-204-250, 250ML FLASK BLANK	230239	Each	4/1/2019	na	6.900	11.110	0.000
411-204-500, 500ML FLASK BLANK	230239	Each	4/1/2019	na	7.900	12.720	0.000
411-204-940, 1000ML FLASK BLANK	230239	Each	4/1/2019	na	11.510	18.530	0.000
411-204-950, 2000ML FLASK BLANK	230239	Each	4/1/2019	na	23.840	38.380	0.000
417-010-100, 100ML BEAKER	230239	Each	4/1/2019	na	1.840	2.960	0.000
417-010-150, 150ML BEAKER	230239	Each	4/1/2019	na	2.130	3.430	0.000
417-010-250, 250ML BEAKER	230239	Each	4/1/2019	na	2.130	3.430	0.000
417-010-400, 400ML BEAKER	230239	Each	4/1/2019	na	2.370	3.820	0.000
417-010-600, 600ML BEAKER	230239	Each	4/1/2019	na	4.200	6.760	0.000
417-010-800, 800ML BEAKER	230239	Each	4/1/2019	na	4.350	7.000	0.000
417-010-940, 1000ML BEAKER	230239	Each	4/1/2019	na	5.520	8.890	0.000
417-010-950, 2000ML BEAKER	230239	Each	4/1/2019	na	10.910	17.570	0.000
417-119-100, 100ML ERLLENMEYER	230239	Each	4/1/2019	na	2.210	3.560	0.000
417-119-250, 250ML ERLLENMEYER	230239	Each	4/1/2019	na	2.990	4.810	0.000
417-119-500, 500ML ERLLENMEYER	230239	Each	4/1/2019	na	4.040	6.500	0.000
417-119-940, 1000ML ERLLENMEYER	230239	Each	4/1/2019	na	6.100	9.820	0.000
CG-101-09, 40/50 OUTER JOINT	230239	Each	4/1/2019	na	12.600	20.290	0.000
CG-121-P-02, 18/9 POLISHED SOCKET	230239	Each	4/1/2019	na	7.450	11.990	0.000
CG-121-P-04, 28/15 POLISHED SOCKET	230239	Each	4/1/2019	na	8.580	13.810	0.000

*Approved Rates as of 3/15/2019 2:49:34 PM*

*Rates are subject to change without notice. Consult service center prior to usage to verify current rate.*

## Approved Service Center Rates

**Chemistry (0042)**

### Chemistry - Glass Shop

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Thomas Wertalik**

**Cost Accountant: Dana Danis**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
CG-121-P-06, 35/25 POLISHED SOCKET	230239	Each	4/1/2019	na	10.100	16.260	0.000
CG-122-05, 18/9 O-RING BALL JOINT	230239	Each	4/1/2019	na	7.580	12.200	0.000
CG-122-07, 28/15 O-RING BALL JOINT	230239	Each	4/1/2019	na	8.300	13.360	0.000
CG-122-09, 35/25 O-RING BALL JOINT	230239	Each	4/1/2019	na	10.380	16.710	0.000
CG-201-33, 50MM FRITTED DISC F	230239	Each	4/1/2019	na	17.500	28.180	0.000
CG-201-34, 50MM FRITTED DISC M	230239	Each	4/1/2019	na	15.850	25.520	0.000
CG-201-35, 50MM FRITTED DISC C	230239	Each	4/1/2019	na	15.850	25.520	0.000
CG-201-38, 60MM FRITTED DISC M	230239	Each	4/1/2019	na	17.450	28.090	0.000
CG-201-42, 70MM FRITTED DISC M	230239	Each	4/1/2019	na	25.500	41.060	0.000
CG-201-50, 80MM FRITTED DISC M	230239	Each	4/1/2019	na	29.780	47.950	0.000
CG-201-54, 90MM FRITTED DISC M	230239	Each	4/1/2019	na	31.630	50.920	0.000
CG-201-57, 100MM FRITTED DISC M	230239	Each	4/1/2019	na	67.700	109.000	0.000
CG-301-10, 4 RING HOSE CONNECTION	230239	Each	4/1/2019	na	26.530	42.710	0.000
CG-350-01, #7 CHEM-THREAD	230239	Each	4/1/2019	na	8.080	13.010	0.000
CG-350-02, #9 CHEM-THREAD	230239	Each	4/1/2019	na	12.400	19.960	0.000
CG-350-03, #15 CHEM-THREAD	230239	Each	4/1/2019	na	14.400	23.180	0.000
CG-350-05, #25 CHEM-THREAD	230239	Each	4/1/2019	na	22.680	36.510	0.000
CG-350-10, #4 CHEM-THREAD	230239	Each	4/1/2019	na	9.100	14.650	0.000
CG-618-03, 100ML FLASK BLANK	230239	Each	4/1/2019	na	6.580	10.590	0.000
CG-618-06, 250ML FLASK BLANK	230239	Each	4/1/2019	na	11.430	18.400	0.000

*Approved Rates as of 3/15/2019 2:49:34 PM*

*Rates are subject to change without notice. Consult service center prior to usage to verify current rate.*

## Approved Service Center Rates

**Chemistry (0042)**

### Chemistry - Glass Shop

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Thomas Wertalik**

**Cost Accountant: Dana Danis**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
CG-618-09, 500ML FLASK BLANK	230239	Each	4/1/2019	na	13.600	21.900	0.000
CG-618-10, 1000ML FLASK BLANK	230239	Each	4/1/2019	na	17.650	28.420	0.000
CG-618-11, 2000ML FLASK BLANK	230239	Each	4/1/2019	na	33.530	53.980	0.000
CG-618-12, 3000ML FLASK BLANK	230239	Each	4/1/2019	na	57.850	93.140	0.000
CG-618-13, 5000ML FLASK BLANK	230239	Each	4/1/2019	na	80.880	130.220	0.000
CG-620-03, 50ML ERLENMEYER BLANK	230239	Each	4/1/2019	na	6.430	10.350	0.000
CG-620-04, 125ML ERLENMEYER BLANK	230239	Each	4/1/2019	na	7.800	12.560	0.000
CG-620-05, 250ML ERLENMEYER BLANK	230239	Each	4/1/2019	na	6.050	9.740	0.000
CG-620-06, 500ML ERLENMEYER BLANK	230239	Each	4/1/2019	na	5.450	8.770	0.000
CG-620-07, 1000ML ERLENMEYER BLANK	230239	Each	4/1/2019	na	8.900	14.330	0.000
CG-621-02, 25ML PEAR SHAPED FLASK BLANK	230239	Each	4/1/2019	na	5.100	8.210	0.000
CG-621-03, 50ML PEAR SHAPED FLASK BLANK	230239	Each	4/1/2019	na	5.550	8.940	0.000
CG-621-04, 100ML PEAR SHAPED FLASK BLANK	230239	Each	4/1/2019	na	8.080	13.010	0.000
CG-621-05, 250ML PEAR SHAPED FLASK BLANK	230239	Each	4/1/2019	na	20.580	33.130	0.000
CG-621-06, 500ML PEAR SHAPED FLASK BLANK	230239	Each	4/1/2019	na	21.930	35.310	0.000
CG-622-01, 10ML RECOVERY FLASK BLANK	230239	Each	4/1/2019	na	3.650	5.880	0.000

*Approved Rates as of 3/15/2019 2:49:34 PM*

*Rates are subject to change without notice. Consult service center prior to usage to verify current rate.*

## Approved Service Center Rates

**Chemistry (0042)**

### Chemistry - Glass Shop

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Thomas Wertalik**

**Cost Accountant: Dana Danis**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
CG-622-02, 25ML RECOVERY FLASK BLANK	230239	Each	4/1/2019	na	5.000	8.050	0.000
CG-622-03, 50ML RECOVERY FLASK BLANK	230239	Each	4/1/2019	na	5.800	9.340	0.000
CG-622-04, 100ML RECOVERY FLASK BLANK	230239	Each	4/1/2019	na	6.700	10.790	0.000
CG-622-05, 200ML RECOVERY FLASK BLANK	230239	Each	4/1/2019	na	10.630	17.110	0.000
CG-622-06, 500ML RECOVERY FLASK BLANK	230239	Each	4/1/2019	na	12.950	20.850	0.000
CG-623-01, 250ML FILTER FLASK	230239	Each	4/1/2019	na	11.230	18.080	0.000
CG-623-02, 500ML FILTER FLASK	230239	Each	4/1/2019	na	14.530	23.390	0.000
CG-623-03, 1000ML FILTER FLASK	230239	Each	4/1/2019	na	21.680	34.900	0.000
CGB 117-03 19/22 drip jt uncut	230239	Each	4/1/2019	na	5.300	8.530	0.000
CGB-100-06, 24/40 INNER JOINT	230239	Each	4/1/2019	na	4.250	6.840	0.000
CGB-100-07, 29/42 INNER JOINT	230239	Each	4/1/2019	na	5.800	9.340	0.000
CGB-100-08, 34/45 INNER JOINT	230239	Each	4/1/2019	na	7.650	12.320	0.000
CGB-100-09, 40/50 INNER JOINT	230239	Each	4/1/2019	na	10.050	16.180	0.000
CGB-100-10, 45/50 INNER JOINT	230239	Each	4/1/2019	na	11.150	17.950	0.000
CGB-100-12, 55/50 INNER JOINT	230239	Each	4/1/2019	na	14.750	23.750	0.000
CGB-101-06, 24/40 OUTER JOINT	230239	Each	4/1/2019	na	4.200	6.760	0.000
CGB-101-07, 29/42 OUTER JOINT	230239	Each	4/1/2019	na	5.600	9.020	0.000
CGB-101-08, 34/45 OUTER JOINT	230239	Each	4/1/2019	na	8.500	13.690	0.000
CGB-101-10, 45/50 OUTER JOINT	230239	Each	4/1/2019	na	11.400	18.350	0.000
CGB-101-12, 55/50 OUTER JOINT	230239	Each	4/1/2019	na	15.050	24.230	0.000

*Approved Rates as of 3/15/2019 2:49:34 PM*

*Rates are subject to change without notice. Consult service center prior to usage to verify current rate.*

## Approved Service Center Rates

**Chemistry (0042)**

### Chemistry - Glass Shop

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Thomas Wertalik**

**Cost Accountant: Dana Danis**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
CGB-104-05, 10/18 INNER JOINT	230239	Each	4/1/2019	na	4.300	6.920	0.000
CGB-104-08, 14/20 INNER JOINT	230239	Each	4/1/2019	na	4.100	6.600	0.000
CGB-104-09, 19/22 INNER JOINT	230239	Each	4/1/2019	na	4.400	7.080	0.000
CGB-105-04, 10/18 OUTER JOINT	230239	Each	4/1/2019	na	4.250	6.840	0.000
CGB-105-06, 14/20 OUTER JOINT	230239	Each	4/1/2019	na	4.300	6.920	0.000
CGB-105-07, 19/22 OUTER JOINT	230239	Each	4/1/2019	na	4.600	7.410	0.000
CGB-117-01, 14/20 DRIP TIP UNCUT	230239	Each	4/1/2019	na	4.950	7.970	0.000
CGB-117-13, 24/40 DRIP TIP UNCUT	230239	Each	4/1/2019	na	6.900	11.110	0.000
CGB-120-06, 18/9 BALL JOINT	230239	Each	4/1/2019	na	5.600	9.020	0.000
CGB-120-08, 28/15 BALL JOINT	230239	Each	4/1/2019	na	5.650	9.100	0.000
CGB-120-09, 35/20 BALL JOINT	230239	Each	4/1/2019	na	8.750	14.090	0.000
CGB-120-10, 35/25 BALL JOINT	230239	Each	4/1/2019	na	7.200	11.590	0.000
CGB-121-06, 18/9 SOCKET JOINT	230239	Each	4/1/2019	na	5.050	8.130	0.000
CGB-121-08, 28/15 SOCKET JOINT	230239	Each	4/1/2019	na	6.300	10.140	0.000
CGB-121-09, 35/20 SOCKET JOINT	230239	Each	4/1/2019	na	7.050	11.350	0.000
CGB-121-10, 35/25 SOCKET JOINT	230239	Each	4/1/2019	na	7.050	11.350	0.000
CGB-125-01, #9 OUTER STOPPER JOINT	230239	Each	4/1/2019	na	5.250	8.450	0.000
CGB-125-02, #13 OUTER STOPPER JOINT	230239	Each	4/1/2019	na	5.400	8.690	0.000
CGB-125-03, #16 OUTER STOPPER JOINT	230239	Each	4/1/2019	na	5.650	9.100	0.000
CGB-125-04, #19 OUTER STOPPER JOINT	230239	Each	4/1/2019	na	6.450	10.380	0.000

*Approved Rates as of 3/15/2019 2:49:34 PM*

*Rates are subject to change without notice. Consult service center prior to usage to verify current rate.*

## Approved Service Center Rates

**Chemistry (0042)**

### Chemistry - Glass Shop

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Thomas Wertalik**

**Cost Accountant: Dana Danis**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
CGB-125-05, #22 OUTER STOPPER JOINT	230239	Each	4/1/2019	na	6.600	10.630	0.000
CGB-125-06, #27 OUTER STOPPER JOINT	230239	Each	4/1/2019	na	6.700	10.790	0.000
CGB-125-09, #38 OUTER STOPPER JOINT	230239	Each	4/1/2019	na	10.050	16.180	0.000
CGB-170-05, 24/40 RODAVISS INNER	230239	Each	4/1/2019	na	5.650	9.100	0.000
CGB-172-05, 24/40 RODAVISS OUTER	230239	Each	4/1/2019	na	6.800	10.950	0.000
CGB-201-01, 10MM FRITTED DISC F	230239	Each	4/1/2019	na	4.700	7.570	0.000
CGB-201-02, 10MM FRITTED DISC M	230239	Each	4/1/2019	na	4.350	7.000	0.000
CGB-201-03, 10MM FRITTED DISC C	230239	Each	4/1/2019	na	4.350	7.000	0.000
CGB-201-05, 12MM FRITTED DISC F	230239	Each	4/1/2019	na	5.000	8.050	0.000
CGB-201-06, 12MM FRITTED DISC M	230239	Each	4/1/2019	na	4.350	7.000	0.000
CGB-201-07, 12MM FRITTED DISC C	230239	Each	4/1/2019	na	4.350	7.000	0.000
CGB-201-09, 15MM FRITTED DISC F	230239	Each	4/1/2019	na	5.000	8.050	0.000
CGB-201-10, 15MM FRITTED DISC M	230239	Each	4/1/2019	na	4.800	7.730	0.000
CGB-201-11, 15MM FRITTED DISC C	230239	Each	4/1/2019	na	4.800	7.730	0.000
CGB-201-13, 20MM FRITTED DISC F	230239	Each	4/1/2019	na	6.250	10.060	0.000
CGB-201-14, 20MM FRITTED DISC M	230239	Each	4/1/2019	na	5.450	8.770	0.000
CGB-201-15, 20MM FRITTED DISC C	230239	Each	4/1/2019	na	5.450	8.770	0.000
CGB-201-17, 25MM FITTED DISC F	230239	Each	4/1/2019	na	7.300	11.750	0.000
CGB-201-18, 25MM FRITTED DISC M	230239	Each	4/1/2019	na	6.300	10.140	0.000
CGB-201-19, 25MM FRITTED DISC C	230239	Each	4/1/2019	na	5.450	8.770	0.000

*Approved Rates as of 3/15/2019 2:49:34 PM*

*Rates are subject to change without notice. Consult service center prior to usage to verify current rate.*

## Approved Service Center Rates

**Chemistry (0042)**

### Chemistry - Glass Shop

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Thomas Wertalik**

**Cost Accountant: Dana Danis**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
CGB-201-21, 30MM FRITTED DISC F	230239	Each	4/1/2019	na	8.500	13.690	0.000
CGB-201-22, 30MM FRITTED DISC M	230239	Each	4/1/2019	na	6.750	10.870	0.000
CGB-201-23, 30MM FRITTED DISC C	230239	Each	4/1/2019	na	6.750	10.870	0.000
CGB-201-25, 35MM FRITTED DISC F	230239	Each	4/1/2019	na	8.950	14.410	0.000
CGB-201-26, 35MM FRITTED DISC M	230239	Each	4/1/2019	na	8.100	13.040	0.000
CGB-201-27, 35MM FRITTED DISC C	230239	Each	4/1/2019	na	8.150	13.120	0.000
CGB-201-28, 35MM FRITTED DISC XC	230239	Each	4/1/2019	na	8.350	13.440	0.000
CGB-201-29, 40MM FRITTED DISC F	230239	Each	4/1/2019	na	10.950	17.630	0.000
CGB-201-30, 40MM FRITTED DISC M	230239	Each	4/1/2019	na	9.750	15.700	0.000
CGB-201-31, 40 MM FRITTED DISC C	230239	Each	4/1/2019	na	10.150	16.340	0.000
CGB-301-02, 4 RING HOSE CONNECTION	230239	Each	4/1/2019	na	22.350	35.980	0.000
CGB-360-01, #7 INTERNAL THREAD	230239	Each	4/1/2019	na	5.600	9.020	0.000
CGB-360-02, #11 INTERNAL THREAD	230239	Each	4/1/2019	na	6.950	11.190	0.000
CGB-400-02, 2MM GLASS STOPCOCK	230239	Each	4/1/2019	na	20.550	33.090	0.000
CGB-400-04, 4MM GLASS STOPCOCK	230239	Each	4/1/2019	na	22.950	36.950	0.000
CGB-424-03, 2MM TEFLON STOPCOCK	230239	Each	4/1/2019	na	19.950	32.120	0.000
CGB-424-05, 4MM TEFLON STOPCOCK	230239	Each	4/1/2019	na	25.200	40.570	0.000
CGB-424-07, 6MM TEFLON STOPCOCK	230239	Each	4/1/2019	na	29.950	48.220	0.000

*Approved Rates as of 3/15/2019 2:49:34 PM*

*Rates are subject to change without notice. Consult service center prior to usage to verify current rate.*

## Approved Service Center Rates

**Chemistry (0042)**

### Chemistry - Glass Shop

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Thomas Wertalik**

**Cost Accountant: Dana Danis**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)				
					Internal	External	Market		
CGB-428-01, 2MM TEFLON STOPCOCK 1 ARM LARGER	230239	Each	4/1/2019	na	20.550	33.090	0.000		
CGB-428-02, 4MM TEFLON STOPCOCK 1 ARM LARGER	230239	Each	4/1/2019	na	26.200	42.180	0.000		
CGB-428-03, 6MM TEFLON STOPCOCK 1 ARM LARGER	230239	Each	4/1/2019	na	30.500	49.110	0.000		
CGB-960-01, 0-4MM CHEMVAC VALVE	230239	Each	4/1/2019	na	24.850	40.010	0.000		
CGB-960-02, 0-8MM CHEMVAC VALVE	230239	Each	4/1/2019	na	33.550	54.020	0.000		
CGB-960-03, 0-12MM CHEMVAC VALVE	230239	Each	4/1/2019	na	37.100	59.730	0.000		
CGK-560-01, 0-4MM KONTES STYLE VALVE	230239	Each	4/1/2019	na	27.080	43.600	0.000		
Charge per hour		Glass Shop	230239	Hour	4/1/2019	na	16.000	26.000	136.000



## Approved Service Center Rates

**Chemistry (0042)**

### Chemistry - Mass Spec Lab

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Herve Marand**

**Cost Accountant: Dana Danis**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
Mass Spec Lab	230237	Hour	12/1/2018	na	37.000	59.000	150.000

## Approved Service Center Rates

**Chemistry (0042)**

### Chemistry - NMR Lab

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Herve Marand**

**Cost Accountant: Dana Danis**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
NMR Lab	230107	Hour	12/1/2018	na	7.500	12.100	115.000

## Approved Service Center Rates

### Chemistry (0042)

### Chemistry - Research Stockroom

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Tom Wertalik**

**Cost Accountant: David Hungate**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)			
					Internal	External	Market	
Dry Ice	DRY-ICE Dry Ice	230242	Pound	4/16/2018	na	2.260	0.000	0.000
Liquid Nitrogen	LIQ-NIT Liquid Nitrogen (LN2)	230242	Liter	4/16/2018	na	0.750	0.000	0.000
Solvents	DET-245 Acetone-d6 (d, 99.9%) DLM-9 10X1g	230242	1 pack	4/16/2018	na	16.700	0.000	0.000
	DET-250 Acetonitrile-d3 (d, 99.8%) DLM-21, 10X1g	230242	1 pack	4/16/2018	na	22.560	0.000	0.000
	DET-255 Benzene-d6 (d, 99.5%) DLM-1	230242	50 gm	4/16/2018	na	92.700	0.000	0.000
	DET-260 Chloroform-d (d, 99.8%) DLM-7	230242	100 gm	4/16/2018	na	11.200	0.000	0.000
	DET-265 Chloroform-d (d, 99.8%) DLM-7, - TBW/TMS	230242	100 gm	4/16/2018	na	11.200	0.000	0.000
	DET-270 Deuterium Oxide (d, 99.9%) DLM-4	230242	100 gm	6/29/2018	na	49.660	0.000	0.000
	DET-275 Dimethyl Sulfoxide-d6 (d, 99.9%) DLM-10 (	230242	50 gm	4/16/2018	na	70.200	0.000	0.000
	DET-280 Methanol-d4 (d, 99.8%) DLM-24, 10X1g	230242	1 pack	6/13/2018	na	32.700	0.000	0.000
	DET-281 Methanol d25g	230242	d25g	7/6/2018	na	81.700	0.000	0.000
	DET-285 Methylene Chloride-02 (d, 99.9%) DLM-23 1	230242	10 gm	4/16/2018	na	36.340	0.000	0.000
	DET-290 1,1,2-tetrachloroethane-d2 (d, 99.6%) DLM	230242	5 gm	4/16/2018	na	40.200	0.000	0.000
	DET-295 Tetrahydrofuran-d8 (d, 99.5%) DLM-36 0.75	230242	10 gm	4/16/2018	na	132.200	0.000	0.000
	DET-300 Trifluoroacetic Acid-d (d, 99.5%) DLM-46	230242	10 gm	4/16/2018	na	27.200	0.000	0.000

*Approved Rates as of 3/15/2019 2:49:34 PM*

*Rates are subject to change without notice. Consult service center prior to usage to verify current rate.*

*Page 27 of 92*

## Approved Service Center Rates

**Chemistry (0042)**

### Chemistry - Research Stockroom

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Tom Wertalik**

**Cost Accountant: David Hungate**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)				
					Internal	External	Market		
Solvents	SOL-100	Acetone	230242	4 Liter	2/5/2019	na	20.030	0.000	0.000
	SOL-105	Acetone, pumped	230242	Gallon	6/14/2018	na	10.350	0.000	0.000
	SOL-110	Acetonitrile	230242	4 Liter	2/25/2019	na	37.130	0.000	0.000
	SOL-115	Ammonium Hydroxide	230242	2.5 Liter	10/9/2018	na	24.690	0.000	0.000
	SOL-120	Chloroform	230242	4 Liter	2/5/2019	na	50.370	0.000	0.000
	SOL-121	Choloroform HPLC 4L	230242	4 Liters	2/6/2019	na	62.980	0.000	0.000
	SOL-125	Cyclohexane	230242	4 Liter	2/5/2019	na	54.260	0.000	0.000
	SOL-130	Methylene Chloride or Dichloromethane	230242	4 Liter	2/13/2019	na	26.820	0.000	0.000
	SOL-131	Dichloromethane 20L	230242	Each	1/16/2019	na	106.030	0.000	0.000
	SOL-135	Ethanol 100%	230242	4 Liter	4/16/2018	na	18.060	0.000	0.000
	SOL-140	Ethanol 100%	230242	20 Liter	5/23/2018	na	79.600	0.000	0.000
	SOL-145	Ethanol 95%	230242	4 Liter	8/14/2018	na	17.700	0.000	0.000
	SOL-150	Ethanol 95%	230242	20 Liter	11/13/2018	na	73.270	0.000	0.000
	SOL-155	Ethyl Acetate	230242	4 Liter	2/5/2019	na	23.700	0.000	0.000
	SOL-156	Ethyl Acetate 20L	230242	Each	1/16/2019	na	88.000	0.000	0.000
	SOL-160	Ethyl Ether, (absolute)	230242	4 Liter	1/16/2019	na	59.380	0.000	0.000
	SOL-165	Hexanes	230242	20 Liter	4/16/2018	na	55.180	0.000	0.000
	SOL-170	Hexanes	230242	4 Liter	1/14/2019	na	26.120	0.000	0.000
	SOL-175	Hydrochloric Acid	230242	2.5 Liter	2/5/2019	na	17.130	0.000	0.000
	SOL-180	Isopropanol	230242	4 Liter	2/25/2019	na	20.780	0.000	0.000
	SOL-185	Isopropanol	230242	5 Gal	7/30/2018	na	69.000	0.000	0.000
	SOL-190	Isopropanol, pumped	230242	Gallon	2/25/2019	na	13.630	0.000	0.000

*Approved Rates as of 3/15/2019 2:49:34 PM*

*Rates are subject to change without notice. Consult service center prior to usage to verify current rate.*

## Approved Service Center Rates

**Chemistry (0042)**

### Chemistry - Research Stockroom

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Tom Wertalik**

**Cost Accountant: David Hungate**

		Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
						Internal	External	Market
Solvents	SOL-195 Methanol	230242	4 Liter	2/14/2019	na	13.230	0.000	0.000
	SOL-200 Methanol, pumped	230242	Gallon	2/25/2019	na	6.640	0.000	0.000
	SOL-205 N, N Dimethylformamide, (dmf)	230242	4 Liter	2/25/2019	na	73.840	0.000	0.000
	SOL-210 Nitric Acid	230242	2.5 Liter	7/30/2018	na	21.200	0.000	0.000
	SOL-215 N-Methylpyrrolidone	230242	4 Liter	4/16/2018	na	119.560	0.000	0.000
	SOL-220 Sulfuric Acid	230242	2.5 Liter	2/25/2019	na	18.350	0.000	0.000
	SOL-225 Tetrahydrofuran ACS	230242	4 Liter	4/30/2018	na	32.280	0.000	0.000
	SOL-230 Tetrahydrofuran	230242	4 Liter	4/16/2018	na	47.120	0.000	0.000
	SOL-231 Tetrahydrofuran 4L O	230242	4 Liter	8/2/2018	na	37.590	0.000	0.000
	SOL-235 Toluene	230242	4 Liter	4/16/2018	na	20.110	0.000	0.000
	SOL-240 Water	230242	4 Liter	1/31/2019	na	24.530	0.000	0.000
	SOL-95 Acetic Acid Glacial ACS 2 1/2L	230242	Each	7/24/2018	na	22.630	0.000	0.000
Supplies	BOT-415 Bottle - plastic	230242	Each	2/6/2019	na	8.080	0.000	0.000
	BOT-416 Safety Bottle Carrier Red	230242	Each	4/16/2018	na	48.910	0.000	0.000
	BOT-417 Safety Bottle Carrier Black	230242	Each	4/16/2018	na	40.250	0.000	0.000
	GLA-375 Glass Disp Box, Floor VWR	230242	Each	2/6/2019	na	5.450	0.000	0.000
	GLA-380 Glass Disp Box, Bench VWR	230242	Each	4/16/2018	na	3.530	0.000	0.000
	GLO-330 GLV, Nitrile, Small	230242	Box	1/23/2019	na	8.920	0.000	0.000
	GLO-331 Gloves Nitrile xs	230242	Box	5/9/2018	na	9.110	0.000	0.000

*Approved Rates as of 3/15/2019 2:49:34 PM*

*Rates are subject to change without notice. Consult service center prior to usage to verify current rate.*

*Page 29 of 92*

## Approved Service Center Rates

**Chemistry (0042)**

### Chemistry - Research Stockroom

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Tom Wertalik**

**Cost Accountant: David Hungate**

		Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
						Internal	External	Market
Supplies	GLO-335 GLV, Nitrile, Medium	230242	Box	11/27/2018	na	8.880	0.000	0.000
	GLO-340 GLV, Nitrile, Large	230242	Box	11/27/2018	na	8.880	0.000	0.000
	GLO-345 GLV, Nitrile, X-large	230242	Box	2/6/2019	na	8.890	0.000	0.000
	GLO-350 Gloves Neuthera Nitirle XS	230242	Box	4/16/2018	na	12.030	0.000	0.000
	GLO-355 Gloves Neuthera Nitirle S	230242	Box	4/16/2018	na	12.020	0.000	0.000
	GLO-360 Gloves Neuthera Nitirle M	230242	Box	4/16/2018	na	12.020	0.000	0.000
	GLO-365 Gloves Neuthera Nitirle L	230242	Box	4/16/2018	na	12.100	0.000	0.000
	GLO-370 Gloves Neuthera Nitirle XL	230242	Box	10/3/2018	na	12.020	0.000	0.000
	GOG-305 Goggle, Jumbo, Fog Free Lens	230242	Each	4/16/2018	na	8.370	0.000	0.000
	GOG-310 GOGGLES-CONTEMPO	230242	Each	4/16/2018	na	6.810	0.000	0.000
	GOG-470 Safety Goggles	230242	Each	2/6/2019	na	2.810	0.000	0.000
	KIM-460 Kimwipes, small (1 pack of 280 sheets)	230242	Pack	1/23/2019	na	3.670	0.000	0.000
	KIM-465 Kimwipes, large (1 pack of 140 sheets)	230242	Pack	1/23/2019	na	10.330	0.000	0.000
	LAB-475 Notebook, Lab Regular Paper	230242	Each	9/7/2018	na	14.260	0.000	0.000
	NMR-450 NMR Tube, 5mm	230242	Each	4/16/2018	na	2.880	0.000	0.000
	NMR-455 NMR Tube, 10mm	230242	Each	4/16/2018	na	13.440	0.000	0.000
	PIP-365 Pipet, Pasteur 5-3/4 IN	230242	Box	1/23/2019	na	10.220	0.000	0.000

*Approved Rates as of 3/15/2019 2:49:34 PM*

*Rates are subject to change without notice. Consult service center prior to usage to verify current rate.*

## Approved Service Center Rates

**Chemistry (0042)**

### Chemistry - Research Stockroom

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Tom Wertalik**

**Cost Accountant: David Hungate**

		Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
						Internal	External	Market
Supplies	PIP-370 Pipet, Pasteur 9 IN	230242	Box	1/23/2019	na	12.030	0.000	0.000
	POW-385 Magnesium Sulfate Anhydr 500G	230242	Each	4/16/2018	na	13.910	0.000	0.000
	POW-390 Sand, Sea-Washed 2.5KG	230242	Each	4/16/2018	na	23.120	0.000	0.000
	POW-395 Sodium Bicarbonate, 500g	230242	Each	4/16/2018	na	20.640	0.000	0.000
	POW-400 Sodium Chloride, 500g	230242	Each	4/16/2018	na	19.710	0.000	0.000
	POW-405 Sod Hydrox, Pellets, RE 500 G CS4	230242	Each	2/6/2019	na	18.170	0.000	0.000
	POW-410 Sod Sulfate, 500g	230242	Each	10/2/2018	na	20.100	0.000	0.000
	RBF-100-24/40 Round Bottom Flasks	230242	Each	10/30/2018	na	7.280	0.000	0.000
	RBF-250-24/40 Round Bottom Flasks	230242	Each	10/30/2018	na	15.380	0.000	0.000
	RBF-50-14/20 Round Bottom Flasks	230242	Each	10/30/2018	na	7.380	0.000	0.000
	RBF-50-24/40 Round Bottom Flasks	230242	Each	10/30/2018	na	7.380	0.000	0.000
	SEP-420 24/40 Septa, pack = 100 eaches	230242	Pack	4/16/2018	na	44.070	0.000	0.000
	SEP-425 14/20 White Septa, pack = 100 eaches	230242	Pack	1/31/2019	na	28.450	0.000	0.000
	SYR-430 1 ML Disposable Syringe - 100 each	230242	Pack	2/25/2019	na	19.700	0.000	0.000
	SYR-435 3 ML Disposable Syringe - 100 each	230242	Pack	9/7/2018	na	13.970	0.000	0.000

*Approved Rates as of 3/15/2019 2:49:34 PM*

*Rates are subject to change without notice. Consult service center prior to usage to verify current rate.*

*Page 31 of 92*

## Approved Service Center Rates

**Chemistry (0042)**

### Chemistry - Research Stockroom

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Tom Wertalik**

**Cost Accountant: David Hungate**

		Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
						Internal	External	Market
Supplies	SYR-440 5 ML Disposable Syringe - 100 each	230242	Pack	10/3/2018	na	24.820	0.000	0.000
	SYR-445 10 ML Disposable Syringe - 100 each	230242	Pack	7/30/2018	na	28.730	0.000	0.000
	VIA-350 Vial 1 Dram VWR	230242	Pack	7/16/2018	na	20.940	0.000	0.000
	VIA-355 Vial 2 Dram VWR	230242	Pack	4/16/2018	na	23.650	0.000	0.000
	VIA-360 Vial 6 Dram VWR	230242	Pack	2/5/2019	na	22.330	0.000	0.000
	VIATEF-351 VIAL TEFLON CAP 1 DRAM	230242	Pack	6/20/2018	na	41.730	0.000	0.000
	VIATEF-361 VIAL TEFLON CAP 6 DRAM	230242	Pack	4/16/2018	na	63.020	0.000	0.000



## Approved Service Center Rates

**Chemistry (0042)**

### Chemistry - X-Ray Lab

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Herve Marand**

**Cost Accountant: Dana Danis**

		Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
						Internal	External	Market
X-Ray Lab	Powder Diffraction	230276	Dataset	4/1/2018	na	5.700	9.100	50.000
	Single Crystal Diffraction	230276	Dataset	4/1/2018	na	36.800	59.300	800.000

## Approved Service Center Rates

Chemistry (0042)

### Surface Analysis Center

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager:** Thomas Wertalik

**Cost Accountant:** Dana Danis

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
PHI VersaProbe III	230296	Hour	2/1/2019	na	35.000	56.000	125.000

## Approved Service Center Rates

**Civil and Environmental Engineering (0103)**

### ICPMS Metals Analysis Lab

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Joe Belcher**

**Cost Accountant: Dana Danis**

		Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
						Internal	External	Market
Metals Analysis	Assisted	230007	Sample	4/1/2018	na	6.000	9.700	0.000
	Technician	230007	Hour	4/1/2018	na	45.900	73.900	0.000
	Unassisted	230007	Sample	4/1/2018	na	2.300	0.000	0.000
Metals Analysis Kit	2 Tests	230007	ea	4/1/2018	na	16.300	26.200	0.000
	3 Tests	230007	ea	4/1/2018	na	17.300	27.900	0.000
	4 Tests	230007	ea	4/1/2018	na	18.300	29.500	0.000
Pipe		230007	ea	5/23/2018	na	51.000	82.000	125.000
Pipe w/testing		230007	ea	5/23/2018	na	119.000	192.000	250.000

## Approved Service Center Rates

**College of Natural Resources (0010)**

### Latham Growth Chambers

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Thomas Olson**

**Cost Accountant: Dana Danis**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
F&W Chambers	231339	Week	12/1/2018	na	213.000	0.000	0.000
Forestry Chambers	231339	Week	12/1/2018	na	281.000	0.000	0.000

## Approved Service Center Rates

**College of Veterinary Medicine (0033)**

### **Parasitology Lab Service Center**

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Anne Zajac**

**Cost Accountant: Cara Ciaramella**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
Parasitology	230061	Per Test	9/1/2018	na	4.000	6.500	0.000

## Approved Service Center Rates

**Conservation Management Institute (0369)**

### Conservation Management Institute

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Scott Klopfer**

**Cost Accountant: David Hungate**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
49-017S, 2004 Chevy Silverado	230252	Mile	4/1/2019	na	0.250	0.000	0.000
55-226S, 2007 Chevy Colorado	230252	Mile	4/1/2019	na	0.210	0.000	0.000
66-916S, 2014 Ford Pickup Crew 4x4	230252	Mile	4/1/2019	na	0.460	0.000	0.000

## Approved Service Center Rates

**Conversation Management Institute (0369)**

### **CNRE UAS**

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Scott Klopfer**

**Cost Accountant: Cara Ciaramella**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
eBee	230077	Minute	11/1/2017	na	3.200	5.150	0.000
Solo	230077	Minute	11/1/2017	na	1.500	2.390	0.000

## Approved Service Center Rates

**Coop Extension Field Serv Support (0210)**

### Extension Distribution Center Printing

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Julia Gregory**

**Cost Accountant: Dana Danis**

		Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
						Internal	External	Market
Poster Printing	24" Photo Paper	230032	Running Foot	3/1/2018	na	3.920	0.000	0.000
	24" Plain Paper	230032	Running Foot	3/1/2018	na	2.980	0.000	0.000
	36" Photo Paper	230032	Running Foot	3/1/2018	na	4.250	0.000	0.000
	36" Plain Paper	230032	Running Foot	3/1/2018	na	3.120	0.000	0.000
	42" Plain Paper	230032	Running Foot	3/1/2018	na	3.180	0.000	0.000



## Approved Service Center Rates

**Crop & Soil Environmental Science (0003)**

### **Crop & Soil Vehicles-230028**

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Liz Hokanson**

**Cost Accountant: David Hungate**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
43267S, 2012 Ford F550	230028	Mile	7/1/2018	na	1.120	0.000	0.000
65575S, 2014 Ford F350 Crew 4X4	230028	Mile	7/1/2018	na	0.750	0.000	0.000

## Approved Service Center Rates

**Crop & Soil Environmental Science (0003)**

### **Crop & Soil Vehicles-230097**

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Greg Evanylo**

**Cost Accountant: David Hungate**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
66-912S, Ford F-150 Extend Cab	230097	Mile	7/1/2018	na	0.410	0.000	0.000

## Approved Service Center Rates

**Crop & Soil Environmental Science (0003)**

### Crop & Soil Vehicles-230126

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Steve Nagle**

**Cost Accountant: David Hungate**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
65-586S, 2010 Chevy Colorado 4WD	230126	Mile	3/1/2019	na	0.270	0.000	0.000

## Approved Service Center Rates

**Crop & Soil Environmental Science (0003)**

### Crop & Soil Vehicles-230153

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Steve Nagle**

**Cost Accountant: David Hungate**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
57-578S, Ford F250	230153	Mile	4/1/2019	na	0.190	0.000	0.000

## Approved Service Center Rates

**Crop & Soil Environmental Science (0003)**

### **Crop & Soil Vehicles-230206**

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Mike Brosius**

**Cost Accountant: David Hungate**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
55-267S, 2008 Ford F250	230206	Mile	4/1/2019	na	0.080	0.000	0.000

## Approved Service Center Rates

**Crop & Soil Environmental Science (0003)**

### **Crop & Soil Vehicles-230275**

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Mike Brosius**

**Cost Accountant: David Hungate**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
71-511S, 2017 Ford F250	230275	Mile	1/1/2018	na	0.540	0.000	0.000

## Approved Service Center Rates

**Crop & Soil Environmental Science (0003)**

### CSES Growth Chambers

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Lucas Waller**

**Cost Accountant: Dana Danis**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)			
					Internal	External	Market	
Growth Chamber	n/a	230124	day	7/1/2018	na	8.000	0.000	0.000

## Approved Service Center Rates

**Crop & Soil Environmental Science (0003)**

### Environmental Organic Chemical Analysis

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Kang Xia**

**Cost Accountant: Dana Danis**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
GC/MS/MS	230120	per sample	12/1/2018	na	9.300	0.000	0.000
HPLC	230120	per sample	12/1/2018	na	8.600	0.000	0.000
LC/MS/MS	230120	per sample	12/1/2018	na	21.800	0.000	0.000



## Approved Service Center Rates

**Crop & Soil Environmental Science (0003)**

### QuickChem 8000 Automated Ion Analyzer

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Mike Brosius**

**Cost Accountant: Dana Danis**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
Automated Ion Analyzer	230183	Each	4/1/2018	na	1.300	0.000	0.000

## Approved Service Center Rates

**Crop & Soil Environmental Science (0003)**

### **Shimadzu GG GC-2014**

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Steve Nagle**

**Cost Accountant: Cara Ciaramella**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
Sample Analysis	230286	Sample	1/1/2018	na	6.770	10.900	0.000

## Approved Service Center Rates

**Crop & Soil Environmental Science (0003)**

### Soil ICP Lab

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Steve Heckendorn**

**Cost Accountant: Dana Danis**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
Soil	230004	Element	12/1/2018	na	0.120	0.200	0.000
Solution	230004	Element	12/1/2018	40.00 - na	1.280	2.070	0.000

## Approved Service Center Rates

**Crop & Soil Environmental Science (0003)**

### SPES ICPMS

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Zenah Orndorff**

**Cost Accountant: Dana Danis**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
Analysis	230038	Sample	7/1/2017	na	6.600	10.600	0.000
Expedited Service Base Cost	230038	Base	7/1/2017	na	303.100	488.000	0.000
Expedited Service Per Sample	230038	Sample	7/1/2017	na	2.850	4.550	0.000

## Approved Service Center Rates

**Crop & Soil Environmental Science (0003)**

### VarioMax CNS

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager:** Steve Nagle

**Cost Accountant:** Cara Ciaramella

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
Sample Analysis	230273	Sample	11/1/2017	na	2.600	4.190	0.000

## Approved Service Center Rates

**Dean - Engineering (0345)**

### CPES Electrical Lab

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Pkg-W. Zhang Res-D. Gilham**

**Cost Accountant: Dana Danis**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
Research Lab Use	230300	Hour	12/1/2018	na	8.750	14.820	0.000

## Approved Service Center Rates

**Dean - Engineering (0345)**

### **CPES Packaging Lab**

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Pkg-W. Zhang Res-D. Gilham**

**Cost Accountant: Dana Danis**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
Packaging Lab Use	230288	Hour	12/1/2018	na	11.750	18.750	0.000

## Approved Service Center Rates

**Department of Dairy Science (0315)**

### Dairy Feeding Trials

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Benjamin Corl**

**Cost Accountant: Dana Danis**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
Dairy	230305	Gate Days	11/1/2018	-	1.500		



## Approved Service Center Rates

### Electrical and Computer Engineering (0104)

### Micron Clean Room

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Louis Guido**

**Cost Accountant: Cara Ciaramella**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
MCR04, PTL Mask Aligner & Photolith Bench	230536	Hour	11/1/2017	na	35.000	56.000	0.000
MCR05, TFD Lesker E-Beam Evaporation	230536	Hour	11/1/2017	na	28.000	45.000	0.000
MCR06, TFD Thermionics E-Beam	230536	Hour	11/1/2017	na	30.000	48.000	0.000
MCR07, TFD Plasma-Enhanced Chemical Vapor Deposition	230536	Hour	11/1/2017	na	90.000	145.000	0.000
MCR08, TFD Atomic Layer Deposition	230536	Hour	11/1/2017	na	18.000	29.000	0.000
MCR09, PESC Deep Reactive Ion Etching	230536	Hour	11/1/2017	na	175.000	282.000	0.000
MCR10, PESC High-Density Reactive Ion Etching	230536	Hour	11/1/2017	na	75.000	121.000	0.000
MCR11, PESC Low-Density Reactive Ion Etching	230536	Hour	11/1/2017	na	40.000	65.000	0.000
MCR12, TP Silicon Oxidation & Diffusion	230536	Hour	11/1/2017	na	70.000	113.000	0.000
MCR13, TP Rapid Thermal Annealing	230536	Hour	11/1/2017	na	83.000	134.000	0.000
MCR14, TP Metal Contact Annealing	230536	Hour	11/1/2017	na	48.000	77.000	0.000
MCR15, MIDP Wafer Bonding	230536	Hour	11/1/2017	na	63.000	102.000	0.000
MCR16, MIDP Wafer Dicing & Device Singulation	230536	Hour	11/1/2017	na	40.000	65.000	0.000
MCR17, Woollam Spectroscopic Ellipsometer	230536	Hour	11/1/2017	na	20.000	32.000	0.000
MCR18, Crosslight Softward Pkg	230536	Hour	11/1/2017	na	20.000	32.000	0.000
MCR19, Bruker Atomic Force Microscope	230536	Hour	11/1/2017	na	20.000	32.000	0.000
MCR20, Shimadzu Spectrophotometer	230536	Hour	11/1/2017	na	10.000	16.000	0.000

*Approved Rates as of 3/15/2019 2:49:34 PM*

*Rates are subject to change without notice. Consult service center prior to usage to verify current rate.*

## Approved Service Center Rates

### Electrical and ComputerEngineering (0104)

### Micron Clean Room

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Louis Guido**

**Cost Accountant: Cara Ciaramella**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
MCR21, Accent Electrochemical CV Profiler	230536	Hour	11/1/2017	na	10.000	16.000	0.000
MCR22, METROL Semiconductor Device Testing	230536	Hour	11/1/2017	na	30.000	49.000	0.000
MCR23, TFD KJL Reactor	230536	Hour	11/1/2017	na	75.000	121.000	0.000
MCR24, TFD KJL DC/RF Sputter	230536	Hour	11/1/2017	na	51.000	82.000	0.000
MCR25, KS Wire Bonder	230536	Hour	11/1/2017	na	60.000	97.000	0.000
MCR26, HRXRD Instrument	230536	Hour	11/1/2017	na	1.000	2.000	0.000
MCR27, Thermal Vacuum	230536	Hour	11/1/2017	na	15.000	24.000	0.000
MCR617, Lab Access, W617	230536	Hour	11/1/2017	na	1.000	2.000	0.000
MCR633, Lab Access, W633	230536	Hour	11/1/2017	na	13.000	21.000	0.000
MCR636, Lab Access, W636	230536	Hour	11/1/2017	na	13.000	21.000	0.000
MCRFM, Technician #1	230536	Hour	11/1/2017	na	31.000	50.000	0.000
MCRFM, Technician #2	230536	Hour	11/1/2017	na	38.000	61.000	0.000
MCRFM, Technician #3	230536	Hour	11/1/2017	na	12.000	19.000	0.000
MCRLD, Lab Director	230536	Hour	11/1/2017	na	68.000	109.000	0.000
MCRLM, Facility Manager	230536	Hour	11/1/2017	na	54.000	87.000	0.000

## Approved Service Center Rates

**Entomology (0007)**

### Entomology Vehicles

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Scott Salom**

**Cost Accountant: David Hungate**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
50-112S, 2005 Ford F150	230254	Mile	12/1/2017	na	0.320	0.000	0.000
55-089S, 2007 Ford Explorer	230254	Mile	12/1/2017	na	0.260	0.000	0.000
65-551S, 2013 Ford F150	230254	Mile	12/1/2017	na	0.320	0.000	0.000
69-987S 2016 Ford F150	230254	Mile	12/1/2017	na	0.320	0.000	0.000

## Approved Service Center Rates

**Fish and Wildlife Conservation (0009)**

### **Fisheries & Wildlife Science Boat**

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Jim Fraser**

**Cost Accountant: David Hungate**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)			
					Internal	External	Market	
Boat Usage	Boat - Calidris	230390	Day	4/1/2019	na	18.000	0.000	0.000
	Boat-Alcyon	230390	Day	4/1/2019	na	2.000	0.000	0.000
	Boat-Paradesaea	230390	Day	4/1/2019	na	7.000	0.000	0.000

## Approved Service Center Rates

**Fish and Wildlife Conservation (0009)**

### Fisheries & Wildlife Science Vehicle

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Eric Hallerman**

**Cost Accountant: David Hungate**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
41-523S, 2000 Chevy Suburban	230060	Mile	4/1/2019	na	0.310	0.000	0.000
45-222S, 2001 Chevy Suburban	230060	Mile	4/1/2019	na	0.310	0.000	0.000
47-292S, 2012 Chevy Silverado 1500	230060	Mile	4/1/2019	na	0.570	0.000	0.000
47-294S, 2012 Chevy Silverado 1500	230060	Mile	4/1/2019	na	0.570	0.000	0.000
47-295S, 2012 Chevy Silverado	230060	Mile	4/1/2019	na	0.570	0.000	0.000
52-482S, 2002 Toytoa pickup	230060	Mile	4/1/2019	na	0.570	0.000	0.000
55-094S, 2003 Toyota Tundra	230060	Mile	4/1/2019	na	0.570	0.000	0.000
57-563S, 2008 Ford Explorer	230060	Mile	4/1/2019	na	0.310	0.000	0.000
57-591S, 2009 Ford F350	230060	Mile	4/1/2019	na	0.570	0.000	0.000
60-232S, 2011 Ford Super Duty	230060	Mile	4/1/2019	na	0.570	0.000	0.000
60-236S, 2011 Ford Super Duty	230060	Mile	4/1/2019	na	0.570	0.000	0.000
60-237S, 2011 Ford Super Duty	230060	Mile	4/1/2019	na	0.570	0.000	0.000
66-921S, 2014 Ford F150 CC	230060	Mile	4/1/2019	na	0.570	0.000	0.000
66-998S, 2014 Ford F150 CC	230060	Mile	4/1/2019	na	0.570	0.000	0.000
68-284S, 2015 Ford F150	230060	Mile	4/1/2019	na	0.570	0.000	0.000
69-968S, 2016 Nissan Front	230060	Mile	4/1/2019	na	0.570	0.000	0.000
69-974S, 2016 Ford F150	230060	Mile	4/1/2019	na	0.570	0.000	0.000
71-559S, Ford F150 CC	230060	Mile	4/1/2019	na	0.570	0.000	0.000
74-662S, Ford F150 CC	230060	Mile	4/1/2019	na	0.570	0.000	0.000

*Approved Rates as of 3/15/2019 2:49:34 PM*

*Rates are subject to change without notice. Consult service center prior to usage to verify current rate.*

## Approved Service Center Rates

### Food Science and Technology (0014)

### Food Innovation Center

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Joell Eifert**

**Cost Accountant: Dana Danis**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
Food Sample evaluation and report	230040	Product	2/1/2018	na	37.000	60.000	0.000
Nutritional label preparation	230040	Label	2/1/2018	na	31.000	50.000	0.000
pH or Redox Potential Test	230040	Product	2/1/2018	na	25.000	40.000	0.000
Process verification and process authority letter	230040	Product	2/1/2018	na	62.000	100.000	0.000
Water Activity Test	230040	Product	2/1/2018	na	28.000	45.000	0.000

## Approved Service Center Rates

**For Resources & Environ Consv (0008)**

### Forestry Vehicles

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Janaki Alavalapati**

**Cost Accountant: David Hungate**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
23-786S, 1998 GMC Sierra	230059	Mile	6/1/2018	na	0.560	0.000	0.000
48-981S, 2004 Chevy Silverado	230059	Mile	6/1/2018	na	0.560	0.000	0.000
55-235S, 2007 Chevy Colorado	230059	Mile	6/1/2018	na	0.560	0.000	0.000
60-163S, 2010 Ford Explorer	230059	Mile	6/1/2018	na	0.560	0.000	0.000
61-748S, 2012 Chevy Colorado	230059	Mile	6/1/2018	na	0.560	0.000	0.000
65-558S, 2013 GMC F-350	230059	Mile	6/1/2018	na	0.560	0.000	0.000
68-291S, 2015 Ford F-150	230059	Mile	6/1/2018	na	0.560	0.000	0.000

## Approved Service Center Rates

**Fralin Hall Operations (0316)**

### Confocal Microscope

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Kristi DeCourcy**

**Cost Accountant: Dana Danis**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
Confocal Microscope	230208	Hour	2/1/2018	na	35.000	56.000	0.000



## Approved Service Center Rates

**Geosciences (0044)**

### **EM/SEM Microprobe**

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Robert Tracy**

**Cost Accountant: Dana Danis**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
EM/SEM Microprobe	230145	Hour	11/1/2017	na	38.300	61.660	0.000

## Approved Service Center Rates

**Geosciences (0044)**

### **Laser Ablation ICPMS Laboratory**

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Robert Bodnar**

**Cost Accountant: Dana Danis**

		Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
						Internal	External	Market
Laser Ablation Lab	Assisted	230130	Hour	1/1/2018	na	134.000	216.000	250.000

## Approved Service Center Rates

**Geosciences (0044)**

### VT Stable Isotope Laboratory

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Benjamin Gill**

**Cost Accountant: Dana Danis**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
Process 1 Measurement of the carbon and oxygen isotope ratios of carbonate minerals or dissolved inorganic carbon	230117	sample	11/1/2017	na	8.000	12.880	0.000
Process 2 Measurement of the abundance of organic carbon and carbon isotope ratio of organic carbon in solid sample material	230117	sample	11/1/2017	na	18.000	28.980	0.000
Process 3 Measurement of the abundance of nitrogen and nitrogen isotope ratio in sample material	230117	sample	11/1/2017	na	18.000	28.980	0.000
Process 4 Measurement of sulfur isotope ratio of sulfide in solid sample material	230117	sample	11/1/2017	na	18.000	28.980	0.000
Process 5 Measurement of sulfur isotope ratio of sulfate in solid sample material	230117	sample	11/1/2017	na	18.000	28.980	0.000
Process 6 Measurement of total sulfide abundance	230117	sample	11/1/2017	na	18.000	28.980	0.000
Process 7 Measurement of sulfate abundance and sulfur isotope ratio in solid sample material	230117	sample	11/1/2017	na	18.000	28.980	0.000

## Approved Service Center Rates

**Horticulture (0011)**

### **Keck Greenhouse**

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Jeff Burr**

**Cost Accountant: Dana Danis**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
Greenhouse	230357	Square Foot	9/1/2017	na	0.049	0.079	0.000

## Approved Service Center Rates

**Human Nutrition, Foods & Exercise (0131)**

### Metabolism Core

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Matthew Hulver**

**Cost Accountant: Nancy Ritter**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
BCA Assay	230348	Sample	3/1/2018	na	22.900	36.900	0.000
BHAD Activity	230348	Sample	3/1/2018	na	9.000	14.500	0.000
Cell Culture Bioenergetics	230348	EA	3/1/2018	na	150.100	241.700	0.000
Cell Substrate Metabolism	230348	EA	3/1/2018	na	42.700	68.700	0.000
Citrate Synthase Activity	230348	Sample	3/1/2018	na	9.900	15.500	0.000
Cytochrome C Oxidase Activity	230348	Sample	3/1/2018	na	4.400	7.100	0.000
Glucose Tolerance Testing	230348	Ea	3/1/2018	na	6.700	10.800	0.000
Histology: Cryo-Sectioning	230348	Slide	3/1/2018	na	4.800	7.700	0.000
Histology-H&E Staining	230348	Slide	3/1/2018	na	5.300	8.500	0.000
Histology-Microtome Sectioning	230348	Slide	3/1/2018	na	4.800	7.700	0.000
In Vitro Muscle Function	230348	EA	3/1/2018	na	17.500	28.200	0.000
In Vitro Skeletal Muscle Substrate Metabolism	230348	EA	3/1/2018	na	11.700	18.800	0.000
In Vivo Muscle Function	230348	EA	3/1/2018	na	24.100	38.800	0.000
Insulin Tolerance Testing	230348	EA	3/1/2018	na	6.700	10.800	0.000
MDH Activity	230348	Sample	3/1/2018	na	1.300	2.100	0.000
Mitochondria Function:Pyruvate-Malate	230348	Plate	3/1/2018	na	109.500	176.300	0.000
Mitochondria Function:Succinate-Rotenone	230348	Plate	3/1/2018	na	109.400	176.100	0.000
Mitochondria Function:TMPD Electron Flow	230348	Plate	3/1/2018	na	105.200	169.400	0.000
Mitochondria Isolation	230348	Plate	3/1/2018	na	13.800	22.200	0.000
Mitochondria Isolation and Function	230348	EA	3/1/2018	na	9.100	14.700	0.000
PKF Activity	230348	Sample	3/1/2018	na	2.800	4.500	0.000

*Approved Rates as of 3/15/2019 2:49:34 PM*

*Rates are subject to change without notice. Consult service center prior to usage to verify current rate.*

## Approved Service Center Rates

**Human Nutrition, Foods & Exercise (0131)**

### **Metabolism Core**

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Matthew Hulver**

**Cost Accountant: Nancy Ritter**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
Running Wheel Activity	230348	EA	3/1/2018	na	11.600	18.700	0.000
TSE Whole Body Calorimetry	230348	EA	3/1/2018	na	23.300	37.500	0.000

## Approved Service Center Rates

**ICTAS (0474)**

### Nanoscale Characterization and Fabrication Lab

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: William Reynolds**

**Cost Accountant: Nancy Ritter**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
3D DVM	230470	Hour	6/1/2017	na	15.000	24.000	36.000
AFM (Multimode)	230470	Hour	6/1/2017	na	15.000	24.000	36.000
AFM Sample Prep	230470	Sample	6/1/2017	na	21.000	34.000	51.000
BET	230470	Hour	6/1/2017	na	10.000	16.000	26.000
Bio-AFM	230470	Hour	6/1/2017	na	15.000	24.000	36.000
Cyro-Ultra Microtome	230470	Hour	6/1/2017	na	22.000	35.000	48.000
DLS	230470	Hour	6/1/2017	na	12.000	19.000	32.000
E-SEM	230470	Hour	6/1/2017	na	35.000	56.000	80.000
FE-SEM	230470	Hour	6/1/2017	na	35.000	56.000	80.000
FIB	230470	Hour	6/1/2017	na	40.000	64.000	90.000
FIB standard lift-out	230470	Sample	6/1/2017	na	550.000	886.000	1,000.000
Polishing Papers & Cloths	230470	Paper	6/1/2017	na	2.000	3.000	5.000
Polishing Sample Prep	230470	Sample	6/1/2017	na	2.000	3.000	5.000
Raman-AFM	230470	Hour	6/1/2017	na	20.000	32.000	53.000
SEM Sample Prep	230470	Run	6/1/2017	na	15.000	24.000	36.000
SIMS	230470	Hour	6/1/2017	na	58.000	93.000	275.000
Technical Assistance and Training	230470	Hour	6/1/2017	na	50.000	81.000	81.000
TEM EM 420	230470	Hour	6/1/2017	na	25.000	40.000	60.000
TEM JEOL 2100	230470	Hour	6/1/2017	na	45.000	72.000	100.000
TEM Sample Prep	230470	Hour	6/1/2017	na	15.000	24.000	36.000
TEM Titan 80-300	230470	Hour	6/1/2017	na	60.000	97.000	145.000
Triboindenter	230470	Hour	6/1/2017	na	20.000	32.000	48.000

*Approved Rates as of 3/15/2019 2:49:34 PM*

*Rates are subject to change without notice. Consult service center prior to usage to verify current rate.*

*Page 71 of 92*

## Approved Service Center Rates

**ICTAS (0474)**

### **Nanoscale Characterization and Fabrication Lab**

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: William Reynolds**

**Cost Accountant: Nancy Ritter**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
UV-Vis-NIR	230470	Hour	6/1/2017	na	5.000	8.000	13.000
XPS	230470	Hour	6/1/2017	na	30.000	48.000	95.000



## Approved Service Center Rates

**Mechanical Engineering (0107)**

### APPL Service Center

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Jaideep Pandit**

**Cost Accountant: Nancy Ritter**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
Compressor	230322	Hour	9/1/2018	na	57.000	92.000	0.000
Occupancy	230322	Day	9/1/2018	na	366.000	525.000	0.000

## Approved Service Center Rates

**Northern District Coop. Extension (0216)**

### VCE - Northern District Vehicle

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: John Thompson**

**Cost Accountant: David Hungate**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
58871S - Impala	230375	Mile	2/1/2019	na	0.130	0.000	0.000
60244S - Impala	230375	Mile	2/1/2019	na	0.120	0.000	0.000
63767S-GMC	230375	Mile	2/1/2019	na	0.160	0.000	0.000
65555S-Dodge	230375	Mile	2/1/2019	na	0.180	0.000	0.000
74608S - Impala	230375	Mile	2/1/2019	na	0.120	0.000	0.000
74609S - Honda	230375	Mile	2/1/2019	na	0.090	0.000	0.000

## Approved Service Center Rates

**Physics (0052)**

### **Nonlinear Imaging & Spectroscopy Lab**

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Hans Robinson**

**Cost Accountant: Dana Danis**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
Usage	230137	per Hour	11/1/2018	na	34.000	55.000	270.000

## Approved Service Center Rates

**School of Plant and Environmental Sciences (0003)**

### SPES Central Soil & Water Lab

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Julie Burger**

**Cost Accountant: Dana Danis**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
CEC Assisted	230693	Sample	3/1/2019	na	36.000	58.000	0.000
CEC Unassisted	230693	Sample	3/1/2019	na	2.100	0.000	0.000
CILAS Assisted	230699	Sample	3/1/2019	na	3.000	4.800	0.000
CILAS Unassisted	230699	Sample	3/1/2019	na	0.700	0.000	0.000
Effective CEC Assisted	230693	Sample	3/1/2019	na	12.000	19.300	0.000
Effective CEC Unassisted	230693	Sample	3/1/2019	na	0.700	0.000	0.000
Extractable N Assisted	230693	Sample	3/1/2019	na	2.900	4.700	0.000
Extractable N Unassisted	230693	Sample	3/1/2019	na	0.100	0.000	0.000
Mars Express Assisted	230699	Sample	3/1/2019	na	1.800	2.900	0.000
Mars Express Unassisted	230699	Sample	3/1/2019	na	1.000	0.000	0.000
Mehich 1 Assisted	230693	Sample	3/1/2019	na	1.500	2.400	0.000
Mehich 1 Unassisted	230693	Sample	3/1/2019	na	0.700	0.000	0.000
Partical Size Analysis Assisted	230693	Sample	3/1/2019	na	13.900	22.400	0.000
Partical Size Analysis Unassisted	230693	Sample	3/1/2019	na	9.670	0.000	0.000
PPA Assisted	230693	Sample	3/1/2019	na	31.400	50.600	0.000
PPA Unassisted	230693	Sample	3/1/2019	na	3.100	0.000	0.000
Pressure Plate Extractors Assisted	230699	Sample	3/1/2019	na	4.900	7.900	0.000
Pressure Plate Extractors Unassisted	230699	Sample	3/1/2019	na	2.800	0.000	0.000
Rock Crushing Assisted	230693	Sample	3/1/2019	na	16.900	27.200	0.000
Sat. Paste pH/EC Assisted	230693	Sample	3/1/2019	na	8.400	13.500	0.000
Sat. Paste pH/EC Unassisted	230693	Sample	3/1/2019	na	1.300	0.000	0.000
Saturated Hydraulic Conductivity Assisted	230699	Sample	3/1/2019	na	35.100	56.500	0.000

*Approved Rates as of 3/15/2019 2:49:34 PM*

*Rates are subject to change without notice. Consult service center prior to usage to verify current rate.*

## Approved Service Center Rates

**School of Plant and Environmental Sciences (0003)**

### SPES Central Soil & Water Lab

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Julie Burger**

**Cost Accountant: Dana Danis**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
Saturated Hydraulic Conductivity Unassisted	230699	Sample	3/1/2019	na	1.200	0.000	0.000
Sobek-NP Assisted	230693	Sample	3/1/2019	na	12.700	20.400	0.000
Sobek-NP Unassisted	230693	Sample	3/1/2019	na	1.400	0.000	0.000
Soil Acidity Assisted	230693	Sample	3/1/2019	na	1.700	2.700	0.000
Soil Acidity Unassisted	230693	Sample	3/1/2019	na	0.700	0.000	0.000
Soil Grinding and Sieving #10 2mm Assisted	230693	Sample	3/1/2019	na	3.000	4.800	0.000
Soil Grinding and Sieving #10 2mm Unassisted	230693	Sample	3/1/2019	na	0.500	0.000	0.000
Soil Grinding and Sieving #80 177um Assisted	230693	Sample	3/1/2019	na	5.300	8.500	0.000
Soil Grinding and Sieving #80 177um Unassisted	230693	Sample	3/1/2019	na	0.400	0.000	0.000
TOC/TN/IC40 Assisted	230695	Sample	3/1/2019	na	1.800	2.900	0.000
TOC/TN/IC40 Unassisted	230695	Sample	3/1/2019	na	0.700	0.000	0.000
Total Digest Assisted	230693	Sample	3/1/2019	na	10.700	17.200	0.000
Total Digest Unassisted	230693	Sample	3/1/2019	na	2.200	0.000	0.000
Total Dissolved Solids Assisted	230693	Sample	3/1/2019	na	6.600	10.600	0.000
Total Dissolved Solids Unassisted	230693	Sample	3/1/2019	na	0.800	0.000	0.000
Water Acidity Assisted	230693	Sample	3/1/2019	na	24.300	39.100	0.000
Water Acidity Unassisted	230693	Sample	3/1/2019	na	1.500	0.000	0.000
Water Alkalinity Assisted	230693	Sample	3/1/2019	na	24.400	39.300	0.000
Water Alkalinity Unassisted	230693	Sample	3/1/2019	na	1.700	0.000	0.000
Water Filtering Assisted	230693	Sample	3/1/2019	na	11.800	19.000	0.000

*Approved Rates as of 3/15/2019 2:49:34 PM*

*Rates are subject to change without notice. Consult service center prior to usage to verify current rate.*

## Approved Service Center Rates

**School of Plant and Environmental Sciences (0003)**

### **SPES Central Soil & Water Lab**

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Julie Burger**

**Cost Accountant: Dana Danis**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
Water Filtering Unassisted	230693	Sample	3/1/2019	na	0.600	0.000	0.000

## Approved Service Center Rates

**School of Visual Arts SOVA (0059)**

### **FourDesign (VDS4)**

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Jeff Joiner**

**Cost Accountant: Cara Ciaramella**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
Visual Design	230250	Hour	10/1/2018	na	47.000	75.000	0.000

## Approved Service Center Rates

**Southeast District Coop. Extension (0213)**

### VCE-Southeast District Vehicle

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Janet Spencer**

**Cost Accountant: David Hungate**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
60175S HHR	230372	Mile	12/1/2018	na	0.420	0.000	0.000
68316S Chevrolet Impala	230372	Mile	12/1/2018	na	0.460	0.000	0.000
68343S Chevrolet Impala	230372	Mile	12/1/2018	na	0.450	0.000	0.000



## Approved Service Center Rates

**Southwest District Coop. Extension (0217)**

### VCE - Southwest District Vehicles

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Lea Combs**

**Cost Accountant: David Hungate**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
55238S - Van	230115	Mile	8/1/2017	na	0.320	0.000	0.000
66955S - Van	230115	Mile	8/1/2017	na	0.320	0.000	0.000
71580S - Impala	230115	Mile	10/1/2017	na	0.120	0.000	0.000
71581S - Impala	230115	Mile	10/1/2017	na	0.120	0.000	0.000

## Approved Service Center Rates

**Statics (0056)**

### SAIG

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Jennifer Van Mullekom**

**Cost Accountant: Nancy Ritter**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
Faculty	230573	Hour	7/1/2018	na	0.000	0.000	175.000
Graduate Student	230573	Hour	7/1/2018	na	42.000	68.000	75.000
Research Associate/Staff	230573	Hour	7/1/2018	na	48.000	77.000	125.000
Senior Faculty Director	230573	Hour	7/1/2018	na	111.000	179.000	250.000

## Approved Service Center Rates

**Veterinary Medicine Experiment Sta. (0033)**

### **Electron Microscopy Service Laboratory**

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Kathy Lowe**

**Cost Accountant: Dana Danis**

		Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
						Internal	External	Market
Sectioning	Thick Cut Blocks	230012	Sample	6/1/2018	na	34.000	55.000	0.000
	Thin Cut Block	230012	Sample	6/1/2018	na	36.000	58.000	0.000
SEM Specimen Processed	SEM Processing (Scope)	230012	Hour	6/1/2018	na	46.000	74.000	0.000
	SEM Specimens Prep	230012	Sample	6/1/2018	na	38.000	61.000	0.000
Specimen Testing	Critical Point Dryer Runs	230012	Sample	6/1/2018	na	20.000	32.000	0.000
	Negative Staining	230012	Sample	6/1/2018	na	25.000	40.000	0.000
	Sputter Coater Runs	230012	Sample	6/1/2018	na	19.000	31.000	0.000
TEM Specimen Processed	TEM Processing (Scope)	230012	Hour	6/1/2018	na	69.000	111.000	0.000
	TEM Specimens Prep	230012	Sample	6/1/2018	na	37.000	60.000	0.000

## Approved Service Center Rates

**Veterinary Medicine Experiment Sta. (0033)**

### Flow Cytometry Lab

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Melissa Makris**

**Cost Accountant: Dana Danis**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
Cytometers	230043	Hour	4/1/2018	na	98.000	158.000	0.000

## Approved Service Center Rates

### Veterinary Medicine Experiment Sta. (0033)

### Toxicology Lab

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: McAlister Council-Troche**

**Cost Accountant: Dana Danis**

		Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
						Internal	External	Market
Insecticides/Pesticides	R009 Carbamates screen	230176	Sample	5/1/2018	na	63.000	101.000	0.000
	R012 Cholinesterase assay (Blood)	230176	Sample	5/1/2018	na	41.000	66.000	0.000
	R013 Cholinesterase assay (Brain)	230176	Sample	5/1/2018	na	39.000	63.000	0.000
	R034 Pesticides screen (Organophosphates)	230176	Sample	5/1/2018	na	82.000	132.000	0.000
	R035 Strychnine	230176	Sample	5/1/2018	na	56.000	90.000	0.000
Metals & Minerals	R015 Copper (Liver biopsy)	230176	Sample	5/1/2018	na	37.000	59.000	0.000
	R024 Lead by AA-GTA (Blood only)	230176	Sample	5/1/2018	na	43.000	69.000	0.000
	R025 Metals by AA-Flame (Serum)	230176	Sample	5/1/2018	na	37.000	60.000	0.000
	R026 Metals by AA-Flame (Tissues/feed)	230176	Sample	5/1/2018	na	48.000	77.000	0.000
	R027 Metals by AA-GTA (Tissues,Feed)	230176	Sample	5/1/2018	na	50.000	81.000	0.000
	R028 Metals by AA-VGS (Selenium, Arsenic)	230176	Sample	5/1/2018	na	40.000	65.000	0.000
	R029 Metals by Icp-MS (Screen)	230176	Sample	5/1/2018	na	60.000	97.000	0.000
	R042 Selenium Speciation (LC-ICP MS)	230176	Sample	5/1/2018	na	75.000	120.000	0.000
	R043 Blood Lead (ICP-MS)	230176	Sample	5/1/2018	na	48.000	77.000	0.000
	R047 Metals/Minerals screen(w/o sample preparation)	230176	Sample	5/1/2018	na	31.000	50.000	0.000
	R048 Mercury	230176	Sample	5/1/2018	na	56.000	90.000	0.000

*Approved Rates as of 3/15/2019 2:49:34 PM*

*Rates are subject to change without notice. Consult service center prior to usage to verify current rate.*

*Page 85 of 92*

## Approved Service Center Rates

**Veterinary Medicine Experiment Sta. (0033)**

**Toxicology Lab**

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: McAlister Council-Troche**

**Cost Accountant: Dana Danis**

		Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
						Internal	External	Market
Miscellaneous	R007 Barbiturates (Biological fluids)	230176	Sample	5/1/2018	na	95.000	153.000	0.000
	R008 Barbiturates (Tissues,feed)	230176	Sample	5/1/2018	na	109.000	176.000	0.000
	R010 Catecholamines (Brain homogenates)	230176	Sample	5/1/2018	na	48.000	77.000	0.000
	R011 Catecholamines (Plasma, urine)	230176	Sample	5/1/2018	na	56.000	90.000	0.000
	R016 Cyanide	230176	Sample	5/1/2018	na	12.000	19.000	0.000
	R017 Ethylene glycol	230176	Sample	5/1/2018	na	60.000	97.000	0.000
	R018 Flunixin in milk (Charm Reader)	230176	Sample	5/1/2018	na	49.000	79.000	0.000
	R019 Formaldehyde	230176	Sample	5/1/2018	na	60.000	97.000	0.000
	R021 GC-MS screen (Fluids)	230176	Sample	5/1/2018	na	56.000	90.000	0.000
	R022 GC-MS assay (Tissues/Feed)	230176	Sample	5/1/2018	na	76.000	123.000	0.000
	R023 LC-MS/MS Assay	230176	Sample	5/1/2018	na	50.000	81.000	0.000
	R030 Methemoglobin	230176	Sample	5/1/2018	na	15.000	24.000	0.000
	R031 Nitrates	230176	Sample	5/1/2018	na	16.000	26.000	0.000
	R032 NSAID	230176	Sample	5/1/2018	na	41.000	66.000	0.000
	R036 Urea	230176	Sample	5/1/2018	na	21.000	34.000	0.000
	R050 Prep Fee	230176		5/1/2018	na	29.000	47.000	0.000
Mycotoxins	R001 Aflatoxin (Elisa)	230176	Sample	5/1/2018	na	46.000	74.000	0.000
	R003 Aflatoxin (Milk)	230176	Sample	5/1/2018	na	49.000	79.000	0.000
	R041 Vomitoxin (Elisa)	230176	Sample	5/1/2018	na	49.000	79.000	0.000

*Approved Rates as of 3/15/2019 2:49:34 PM*

*Rates are subject to change without notice. Consult service center prior to usage to verify current rate.*

## Approved Service Center Rates

**Veterinary Medicine Experiment Sta. (0033)**

### Toxicology Lab

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: McAlister Council-Troche**

**Cost Accountant: Dana Danis**

		Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
						Internal	External	Market
Rodenticides	R005 Anticoagulants screen (Blood)	230176	Sample	5/1/2018	na	101.000	163.000	0.000
	R006 Anticoagulants screen (Tissue,Feed/Bait)	230176	Sample	5/1/2018	na	107.000	172.000	0.000
Vitamins	R037 Vitamin A (Serum/Plasma)	230176	Sample	5/1/2018	na	63.000	102.000	0.000
	R038 Vitamin A (Tissue/Feed)	230176	Sample	5/1/2018	na	59.000	95.000	0.000
	R039 Vitamin E (Serum/Plasma)	230176	Sample	5/1/2018	na	41.000	66.000	0.000
	R040 Vitamin E (Tissue/Feed)	230176	Sample	5/1/2018	na	40.000	65.000	0.000

## Approved Service Center Rates

**Veterinary Medicine Experiment Sta. (0033)**

### Vet Med - Animal Housing/Small

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Karen Hall**

**Cost Accountant: Cara Ciaramella**

		Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
						Internal	External	Market
Chickens	Housed in isolators	230455	Isolator/day	7/1/2018	na	14.700	23.670	0.000
Dogs		230455	Animal/day	7/1/2018	na	11.370	18.310	0.000
Horse	Horses - Pasture (Excludes feed)	230455	Animal/day	7/1/2018	na	11.370	18.310	0.000
Mice	ABSL1	230455	Cage/day	7/1/2018	na	0.870	1.400	0.000
	ABSL2	230455	Cage/day	7/1/2018	na	0.990	1.600	0.000
	ABSL3	230455	Cage/day	7/1/2018	na	3.250	5.230	0.000
Pigs	ABSL2	230455	Animal/day	7/1/2018	na	10.280	16.550	0.000
	Gnotobiotic	230455	Animal/day	7/1/2018	na	20.160	32.460	0.000
Rabbit		230455	Animal/day	10/1/2018	na	4.510	7.260	0.000
Rats	ABSL1	230455	Cage/day	7/1/2018	na	2.420	3.900	0.000
Technical Activities	Basic	230455	Hour	7/1/2018	na	24.560	39.540	0.000
Turkeys	Group on Floor	230455	Animal/day	7/1/2018	na	1.300	2.090	0.000
	Housed in battery-type cages	230455	Cage/day	7/1/2018	na	11.990	19.300	0.000



## Approved Service Center Rates

**Veterinary Medicine Experiment Sta. (0033)**

### **Vet Med - Statistical Consulting Lab**

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Stephen Were**

**Cost Accountant: Dana Danis**

		Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
						Internal	External	Market
Consulting Lab	Statistical Consulting	230280	Hour	4/1/2018	na	51.000	82.000	0.000

## Approved Service Center Rates

**Virginia Tech Transportation Instit (0308)**

### VTTI DAS

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Pascha Gerni**

**Cost Accountant: Cara Ciaramella**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
Rental & Maintenance of MiniDAS units (Excludes activation and data plans)	230122	per unit per month	11/1/2018	na	60.000	0.000	0.000

## Approved Service Center Rates

**Virginia Tech Transportation Instit (0308)**

### **VTTI Smart Road**

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Pascha Gerni**

**Cost Accountant: Cara Ciaramella**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
Control Room	230209	Hour	7/1/2018	na	162.000	0.000	0.000
Lighting	230209	Hour	7/1/2018	na	170.000	0.000	0.000
Weather (includes rain, snow, and fog)	230209	Hour	7/1/2018	na	563.000	0.000	0.000

## Approved Service Center Rates

**VT Carilion (VTC) Res. Institute (0183)**

### **VTCRI Human Neuroimaging Lab (HNL)**

*HokieMart customers are required to debit (charge) account code 1244R when creating purchase orders.*

**Manager: Sherri Cook**

**Cost Accountant: Cara Ciaramella**

	Banner Fund	Rate Per	Effective Date	Min/Max (in Dollars)	RATES (in Dollars)		
					Internal	External	Market
HNL	230284	Hour	9/1/2018	na	500.000	805.000	0.000