

## 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: Nancy Ritter**

|           |            | Banner Fund | Rate Per | Effective Date | Min/Max (in Dollars) | RATES (in Dollars) |          |        |
|-----------|------------|-------------|----------|----------------|----------------------|--------------------|----------|--------|
|           |            |             |          |                |                      | Internal           | External | Market |
| Occupancy | Assisted   | 230079      | Hour     | 4/1/2020       | na                   | 353.000            | 567.000  | 0.000  |
|           | Unassisted | 230079      | Hour     | 4/1/2020       | na                   | 222.000            | 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: Diana Alexander**

|                      | 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

**AREC (002500)**

## **Strawn Lab**

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

**Manager: Mary Seltzer**

**Cost Accountant: Dana Danis**

|           | Banner Fund | Rate Per | Effective Date | Min/Max (in Dollars) | RATES (in Dollars) |          |        |
|-----------|-------------|----------|----------------|----------------------|--------------------|----------|--------|
|           |             |          |                |                      | Internal           | External | Market |
| Equipment | 230387      | Hour     | 5/1/2019       | na                   | 53.000             | 0.000    | 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: Braelyn Simpson**

|          | 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: Diana Alexander**

|                                 |                                   | 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  |

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## 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: Kirk Felton**

**Cost Accountant: Diana Alexander**

|          | Banner Fund                                       | Rate Per | Effective Date | Min/Max (in Dollars) | RATES (in Dollars) |           |           |       |
|----------|---|----------|----------------|----------------------|--------------------|-----------|-----------|-------|
|          |   |          |                |                      | Internal           | External  | Market    |       |
| Illumina | 16S Amplicon Prep Library Prep                    | 230267   | Sample         | 11/1/2019            | na                 | 21.000    | 34.000    | 0.000 |
|          | Bisulphite Conversion                             | 230267   | Sample         | 11/1/2019            | na                 | 69.000    | 106.000   | 0.000 |
|          | Covaris Fragmentation                             | 230267   | Sample         | 11/1/2019            | na                 | 21.000    | 34.000    | 0.000 |
|          | DNA High Throughput Libarary Prep (>= 48 Samples) | 230267   | Sample         | 11/1/2019            | na                 | 89.000    | 134.000   | 0.000 |
|          | DNA Seq Library Prep                              | 230267   | Sample         | 11/1/2019            | na                 | 169.000   | 263.000   | 0.000 |
|          | Exome Capture Library Prep                        | 230267   | Sample         | 11/1/2019            | na                 | 175.000   | 281.000   | 0.000 |
|          | Methyl-Seq Library Prep                           | 230267   | Sample         | 11/1/2019            | na                 | 265.000   | 375.000   | 0.000 |
|          | MiSeq Micro v2 300 Cycle Per Run                  | 230267   | Run            | 11/1/2019            | na                 | 750.000   | 921.000   | 0.000 |
|          | MiSeq Nano v2 300 Cycle Per Run                   | 230267   | Run            | 11/1/2019            | na                 | 575.000   | 728.000   | 0.000 |
|          | MiSeq Nano v2 500 Cycle Per Run                   | 230267   | Run            | 11/1/2019            | na                 | 650.000   | 814.000   | 0.000 |
|          | MiSeq v2 300 Cycle Cluster Gen. and Seq. Per Lane | 230267   | Run            | 11/1/2019            | na                 | 1,550.000 | 1,840.000 | 0.000 |
|          | MiSeq v2 50 Cycle Cluster Gen. and Seq. Per Run   | 230267   | Run            | 11/1/2019            | na                 | 1,075.000 | 1,216.000 | 0.000 |
|          | MiSeq v2 500 Cycle Cluster Gen. and Seq. Per Lane | 230267   | Run            | 11/1/2019            | na                 | 1,625.000 | 1,884.000 | 0.000 |
|          | MiSeq v3 150 Cycle Cluster Gen. and Seq. Per Run  | 230267   | Run            | 11/1/2019            | na                 | 1,375.000 | 1,644.000 | 0.000 |
|          | MiSeq v3 600 Cycle Cluster Gen. and Seq. Per Lane | 230267   | Run            | 11/1/2019            | na                 | 2,025.000 | 2,311.000 | 0.000 |
|          | mRNA Stranded Seq Library Prep                    | 230267   | Sample         | 11/1/2019            | na                 | 175.000   | 253.000   | 0.000 |

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## 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: Kirk Felton**

**Cost Accountant: Diana Alexander**

|   | 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 48 Samples) | 230267      | Sample   | 11/1/2019      | na                   | 102.000            | 136.000    | 0.000  |
| Next Seq HO 150 Cycles  | 230267      | Run      | 11/1/2019      | na                   | 3,200.000          | 3,200.000  | 0.000  |
| Next Seq HO 300 Cycles  | 230267      | Run      | 11/1/2019      | na                   | 4,945.000          | 4,945.000  | 0.000  |
| Next Seq HO 75 Cycles   | 230267      | Run      | 11/1/2019      | na                   | 1,850.000          | 1,850.000  | 0.000  |
| Next Seq MO 150 Cycles  | 230267      | Run      | 11/1/2019      | na                   | 1,384.000          | 1,384.000  | 0.000  |
| Next Seq MO 300 Cycles  | 230267      | Run      | 11/1/2019      | na                   | 2,110.000          | 2,110.000  | 0.000  |
| Nextera DNA Library Prep  | 230267      | Sample   | 11/1/2019      | na                   | 146.000            | 182.000    | 0.000  |
| Nextera XT DNA Library Prep   | 230267      | Sample   | 11/1/2019      | na                   | 103.000            | 146.000    | 0.000  |
| Nova Seq S1 100 Cycle 100SR or 50PE   | 230267      | Run      | 11/1/2019      | na                   | 5,150.000          | 5,546.000  | 0.000  |
| Nova Seq S1 200 Cycle 100PE   | 230267      | Run      | 11/1/2019      | na                   | 6,550.000          | 6,956.000  | 0.000  |
| Nova Seq S1 300 Cycle 150PE   | 230267      | Run      | 11/1/2019      | na                   | 8,350.000          | 9,188.000  | 0.000  |
| Nova Seq S2 100 Cycle 50PE  | 230267      | Run      | 11/1/2019      | na                   | 11,375.000         | 12,300.000 | 0.000  |
| Nova Seq S2 200 Cycle 100PE   | 230267      | Run      | 11/1/2019      | na                   | 14,250.000         | 14,822.000 | 0.000  |
| Nova Seq S2 300 Cycle 150PE   | 230267      | Run      | 11/1/2019      | na                   | 16,425.000         | 16,968.000 | 0.000  |
| Nova Seq S2 Lane Split  | 230267      | Run      | 11/1/2019      | na                   | 999.000            | 1,165.000  | 0.000  |
| Nova Seq S4 200 Cycle 100PE   | 230267      | Run      | 11/1/2019      | na                   | 29,807.000         | 31,612.000 | 0.000  |
| Nova Seq S4 300 Cycle 150PE   | 230267      | Run      | 11/1/2019      | na                   | 34,000.000         | 35,903.000 | 0.000  |
| Nova Seq S4 Lane Split  | 230267      | Run      | 11/1/2019      | na                   | 1,250.000          | 1,250.000  | 0.000  |
| NovaSeq SP 100 Cycle  | 230267      | Run      | 11/1/2019      | na                   | 3,044.000          | 3,272.000  | 0.000  |
| NovaSeq SP 300 Cycle  | 230267      | Run      | 11/1/2019      | na                   | 4,975.000          | 5,415.000  | 0.000  |
| NovaSeq SP 500 Cycle  | 230267      | Run      | 11/1/2019      | na                   | 6,550.000          | 6,956.000  | 0.000  |

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## 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: Kirk Felton**

**Cost Accountant: Diana Alexander**

|          |   | Banner Fund | Rate Per | Effective Date | Min/Max (in Dollars) | RATES (in Dollars) |          |        |
|----------|---|-------------|----------|----------------|----------------------|--------------------|----------|--------|
|          |   |             |          |                |                      | Internal           | External | Market |
| ILLUMINA | QPCR of Investigator Libraries  | 230267      | Sample   | 11/1/2019      | na                   | 18.000             | 27.000   | 0.000  |
|          | Small RNA Profiling Library Prep  | 230267      | Sample   | 11/1/2019      | na                   | 225.000            | 303.000  | 0.000  |
|          | Small RNA Profiling Library Prep - high volume rate (Groups of 48 Samples)              | 230267      | Sample   | 11/1/2019      | na                   | 155.000            | 191.000  | 0.000  |
|          | Specialized Services  | 230267      | Hour     | 11/1/2019      | na                   | 146.000            | 234.000  | 0.000  |
|          | Total Stranded RNA Library Prep   | 230267      | Sample   | 11/1/2019      | na                   | 240.000            | 325.000  | 0.000  |
|          | Total Stranded RNA Library Prep - high volume (Groups of 48 Samples)                    | 230267      | Sample   | 11/1/2019      | na                   | 170.000            | 212.000  | 0.000  |
|          | Ultra Low Input mRNA Seq Library Prep Single Cell (non-stranded)                        | 230267      | Sample   | 11/1/2019      | na                   | 255.000            | 339.000  | 0.000  |
|          | Ultra Low Input mRNA Seq Library Prep Single Cell (non-stranded) (Groups of 48 Samples) | 230267      | Sample   | 11/1/2019      | na                   | 190.000            | 235.000  | 0.000  |
| SANGER   | Agilent RNA/DNA-QC  | 230267      | Sample   | 11/1/2019      | na                   | 11.000             | 17.130   | 0.000  |
|          | Full Reactions  | 230267      | Sample   | 11/1/2019      | na                   | 5.000              | 7.120    | 0.000  |
|          | Quibit  | 230267      | Sample   | 11/1/2019      | na                   | 4.500              | 6.860    | 0.000  |

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## 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: Nancy Ritter**

|          |                           | 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      | Bench    | 8/1/2019       | na                   | 3.860              | 6.200    | 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: Braelyn Simpson**

|                                 | 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: Braelyn Simpson**

|                         | 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             | 7/1/2020       | na                   | 4.120              | 6.600    | 0.000  |
| WQL01U, Total Nitrogen                                      | Unassisted | 230002      | Sample             | 7/1/2020       | na                   | 3.650              | 0.000    | 0.000  |
| WQL02A, Conductivity/TDS                                    | Assisted   | 230002      | Sample             | 7/1/2020       | na                   | 2.370              | 3.820    | 0.000  |
| WQL02U, Conductivity/TDS                                    | Unassisted | 230002      | Sample             | 7/1/2020       | na                   | 0.020              | 0.000    | 0.000  |
| WQL13A, Ion Analysis of Water (per Element)                 | Assisted   | 230002      | Element per Sample | 7/1/2020       | na                   | 2.690              | 4.320    | 0.000  |
| WQL13U, Ion Analysis of Water (per Element)                 | Unassisted | 230002      | Element per Sample | 7/1/2020       | na                   | 0.670              | 0.000    | 0.000  |
| WQL14A, Ammonia   | Assisted   | 230002      | Sample             | 7/1/2020       | na                   | 4.260              | 6.820    | 0.000  |
| WQL14U, Ammonia   | Unassisted | 230002      | Sample             | 7/1/2020       | na                   | 4.140              | 0.000    | 0.000  |
| WQL16A, Orthophosphate                                      | Assisted   | 230002      | Sample             | 7/1/2020       | na                   | 3.500              | 5.620    | 0.000  |
| WQL16U, Orthophosphate                                      | Unassisted | 230002      | Sample             | 7/1/2020       | na                   | 3.380              | 0.000    | 0.000  |
| WQL17A, pH  | Assisted   | 230002      | Sample             | 7/1/2020       | na                   | 2.550              | 4.090    | 0.000  |
| WQL17U, pH  | Unassisted | 230002      | Sample             | 7/1/2020       | na                   | 0.080              | 0.000    | 0.000  |
| WQL21A, Total Phosphorus                                    | Assisted   | 230002      | Sample             | 7/1/2020       | na                   | 3.960              | 6.360    | 0.000  |
| WQL21U, Total Phosphorus                                    | Unassisted | 230002      | Sample             | 7/1/2020       | na                   | 3.730              | 0.000    | 0.000  |
| WQL22A, Total Suspended Solids                              | Assisted   | 230002      | Sample             | 7/1/2020       | na                   | 2.370              | 3.800    | 0.000  |
| WQL22U, Total Suspended Solids                              | Unassisted | 230002      | Sample             | 7/1/2020       | na                   | 1.520              | 0.000    | 0.000  |
| WQL28U, Bacterial Quantification Total Coloiform and E.coli | Unassisted | 230002      | Sample             | 7/1/2020       | na                   | 5.260              | 0.000    | 0.000  |
| WQL31A, Nitrate (Seal)                                      | Assisted   | 230002      | Sample             | 7/1/2020       | na                   | 4.090              | 6.560    | 0.000  |
| WQL31U, Nitrate (Seal)                                      | Unassisted | 230002      | Sample             | 7/1/2020       | na                   | 3.730              | 0.000    | 0.000  |
| WQL32A, Carbon Isotope                                      | Assisted   | 230002      | Sample             | 7/1/2020       | na                   | 3.580              | 5.750    | 0.000  |
| WQL32U, Carbon Isotope                                      | Unassisted | 230002      | Sample             | 7/1/2020       | na                   | 3.350              | 0.000    | 0.000  |

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## 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 |
| WQL33A, Elemental Analysis                      | Assisted   | 230002      | Sample   | 7/1/2020       | na                   | 4.820              | 7.740    | 0.000  |
| WQL33U, Elemental Analysis                      | Unassisted | 230002      | Sample   | 7/1/2020       | na                   | 4.490              | 0.000    | 0.000  |
| WQL34A, Carbon Analysis (organic and inorganic) | Assisted   | 230002      | Sample   | 7/1/2020       | na                   | 3.990              | 6.400    | 0.000  |
| WQL34U, Carbon Analysis (organic and inorganic) | Unassisted | 230002      | Sample   | 7/1/2020       | na                   | 3.760              | 0.000    | 0.000  |
| WQL36A, Metals Prep                             | Assisted   | 230002      | Sample   | 7/1/2020       | na                   | 3.510              | 5.620    | 0.000  |
| WQL36U, Metals Prep                             | Unassisted | 230002      | Sample   | 7/1/2020       | na                   | 0.280              | 0.000    | 0.000  |
| WQL37A, Alkalinity                              | Assisted   | 230002      | Sample   | 7/1/2020       | na                   | 7.550              | 12.120   | 0.000  |
| WQL37U, Alkalinity                              | Unassisted | 230002      | Sample   | 7/1/2020       | na                   | 3.670              | 0.000    | 0.000  |

**Manager: madelyn16**

**Cost Accountant: Dana Danis**

|   |          | Banner Fund | Rate Per | Effective Date | Min/Max (in Dollars) | RATES (in Dollars) |          |        |
|---|----------|-------------|----------|----------------|----------------------|--------------------|----------|--------|
|   |          |             |          |                |                      | Internal           | External | Market |
| WQL28A, Bacterial Quantification Total Coloiform and E.coli | Assisted | 230002      | Sample   | 7/1/2020       | na                   | 6.790              | 10.910   | 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     | 5/1/2020       | 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: Braelyn Simpson**

|                                  | Banner Fund | Rate Per | Effective Date | Min/Max (in Dollars) | RATES (in Dollars) |          |        |
|----------------------------------|-------------|----------|----------------|----------------------|--------------------|----------|--------|
|                                  |             |          |                |                      | Internal           | External | Market |
| 61-714S, 2012 Ford Escape hybrid | 230340      | Mile     | 3/1/2020       | na                   | 0.300              | 0.000    | 0.000  |
| 71-678S, 2018 Ford Explorer      | 230340      | Mile     | 3/1/2020       | na                   | 0.300              | 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: Braelyn Simpson**

|                                | 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      | na                   | 0.290              | 0.000    | 0.000  |
| 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 (0212)**

### **Chemistry - Chromatography**

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

**Manager: Alan Esker**

**Cost Accountant: Nancy Ritter**

|                    | Banner Fund | Rate Per     | Effective Date | Min/Max (in Dollars) | RATES (in Dollars) |          |        |
|--------------------|-------------|--------------|----------------|----------------------|--------------------|----------|--------|
|                    |             |              |                |                      | Internal           | External | Market |
| GC Analysis        | 230327      | 4 Hour Block | 3/1/2020       | na                   | 116.000            | 186.000  | 0.000  |
| LC Analysis        | 230327      | 4 Hour Block | 3/1/2020       | na                   | 126.000            | 202.000  | 0.000  |
| Method Development | 230327      | Hour         | 3/1/2020       | na                   | 127.000            | 204.000  | 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: Geno Iannaccone**

**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     | 3/1/2020       | na                   | 2.290              | 3.680    | 0.000  |
| 411-010-050, 50ML BEAKER           | 230239      | Each     | 3/1/2020       | na                   | 2.040              | 3.270    | 0.000  |
| 411-204-250, 250ML FLASK BLANK     | 230239      | Each     | 3/1/2020       | na                   | 6.900              | 11.070   | 0.000  |
| 411-204-500, 500ML FLASK BLANK     | 230239      | Each     | 3/1/2020       | na                   | 7.900              | 12.680   | 0.000  |
| 411-204-940, 1000ML FLASK BLANK    | 230239      | Each     | 3/1/2020       | na                   | 11.510             | 18.470   | 0.000  |
| 411-204-950, 2000ML FLASK BLANK    | 230239      | Each     | 3/1/2020       | na                   | 23.840             | 38.260   | 0.000  |
| 417-010-100, 100ML BEAKER          | 230239      | Each     | 3/1/2020       | na                   | 1.840              | 2.950    | 0.000  |
| 417-010-150, 150ML BEAKER          | 230239      | Each     | 3/1/2020       | na                   | 2.130              | 3.420    | 0.000  |
| 417-010-250, 250ML BEAKER          | 230239      | Each     | 3/1/2020       | na                   | 2.130              | 3.420    | 0.000  |
| 417-010-400, 400ML BEAKER          | 230239      | Each     | 3/1/2020       | na                   | 2.370              | 3.800    | 0.000  |
| 417-010-600, 600ML BEAKER          | 230239      | Each     | 3/1/2020       | na                   | 4.200              | 6.740    | 0.000  |
| 417-010-800, 800ML BEAKER          | 230239      | Each     | 3/1/2020       | na                   | 4.350              | 6.980    | 0.000  |
| 417-010-940, 1000ML BEAKER         | 230239      | Each     | 3/1/2020       | na                   | 5.520              | 8.860    | 0.000  |
| 417-010-950, 2000ML BEAKER         | 230239      | Each     | 3/1/2020       | na                   | 10.910             | 17.510   | 0.000  |
| 417-119-100, 100ML ERLLENMEYER     | 230239      | Each     | 3/1/2020       | na                   | 2.210              | 3.550    | 0.000  |
| 417-119-250, 250ML ERLLENMEYER     | 230239      | Each     | 3/1/2020       | na                   | 2.990              | 4.800    | 0.000  |
| 417-119-500, 500ML ERLLENMEYER     | 230239      | Each     | 3/1/2020       | na                   | 4.040              | 6.480    | 0.000  |
| 417-119-940, 1000ML ERLLENMEYER    | 230239      | Each     | 3/1/2020       | na                   | 6.100              | 9.790    | 0.000  |
| CG-101-09, 40/50 OUTER JOINT       | 230239      | Each     | 3/1/2020       | na                   | 12.600             | 20.220   | 0.000  |
| CG-121-P-02, 18/9 POLISHED SOCKET  | 230239      | Each     | 3/1/2020       | na                   | 7.450              | 11.960   | 0.000  |
| CG-121-P-04, 28/15 POLISHED SOCKET | 230239      | Each     | 3/1/2020       | na                   | 8.580              | 13.770   | 0.000  |

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## Approved Service Center Rates

**Chemistry (0042)**

### Chemistry - Glass Shop

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

**Manager: Geno Iannaccone**

**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     | 3/1/2020       | na                   | 10.100             | 16.210   | 0.000  |
| CG-122-05, 18/9 O-RING BALL JOINT  | 230239      | Each     | 3/1/2020       | na                   | 7.580              | 12.170   | 0.000  |
| CG-122-07, 28/15 O-RING BALL JOINT | 230239      | Each     | 3/1/2020       | na                   | 8.300              | 13.320   | 0.000  |
| CG-122-09, 35/25 O-RING BALL JOINT | 230239      | Each     | 3/1/2020       | na                   | 10.380             | 16.660   | 0.000  |
| CG-201-33, 50MM FRITTED DISC F     | 230239      | Each     | 3/1/2020       | na                   | 17.500             | 28.090   | 0.000  |
| CG-201-34, 50MM FRITTED DISC M     | 230239      | Each     | 3/1/2020       | na                   | 15.850             | 25.440   | 0.000  |
| CG-201-35, 50MM FRITTED DISC C     | 230239      | Each     | 3/1/2020       | na                   | 15.850             | 25.440   | 0.000  |
| CG-201-38, 60MM FRITTED DISC M     | 230239      | Each     | 3/1/2020       | na                   | 17.450             | 28.010   | 0.000  |
| CG-201-42, 70MM FRITTED DISC M     | 230239      | Each     | 3/1/2020       | na                   | 25.500             | 40.930   | 0.000  |
| CG-201-50, 80MM FRITTED DISC M     | 230239      | Each     | 3/1/2020       | na                   | 29.780             | 47.800   | 0.000  |
| CG-201-54, 90MM FRITTED DISC M     | 230239      | Each     | 3/1/2020       | na                   | 31.630             | 50.770   | 0.000  |
| CG-201-57, 100MM FRITTED DISC M    | 230239      | Each     | 3/1/2020       | na                   | 67.700             | 108.660  | 0.000  |
| CG-301-10, 4 RING HOSE CONNECTION  | 230239      | Each     | 3/1/2020       | na                   | 2.630              | 4.220    | 0.000  |
| CG-350-01, #7 CHEM-THREAD          | 230239      | Each     | 3/1/2020       | na                   | 8.080              | 12.970   | 0.000  |
| CG-350-02, #9 CHEM-THREAD          | 230239      | Each     | 3/1/2020       | na                   | 12.400             | 19.900   | 0.000  |
| CG-350-03, #15 CHEM-THREAD         | 230239      | Each     | 3/1/2020       | na                   | 14.400             | 23.110   | 0.000  |
| CG-350-05, #25 CHEM-THREAD         | 230239      | Each     | 3/1/2020       | na                   | 22.680             | 36.400   | 0.000  |
| CG-350-10, #4 CHEM-THREAD          | 230239      | Each     | 3/1/2020       | na                   | 9.100              | 14.610   | 0.000  |
| CG-618-03, 100ML FLASK BLANK       | 230239      | Each     | 3/1/2020       | na                   | 6.580              | 10.560   | 0.000  |
| CG-618-06, 250ML FLASK BLANK       | 230239      | Each     | 3/1/2020       | na                   | 11.430             | 18.350   | 0.000  |

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## Approved Service Center Rates

**Chemistry (0042)**

### Chemistry - Glass Shop

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

**Manager: Geno Iannaccone**

**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     | 3/1/2020       | na                   | 13.600             | 21.830   | 0.000  |
| CG-618-10, 1000ML FLASK BLANK            | 230239      | Each     | 3/1/2020       | na                   | 17.650             | 28.330   | 0.000  |
| CG-618-11, 2000ML FLASK BLANK            | 230239      | Each     | 3/1/2020       | na                   | 33.530             | 53.820   | 0.000  |
| CG-618-12, 3000ML FLASK BLANK            | 230239      | Each     | 3/1/2020       | na                   | 57.850             | 92.850   | 0.000  |
| CG-618-13, 5000ML FLASK BLANK            | 230239      | Each     | 3/1/2020       | na                   | 80.880             | 129.810  | 0.000  |
| CG-620-03, 50ML ERLLENMEYER BLANK        | 230239      | Each     | 3/1/2020       | na                   | 6.430              | 10.320   | 0.000  |
| CG-620-04, 125ML ERLLENMEYER BLANK       | 230239      | Each     | 3/1/2020       | na                   | 7.800              | 12.520   | 0.000  |
| CG-620-05, 250ML ERLLENMEYER BLANK       | 230239      | Each     | 3/1/2020       | na                   | 6.050              | 9.710    | 0.000  |
| CG-620-06, 500ML ERLLENMEYER BLANK       | 230239      | Each     | 3/1/2020       | na                   | 5.450              | 8.750    | 0.000  |
| CG-620-07, 1000ML ERLLENMEYER BLANK      | 230239      | Each     | 3/1/2020       | na                   | 8.900              | 14.280   | 0.000  |
| CG-621-02, 25ML PEAR SHAPED FLASK BLANK  | 230239      | Each     | 3/1/2020       | na                   | 5.100              | 8.190    | 0.000  |
| CG-621-03, 50ML PEAR SHAPED FLASK BLANK  | 230239      | Each     | 3/1/2020       | na                   | 5.550              | 8.910    | 0.000  |
| CG-621-04, 100ML PEAR SHAPED FLASK BLANK | 230239      | Each     | 3/1/2020       | na                   | 8.080              | 12.970   | 0.000  |
| CG-621-05, 250ML PEAR SHAPED FLASK BLANK | 230239      | Each     | 3/1/2020       | na                   | 20.580             | 33.030   | 0.000  |
| CG-621-06, 500ML PEAR SHAPED FLASK BLANK | 230239      | Each     | 3/1/2020       | na                   | 21.930             | 35.200   | 0.000  |
| CG-622-01, 10ML RECOVERY FLASK BLANK     | 230239      | Each     | 3/1/2020       | na                   | 3.650              | 5.860    | 0.000  |

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## Approved Service Center Rates

### Chemistry (0042)

### Chemistry - Glass Shop

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

**Manager: Geno Iannaccone**

**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     | 3/1/2020       | na                   | 5.000              | 8.030    | 0.000  |
| CG-622-03, 50ML RECOVERY FLASK BLANK  | 230239      | Each     | 3/1/2020       | na                   | 5.800              | 9.310    | 0.000  |
| CG-622-04, 100ML RECOVERY FLASK BLANK | 230239      | Each     | 3/1/2020       | na                   | 6.700              | 10.750   | 0.000  |
| CG-622-05, 200ML RECOVERY FLASK BLANK | 230239      | Each     | 3/1/2020       | na                   | 10.630             | 17.060   | 0.000  |
| CG-622-06, 500ML RECOVERY FLASK BLANK | 230239      | Each     | 3/1/2020       | na                   | 12.950             | 20.780   | 0.000  |
| CG-623-01, 250ML FILTER FLASK         | 230239      | Each     | 3/1/2020       | na                   | 11.230             | 18.020   | 0.000  |
| CG-623-02, 500ML FILTER FLASK         | 230239      | Each     | 3/1/2020       | na                   | 14.530             | 23.320   | 0.000  |
| CG-623-03, 1000ML FILTER FLASK        | 230239      | Each     | 3/1/2020       | na                   | 21.680             | 34.800   | 0.000  |
| CGB 117-03 19/22 drip jt uncut        | 230239      | Each     | 3/1/2020       | na                   | 5.300              | 8.510    | 0.000  |
| CGB-100-06, 24/40 INNER JOINT         | 230239      | Each     | 3/1/2020       | na                   | 4.250              | 6.820    | 0.000  |
| CGB-100-07, 29/42 INNER JOINT         | 230239      | Each     | 3/1/2020       | na                   | 5.800              | 9.310    | 0.000  |
| CGB-100-08, 34/45 INNER JOINT         | 230239      | Each     | 3/1/2020       | na                   | 7.650              | 12.280   | 0.000  |
| CGB-100-09, 40/50 INNER JOINT         | 230239      | Each     | 3/1/2020       | na                   | 10.050             | 16.130   | 0.000  |
| CGB-100-10, 45/50 INNER JOINT         | 230239      | Each     | 3/1/2020       | na                   | 11.150             | 17.900   | 0.000  |
| CGB-100-12, 55/50 INNER JOINT         | 230239      | Each     | 3/1/2020       | na                   | 14.750             | 23.670   | 0.000  |
| CGB-101-06, 24/40 OUTER JOINT         | 230239      | Each     | 3/1/2020       | na                   | 4.200              | 6.740    | 0.000  |
| CGB-101-07, 29/42 OUTER JOINT         | 230239      | Each     | 3/1/2020       | na                   | 5.600              | 8.990    | 0.000  |
| CGB-101-08, 34/45 OUTER JOINT         | 230239      | Each     | 3/1/2020       | na                   | 8.500              | 13.640   | 0.000  |
| CGB-101-10, 45/50 OUTER JOINT         | 230239      | Each     | 3/1/2020       | na                   | 11.400             | 18.300   | 0.000  |
| CGB-101-12, 55/50 OUTER JOINT         | 230239      | Each     | 3/1/2020       | na                   | 15.050             | 24.160   | 0.000  |

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## Approved Service Center Rates

**Chemistry (0042)**

### Chemistry - Glass Shop

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

**Manager: Geno Iannaccone**

**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     | 3/1/2020       | na                   | 4.300              | 6.900    | 0.000  |
| CGB-104-08, 14/20 INNER JOINT       | 230239      | Each     | 3/1/2020       | na                   | 4.100              | 6.580    | 0.000  |
| CGB-104-09, 19/22 INNER JOINT       | 230239      | Each     | 3/1/2020       | na                   | 4.400              | 7.060    | 0.000  |
| CGB-105-04, 10/18 OUTER JOINT       | 230239      | Each     | 3/1/2020       | na                   | 4.250              | 6.820    | 0.000  |
| CGB-105-06, 14/20 OUTER JOINT       | 230239      | Each     | 3/1/2020       | na                   | 4.300              | 6.900    | 0.000  |
| CGB-105-07, 19/22 OUTER JOINT       | 230239      | Each     | 3/1/2020       | na                   | 4.600              | 7.380    | 0.000  |
| CGB-117-01, 14/20 DRIP TIP UNCUT    | 230239      | Each     | 3/1/2020       | na                   | 4.950              | 7.940    | 0.000  |
| CGB-117-13, 24/40 DRIP TIP UNCUT    | 230239      | Each     | 3/1/2020       | na                   | 6.900              | 11.070   | 0.000  |
| CGB-120-06, 18/9 BALL JOINT         | 230239      | Each     | 3/1/2020       | na                   | 5.600              | 8.990    | 0.000  |
| CGB-120-08, 28/15 BALL JOINT        | 230239      | Each     | 3/1/2020       | na                   | 5.650              | 9.070    | 0.000  |
| CGB-120-09, 35/20 BALL JOINT        | 230239      | Each     | 3/1/2020       | na                   | 8.750              | 14.040   | 0.000  |
| CGB-120-10, 35/25 BALL JOINT        | 230239      | Each     | 3/1/2020       | na                   | 7.200              | 11.560   | 0.000  |
| CGB-121-06, 18/9 SOCKET JOINT       | 230239      | Each     | 3/1/2020       | na                   | 5.050              | 8.110    | 0.000  |
| CGB-121-08, 28/15 SOCKET JOINT      | 230239      | Each     | 3/1/2020       | na                   | 6.300              | 10.110   | 0.000  |
| CGB-121-09, 35/20 SOCKET JOINT      | 230239      | Each     | 3/1/2020       | na                   | 7.050              | 11.320   | 0.000  |
| CGB-121-10, 35/25 SOCKET JOINT      | 230239      | Each     | 3/1/2020       | na                   | 7.050              | 11.320   | 0.000  |
| CGB-125-01, #9 OUTER STOPPER JOINT  | 230239      | Each     | 3/1/2020       | na                   | 5.250              | 8.430    | 0.000  |
| CGB-125-02, #13 OUTER STOPPER JOINT | 230239      | Each     | 3/1/2020       | na                   | 5.400              | 8.670    | 0.000  |
| CGB-125-03, #16 OUTER STOPPER JOINT | 230239      | Each     | 3/1/2020       | na                   | 5.650              | 9.070    | 0.000  |
| CGB-125-04, #19 OUTER STOPPER JOINT | 230239      | Each     | 3/1/2020       | na                   | 6.450              | 10.350   | 0.000  |

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## Approved Service Center Rates

### Chemistry (0042)

### Chemistry - Glass Shop

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

**Manager: Geno Iannaccone**

**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     | 3/1/2020       | na                   | 6.600              | 10.590   | 0.000  |
| CGB-125-06, #27 OUTER STOPPER JOINT | 230239      | Each     | 3/1/2020       | na                   | 6.700              | 10.750   | 0.000  |
| CGB-125-09, #38 OUTER STOPPER JOINT | 230239      | Each     | 3/1/2020       | na                   | 10.050             | 16.130   | 0.000  |
| CGB-170-05, 24/40 RODAVISS INNER    | 230239      | Each     | 3/1/2020       | na                   | 5.650              | 9.070    | 0.000  |
| CGB-172-05, 24/40 RODAVISS OUTER    | 230239      | Each     | 3/1/2020       | na                   | 6.800              | 10.910   | 0.000  |
| CGB-201-01, 10MM FRITTED DISC F     | 230239      | Each     | 3/1/2020       | na                   | 4.700              | 7.540    | 0.000  |
| CGB-201-02, 10MM FRITTED DISC M     | 230239      | Each     | 3/1/2020       | na                   | 4.350              | 6.980    | 0.000  |
| CGB-201-03, 10MM FRITTED DISC C     | 230239      | Each     | 3/1/2020       | na                   | 4.350              | 6.980    | 0.000  |
| CGB-201-05, 12MM FRITTED DISC F     | 230239      | Each     | 3/1/2020       | na                   | 5.000              | 8.030    | 0.000  |
| CGB-201-06, 12MM FRITTED DISC M     | 230239      | Each     | 3/1/2020       | na                   | 4.350              | 6.980    | 0.000  |
| CGB-201-07, 12MM FRITTED DISC C     | 230239      | Each     | 3/1/2020       | na                   | 4.350              | 6.980    | 0.000  |
| CGB-201-09, 15MM FRITTED DISC F     | 230239      | Each     | 3/1/2020       | na                   | 5.000              | 8.030    | 0.000  |
| CGB-201-10, 15MM FRITTED DISC M     | 230239      | Each     | 3/1/2020       | na                   | 4.800              | 7.700    | 0.000  |
| CGB-201-11, 15MM FRITTED DISC C     | 230239      | Each     | 3/1/2020       | na                   | 4.800              | 7.700    | 0.000  |
| CGB-201-13, 20MM FRITTED DISC F     | 230239      | Each     | 3/1/2020       | na                   | 6.250              | 10.030   | 0.000  |
| CGB-201-14, 20MM FRITTED DISC M     | 230239      | Each     | 3/1/2020       | na                   | 5.450              | 8.750    | 0.000  |
| CGB-201-15, 20MM FRITTED DISC C     | 230239      | Each     | 3/1/2020       | na                   | 5.450              | 8.750    | 0.000  |
| CGB-201-17, 25MM FITTED DISC F      | 230239      | Each     | 3/1/2020       | na                   | 7.350              | 11.800   | 0.000  |
| CGB-201-18, 25MM FRITTED DISC M     | 230239      | Each     | 3/1/2020       | na                   | 6.300              | 10.110   | 0.000  |
| CGB-201-19, 25MM FRITTED DISC C     | 230239      | Each     | 3/1/2020       | na                   | 5.450              | 8.750    | 0.000  |

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## Approved Service Center Rates

**Chemistry (0042)**

### Chemistry - Glass Shop

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

**Manager: Geno Iannaccone**

**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     | 3/1/2020       | na                   | 8.500              | 13.640   | 0.000  |
| CGB-201-22, 30MM FRITTED DISC M    | 230239      | Each     | 3/1/2020       | na                   | 6.750              | 10.830   | 0.000  |
| CGB-201-23, 30MM FRITTED DISC C    | 230239      | Each     | 3/1/2020       | na                   | 6.750              | 10.830   | 0.000  |
| CGB-201-25, 35MM FRITTED DISC F    | 230239      | Each     | 3/1/2020       | na                   | 8.950              | 14.360   | 0.000  |
| CGB-201-26, 35MM FRITTED DISC M    | 230239      | Each     | 3/1/2020       | na                   | 8.100              | 13.000   | 0.000  |
| CGB-201-27, 35MM FRITTED DISC C    | 230239      | Each     | 3/1/2020       | na                   | 8.150              | 13.080   | 0.000  |
| CGB-201-28, 35MM FRITTED DISC XC   | 230239      | Each     | 3/1/2020       | na                   | 8.350              | 13.400   | 0.000  |
| CGB-201-29, 40MM FRITTED DISC F    | 230239      | Each     | 3/1/2020       | na                   | 10.950             | 17.570   | 0.000  |
| CGB-201-30, 40MM FRITTED DISC M    | 230239      | Each     | 3/1/2020       | na                   | 9.750              | 15.650   | 0.000  |
| CGB-201-31, 40 MM FRITTED DISC C   | 230239      | Each     | 3/1/2020       | na                   | 10.150             | 16.290   | 0.000  |
| CGB-301-02, 4 RING HOSE CONNECTION | 230239      | Each     | 3/1/2020       | na                   | 2.240              | 3.600    | 0.000  |
| CGB-360-01, #7 INTERNAL THREAD     | 230239      | Each     | 3/1/2020       | na                   | 5.600              | 8.990    | 0.000  |
| CGB-360-02, #11 INTERNAL THREAD    | 230239      | Each     | 3/1/2020       | na                   | 6.950              | 11.150   | 0.000  |
| CGB-360-03, 15 INTERNAL THREAD     | 230239      | Each     | 3/1/2020       | na                   | 7.650              | 12.280   | 0.000  |
| CGB-360-05, 25 INTERNAL THREAD     | 230239      | Each     | 3/1/2020       | na                   | 9.250              | 14.850   | 0.000  |
| CGB-400-02, 2MM GLASS STOPCOCK     | 230239      | Each     | 3/1/2020       | na                   | 20.550             | 32.980   | 0.000  |
| CGB-400-04, 4MM GLASS STOPCOCK     | 230239      | Each     | 3/1/2020       | na                   | 22.950             | 36.830   | 0.000  |
| CGB-424-03, 2MM TEFLON STOPCOCK    | 230239      | Each     | 3/1/2020       | na                   | 19.950             | 32.020   | 0.000  |

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## Approved Service Center Rates

**Chemistry (0042)**

### Chemistry - Glass Shop

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

**Manager: Geno Iannaccone**

**Cost Accountant: Dana Danis**

|  | Banner Fund | Rate Per | Effective Date | Min/Max (in Dollars) | RATES (in Dollars) |          |         |
|--|-------------|----------|----------------|----------------------|--------------------|----------|---------|
|  |             |          |                |                      | Internal           | External | Market  |
| CGB-424-05, 4MM TEFLON STOPCOCK              | 230239      | Each     | 3/1/2020       | na                   | 25.200             | 40.450   | 0.000   |
| CGB-424-07, 6MM TEFLON STOPCOCK              | 230239      | Each     | 3/1/2020       | na                   | 29.950             | 48.070   | 0.000   |
| CGB-428-01, 2MM TEFLON STOPCOCK 1 ARM LARGER | 230239      | Each     | 3/1/2020       | na                   | 20.550             | 32.980   | 0.000   |
| CGB-428-02, 4MM TEFLON STOPCOCK 1 ARM LARGER | 230239      | Each     | 3/1/2020       | na                   | 26.200             | 42.050   | 0.000   |
| CGB-428-03, 6MM TEFLON STOPCOCK 1 ARM LARGER | 230239      | Each     | 3/1/2020       | na                   | 30.500             | 48.950   | 0.000   |
| CGB-960-01, 0-4MM CHEMVAC VALVE              | 230239      | Each     | 3/1/2020       | na                   | 24.850             | 39.880   | 0.000   |
| CGB-960-02, 0-8MM CHEMVAC VALVE              | 230239      | Each     | 3/1/2020       | na                   | 33.550             | 53.850   | 0.000   |
| CGB-960-03, 0-12MM CHEMVAC VALVE             | 230239      | Each     | 3/1/2020       | na                   | 37.100             | 59.550   | 0.000   |
| CGK-560-01, 0-4MM KONTES STYLE VALVE         | 230239      | Each     | 3/1/2020       | na                   | 27.800             | 44.620   | 0.000   |
| Charge per hour                              | Glass Shop  | Hour     | 3/1/2020       | na                   | 43.000             | 69.000   | 136.000 |

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# Approved Service Center Rates

**Chemistry (0042)**

## **Chemistry - NMR Lab**

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

**Manager: Geno Iannaccone**

**Cost Accountant: Dana Danis**

|         | Banner Fund | Rate Per | Effective Date | Min/Max (in Dollars) | RATES (in Dollars) |          |         |
|---------|-------------|----------|----------------|----------------------|--------------------|----------|---------|
|         |             |          |                |                      | Internal           | External | Market  |
| NMR Lab | 230107      | Hour     | 10/1/2019      | na                   | 9.900              | 15.800   | 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: Geno Iannaccone**

**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%)<br>DLM-9 10X1g         | 230242      | 1 pack   | 3/6/2020       | na                   | 20.200             | 0.000    | 0.000  |
|                 | DET-250 Acetonitrile-d3 (d, 99.8%)<br>DLM-21, 10X1g  | 230242      | 1 pack   | 9/18/2019      | na                   | 23.320             | 0.000    | 0.000  |
|                 | DET-255 Benzene-d6 (d, 99.5%)<br>DLM-1               | 230242      | 50 gm    | 4/16/2019      | na                   | 96.700             | 0.000    | 0.000  |
|                 | DET-260 Chloroform-d (d, 99.8%)<br>DLM-7             | 230242      | 100 gm   | 1/29/2020      | na                   | 12.200             | 0.000    | 0.000  |
|                 | DET-265 Chloroform-d (d, 99.8%)<br>DLM-7, - TBW/TMS  | 230242      | 100 gm   | 3/10/2020      | na                   | 12.200             | 0.000    | 0.000  |
|                 | DET-270 Deuterium Oxide (d, 99.9%)<br>DLM-4          | 230242      | 100 gm   | 2/11/2020      | na                   | 60.200             | 0.000    | 0.000  |
|                 | DET-275 Dimethyl Sulfoxide-d6 (d, 99.9%)<br>DLM-10 ( | 230242      | 50 gm    | 3/13/2020      | na                   | 76.200             | 0.000    | 0.000  |
|                 | DET-280 Methanol-d4 (d, 99.8%)<br>DLM-24, 10X1g      | 230242      | 1 pack   | 3/10/2020      | na                   | 36.200             | 0.000    | 0.000  |
|                 | DET-281 Methanol d25g                                | 230242      | d25g     | 1/29/2020      | na                   | 90.200             | 0.000    | 0.000  |
|                 | DET-285 Methylene Chloride-02 (d, 99.9%)<br>DLM-23 1 | 230242      | 10 gm    | 4/16/2018      | na                   | 36.640             | 0.000    | 0.000  |
|                 | DET-290 1,1,2-tetrachloroethane-d2 (d, 99.6%)<br>DLM | 230242      | 5 gm     | 4/16/2018      | na                   | 40.200             | 0.000    | 0.000  |
|                 | DET-295 Tetrahydrofuran-d8 (d, 99.5%)<br>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%)<br>DLM-46  | 230242      | 10 gm    | 4/16/2018      | na                   | 27.200             | 0.000    | 0.000  |

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## Approved Service Center Rates

**Chemistry (0042)**

### Chemistry - Research Stockroom

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

**Manager: Geno Iannaccone**

**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        | 2/6/2020             | na                 | 20.790   | 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        | 2/11/2020            | na                 | 42.610   | 0.000  | 0.000 |
|          | SOL-115 Ammonium Hydroxide                    | 230242   | 2.5 Liter      | 10/31/2019           | na                 | 26.930   | 0.000  | 0.000 |
|          | SOL-120 Chloroform                            | 230242   | 4 Liter        | 7/17/2019            | na                 | 50.960   | 0.000  | 0.000 |
|          | SOL-121 Choloroform HPLC 4L                   | 230242   | 4 Liters       | 3/25/2020            | na                 | 66.490   | 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        | 3/6/2020             | na                 | 27.190   | 0.000  | 0.000 |
|          | SOL-131 Dichloromethane 20L                   | 230242   | Each           | 1/10/2020            | na                 | 109.900  | 0.000  | 0.000 |
|          | SOL-135 Ethanol 100%                          | 230242   | 4 Liter        | 3/10/2020            | na                 | 18.870   | 0.000  | 0.000 |
|          | SOL-140 Ethanol 100%                          | 230242   | 20 Liter       | 3/7/2019             | na                 | 80.480   | 0.000  | 0.000 |
|          | SOL-145 Ethanol 95%                           | 230242   | 4 Liter        | 3/27/2020            | na                 | 17.940   | 0.000  | 0.000 |
|          | SOL-150 Ethanol 95%                           | 230242   | 20 Liter       | 3/27/2020            | na                 | 73.110   | 0.000  | 0.000 |
|          | SOL-155 Ethyl Acetate                         | 230242   | 4 Liter        | 1/13/2020            | na                 | 24.610   | 0.000  | 0.000 |
|          | SOL-156 Ethyl Acetate 20L                     | 230242   | Each           | 1/13/2020            | na                 | 92.340   | 0.000  | 0.000 |
|          | SOL-160 Ethyl Ether, (absolute)               | 230242   | 4 Liter        | 3/6/2020             | na                 | 64.490   | 0.000  | 0.000 |
|          | SOL-165 Hexanes                               | 230242   | 20 Liter       | 2/11/2020            | na                 | 79.100   | 0.000  | 0.000 |
|          | SOL-170 Hexanes                               | 230242   | 4 Liter        | 1/16/2020            | na                 | 26.870   | 0.000  | 0.000 |
|          | SOL-175 Hydrochloric Acid                     | 230242   | 2.5 Liter      | 2/5/2020             | na                 | 18.850   | 0.000  | 0.000 |
|          | SOL-180 Isopropanol                           | 230242   | 4 Liter        | 2/13/2020            | na                 | 22.900   | 0.000  | 0.000 |
|          | SOL-185 Isopropanol                           | 230242   | 5 Gal          | 2/13/2020            | na                 | 80.070   | 0.000  | 0.000 |
|          | SOL-190 Isopropanol, pumped                   | 230242   | Gallon         | 2/25/2019            | na                 | 13.630   | 0.000  | 0.000 |

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## Approved Service Center Rates

**Chemistry (0042)**

### Chemistry - Research Stockroom

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

**Manager: Geno Iannaccone**

**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   | 2/5/2020       | na                   | 14.580             | 0.000    | 0.000  |
|          | SOL-200 Methanol, pumped              | 230242      | Gallon    | 10/1/2019      | na                   | 6.730              | 0.000    | 0.000  |
|          | SOL-205 N, N Dimethylformamide, (dmf) | 230242      | 4 Liter   | 3/6/2020       | na                   | 77.550             | 0.000    | 0.000  |
|          | SOL-210 Nitric Acid                   | 230242      | 2.5 Liter | 3/17/2020      | na                   | 21.540             | 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   | 2/13/2020      | na                   | 37.360             | 0.000    | 0.000  |
|          | SOL-230 Tetrahydrofuran               | 230242      | 4 Liter   | 3/13/2019      | na                   | 48.960             | 0.000    | 0.000  |
|          | SOL-231 Tetrahydrofuran 4L O          | 230242      | 4 Liter   | 2/13/2020      | na                   | 41.610             | 0.000    | 0.000  |
|          | SOL-235 Toluene                       | 230242      | 4 Liter   | 3/13/2019      | na                   | 20.680             | 0.000    | 0.000  |
|          | SOL-240 Water                         | 230242      | 4 Liter   | 3/17/2020      | na                   | 25.420             | 0.000    | 0.000  |
|          | SOL-95 Acetic Acid Glacial ACS 2 1/2L | 230242      | Each      | 10/16/2019     | na                   | 23.680             | 0.000    | 0.000  |
| Supplies | BOT-415 Bottle - plastic              | 230242      | Each      | 8/14/2019      | na                   | 8.020              | 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      | 3/8/2019       | na                   | 45.690             | 0.000    | 0.000  |
|          | GLA-375 Glass Disp Box, Floor VWR     | 230242      | Each      | 2/5/2020       | na                   | 6.250              | 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       | 3/25/2020      | na                   | 8.980              | 0.000    | 0.000  |
|          | GLO-331 Gloves Nitrile xs             | 230242      | Box       | 5/9/2018       | na                   | 9.110              | 0.000    | 0.000  |

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## Approved Service Center Rates

**Chemistry (0042)**

### Chemistry - Research Stockroom

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

**Manager: Geno Iannaccone**

**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      | 1/31/2020      | na                   | 8.980              | 0.000    | 0.000  |
|          | GLO-340 GLV, Nitrile, Large                    | 230242      | Box      | 2/5/2020       | na                   | 8.980              | 0.000    | 0.000  |
|          | GLO-345 GLV, Nitrile, X-large                  | 230242      | Box      | 6/19/2019      | na                   | 8.880              | 0.000    | 0.000  |
|          | GLO-350 Gloves Neuthera Nitrile XS             | 230242      | Box      | 4/16/2018      | na                   | 12.030             | 0.000    | 0.000  |
|          | GLO-355 Gloves Neuthera Nitrile S              | 230242      | Box      | 4/16/2018      | na                   | 12.020             | 0.000    | 0.000  |
|          | GLO-360 Gloves Neuthera Nitrile M              | 230242      | Box      | 2/13/2020      | na                   | 14.750             | 0.000    | 0.000  |
|          | GLO-365 Gloves Neuthera Nitrile L              | 230242      | Box      | 2/13/2020      | na                   | 14.750             | 0.000    | 0.000  |
|          | GLO-370 Gloves Neuthera Nitrile XL             | 230242      | Box      | 12/5/2019      | na                   | 14.160             | 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     | 5/31/2019      | na                   | 5.810              | 0.000    | 0.000  |
|          | GOG-470 Safety Goggles                         | 230242      | Each     | 7/8/2019       | na                   | 2.820              | 0.000    | 0.000  |
|          | KIM-460 Kimwipes, small (1 pack of 280 sheets) | 230242      | Pack     | 9/20/2019      | na                   | 3.680              | 0.000    | 0.000  |
|          | KIM-465 Kimwipes, large (1 pack of 140 sheets) | 230242      | Pack     | 9/20/2019      | na                   | 10.390             | 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     | 3/25/2020      | na                   | 2.520              | 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      | 1/9/2020       | na                   | 10.460             | 0.000    | 0.000  |

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## Approved Service Center Rates

**Chemistry (0042)**

### Chemistry - Research Stockroom

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

**Manager: Geno Iannaccone**

**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      | 2/5/2020       | na                   | 12.320             | 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     | 3/7/2019       | na                   | 23.400             | 0.000    | 0.000  |
|          | POW-395 Sodium Bicarbonate, 500g             | 230242      | Each     | 4/25/2019      | na                   | 21.170             | 0.000    | 0.000  |
|          | POW-400 Sodium Chloride, 500g                | 230242      | Each     | 7/23/2019      | na                   | 20.740             | 0.000    | 0.000  |
|          | POW-405 Sod Hydrox, Pellets, RE 500 G CS4    | 230242      | Each     | 7/10/2019      | na                   | 18.220             | 0.000    | 0.000  |
|          | POW-410 Sod Sulfate, 500g                    | 230242      | Each     | 8/27/2019      | na                   | 25.130             | 0.000    | 0.000  |
|          | RBF-100-24/40 Round Bottom Flasks            | 230242      | Each     | 5/31/2019      | na                   | 7.380              | 0.000    | 0.000  |
|          | RBF-250-24/40 Round Bottom Flasks            | 230242      | Each     | 1/29/2019      | na                   | 15.480             | 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                   | 7.280              | 0.000    | 0.000  |
|          | SEP-420 24/40 Septa, pack = 100 eaches       | 230242      | Pack     | 11/11/2019     | na                   | 29.430             | 0.000    | 0.000  |
|          | SEP-425 14/20 White Septa, pack = 100 eaches | 230242      | Pack     | 3/25/2020      | na                   | 24.130             | 0.000    | 0.000  |
|          | SYR-430 1 ML Disposable Syringe - 100 each   | 230242      | Pack     | 1/15/2020      | na                   | 19.750             | 0.000    | 0.000  |
|          | SYR-435 3 ML Disposable Syringe - 100 each   | 230242      | Pack     | 3/10/2020      | na                   | 11.030             | 0.000    | 0.000  |

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## Approved Service Center Rates

**Chemistry (0042)**

### Chemistry - Research Stockroom

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

**Manager: Geno Iannaccone**

**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     | 3/10/2020      | na                   | 26.030             | 0.000    | 0.000  |
|          | SYR-445 10 ML Disposable Syringe - 100 each | 230242      | Pack     | 1/17/2020      | na                   | 25.800             | 0.000    | 0.000  |
|          | VIA-350 Vial 1 Dram VWR                     | 230242      | Pack     | 3/20/2020      | na                   | 25.100             | 0.000    | 0.000  |
|          | VIA-355 Vial 2 Dram VWR                     | 230242      | Pack     | 3/9/2020       | na                   | 28.770             | 0.000    | 0.000  |
|          | VIA-360 Vial 6 Dram VWR                     | 230242      | Pack     | 1/15/2020      | na                   | 20.730             | 0.000    | 0.000  |
|          | VIATEF-351 VIAL TEFLON CAP 1 DRAM           | 230242      | Pack     | 3/8/2019       | na                   | 45.800             | 0.000    | 0.000  |
|          | VIATEF-361 VIAL TEFLON CAP 6 DRAM           | 230242      | Pack     | 3/8/2019       | na                   | 64.960             | 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: Geno Iannaccone**

**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  | 6/1/2019       | na                   | 13.100             | 21.100   | 50.000  |
|           | Single Crystal Diffraction | 230276      | Dataset  | 6/1/2019       | na                   | 38.700             | 62.300   | 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: Geno Iannaccone**

**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     | 5/1/2020       | na                   | 35.000             | 56.000   | 150.000 |

## 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: Nancy Ritter**

|                     |            | Banner Fund | Rate Per | Effective Date | Min/Max (in Dollars) | RATES (in Dollars) |          |         |
|---------------------|------------|-------------|----------|----------------|----------------------|--------------------|----------|---------|
|                     |            |             |          |                |                      | Internal           | External | Market  |
| Metals Analysis     | Assisted   | 230007      | Sample   | 11/1/2019      | na                   | 5.000              | 8.000    | 0.000   |
|                     | Technician | 230007      | Hour     | 11/1/2019      | na                   | 52.000             | 83.500   | 0.000   |
|                     | Unassisted | 230007      | Sample   | 11/1/2019      | na                   | 1.000              | 0.000    | 0.000   |
| Metals Analysis Kit | 2 Tests    | 230007      | ea       | 11/1/2019      | na                   | 4.000              | 6.400    | 0.000   |
|                     | 3 Tests    | 230007      | ea       | 11/1/2019      | na                   | 5.000              | 8.000    | 0.000   |
|                     | 4 Tests    | 230007      | ea       | 11/1/2019      | na                   | 5.000              | 8.000    | 0.000   |
| Pipe                |            | 230007      | ea       | 11/1/2019      | na                   | 55.000             | 88.300   | 125.000 |
| Pipe w/testing      |            | 230007      | ea       | 11/1/2019      | na                   | 131.000            | 210.300  | 250.000 |

## 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: Dana Danis**

|              | Banner Fund | Rate Per | Effective Date | Min/Max (in Dollars) | RATES (in Dollars) |          |        |
|--------------|-------------|----------|----------------|----------------------|--------------------|----------|--------|
|              |             |          |                |                      | Internal           | External | Market |
| Parasitology | 230061      | Per Test | 12/1/2019      | na                   | 1.200              | 1.900    | 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: Braelyn Simpson**

|                                    | 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: Dana Danis**

|      | Banner Fund | Rate Per | Effective Date | Min/Max (in Dollars) | RATES (in Dollars) |          |        |
|------|-------------|----------|----------------|----------------------|--------------------|----------|--------|
|      |             |          |                |                      | Internal           | External | Market |
| eBee | 230077      | Minute   | 7/1/2019       | na                   | 2.200              | 3.540    | 0.000  |
| Solo | 230077      | Minute   | 7/1/2019       | na                   | 2.100              | 3.380    | 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: Melanie Rader**

**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 | 9/1/2019       | na                   | 3.890              | 0.000    | 0.000  |
|                 | 24" Plain Paper | 230032      | Running Foot | 9/1/2019       | na                   | 2.800              | 0.000    | 0.000  |
|                 | 36" Photo Paper | 230032      | Running Foot | 9/1/2019       | na                   | 4.230              | 0.000    | 0.000  |
|                 | 36" Plain Paper | 230032      | Running Foot | 9/1/2019       | na                   | 2.920              | 0.000    | 0.000  |
|                 | 42" Plain Paper | 230032      | Running Foot | 9/1/2019       | na                   | 2.970              | 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: Braelyn Simpson**

|                                 | Banner Fund | Rate Per | Effective Date | Min/Max (in Dollars) | RATES (in Dollars) |          |        |
|---------------------------------|-------------|----------|----------------|----------------------|--------------------|----------|--------|
|                                 |             |          |                |                      | Internal           | External | Market |
| 43267S, 2012 Ford F550          | 230028      | Mile     | 5/1/2019       | na                   | 1.070              | 0.000    | 0.000  |
| 65575S, 2014 Ford F350 Crew 4X4 | 230028      | Mile     | 5/1/2019       | na                   | 0.710              | 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: Braelyn Simpson**

|                                | 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     | 5/1/2019       | 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: Braelyn Simpson**

|                                  | 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: Braelyn Simpson**

|                    | 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: Braelyn Simpson**

|                         | 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: Braelyn Simpson**

|                         | Banner Fund | Rate Per | Effective Date | Min/Max (in Dollars) | RATES (in Dollars) |          |        |
|-------------------------|-------------|----------|----------------|----------------------|--------------------|----------|--------|
|                         |             |          |                |                      | Internal           | External | Market |
| 71-511S, 2017 Ford F250 | 230275      | Mile     | 5/1/2019       | na                   | 1.000              | 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 | 4/1/2020       | na                   | 9.500              | 0.000    | 0.000  |
| HPLC     | 230120      | per sample | 4/1/2020       | na                   | 14.000             | 0.000    | 0.000  |
| LC/MS/MS | 230120      | per sample | 4/1/2020       | na                   | 32.000             | 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     | 5/1/2019       | 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: Dana Danis**

|                 | Banner Fund | Rate Per | Effective Date | Min/Max (in Dollars) | RATES (in Dollars) |          |        |
|-----------------|-------------|----------|----------------|----------------------|--------------------|----------|--------|
|                 |             |          |                |                      | Internal           | External | Market |
| Sample Analysis | 230286      | Sample   | 7/1/2019       | na                   | 5.920              | 9.530    | 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  | 5/1/2019       | na                   | 0.120              | 0.200    | 0.000  |
| Solution | 230004      | Element  | 5/1/2019       | 20.00 - 40.00        | 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   | 6/1/2019       | na                   | 6.600              | 10.600   | 0.000  |
| Expedited Service Base Cost  | 230038      | Base     | 6/1/2019       | na                   | 303.100            | 488.000  | 0.000  |
| Expedited Service Per Sample | 230038      | Sample   | 6/1/2019       | 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: Dana Danis**

|                 | Banner Fund | Rate Per | Effective Date | Min/Max (in Dollars) | RATES (in Dollars) |          |        |
|-----------------|-------------|----------|----------------|----------------------|--------------------|----------|--------|
|                 |             |          |                |                      | Internal           | External | Market |
| Sample Analysis | 230273      | Sample   | 7/1/2019       | na                   | 3.060              | 4.920    | 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: Nancy Ritter

|                  | 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              | 14.070   | 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: Nancy Ritter

|                   | 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 | 3/1/2020       | -                    | 2.200              |          |        |



## 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: Nancy Ritter**

|  | Banner Fund | Rate Per | Effective Date | Min/Max (in Dollars) | RATES (in Dollars) |          |        |
|--|-------------|----------|----------------|----------------------|--------------------|----------|--------|
|  |             |          |                |                      | Internal           | External | Market |
| MCR04, PTL Mask Aligner & Photolith Bench            | 230536      | Hour     | 11/1/2019      | na                   | 50.000             | 80.000   | 0.000  |
| MCR05, TFD Lesker E-Beam Evaporation                 | 230536      | Hour     | 11/1/2019      | na                   | 28.000             | 45.000   | 0.000  |
| MCR06, TFD Thermionics E-Beam                        | 230536      | Hour     | 11/1/2019      | na                   | 30.000             | 48.000   | 0.000  |
| MCR07, TFD Plasma-Enhanced Chemical Vapor Deposition | 230536      | Hour     | 11/1/2019      | na                   | 110.000            | 177.000  | 0.000  |
| MCR08, TFD Atomic Layer Deposition                   | 230536      | Hour     | 11/1/2019      | na                   | 18.000             | 29.000   | 0.000  |
| MCR09, PESc Deep Reactive Ion Etching                | 230536      | Hour     | 11/1/2019      | na                   | 200.000            | 321.000  | 0.000  |
| MCR10, PESc High-Density Reactive Ion Etching        | 230536      | Hour     | 11/1/2019      | na                   | 100.000            | 161.000  | 0.000  |
| MCR11, PESc Low-Density Reactive Ion Etching         | 230536      | Hour     | 11/1/2019      | na                   | 60.000             | 96.000   | 0.000  |
| MCR12, TP Silicon Oxidation & Diffusion              | 230536      | Hour     | 11/1/2019      | na                   | 75.000             | 121.000  | 0.000  |
| MCR13, TP Rapid Thermal Annealing                    | 230536      | Hour     | 11/1/2019      | na                   | 92.000             | 148.000  | 0.000  |
| MCR14, TP Metal Contact Annealing                    | 230536      | Hour     | 11/1/2019      | na                   | 50.000             | 80.000   | 0.000  |
| MCR15, MIDP Wafer Bonding                            | 230536      | Hour     | 11/1/2019      | na                   | 64.000             | 103.000  | 0.000  |
| MCR16, MIDP Wafer Dicing & Device Singulation        | 230536      | Hour     | 11/1/2019      | na                   | 40.000             | 64.000   | 0.000  |
| MCR17, Woollam Spectroscopic Ellipsometer            | 230536      | Hour     | 11/1/2019      | na                   | 20.000             | 32.000   | 0.000  |
| MCR18, Crosslight Softward Pkg                       | 230536      | Hour     | 11/1/2019      | na                   | 20.000             | 32.000   | 0.000  |
| MCR19, Bruker Atomic Force Microscope                | 230536      | Hour     | 11/1/2019      | na                   | 22.000             | 35.000   | 0.000  |
| MCR20, Shimadzu Spectrophotometer                    | 230536      | Hour     | 11/1/2019      | na                   | 10.000             | 16.000   | 0.000  |

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*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: Nancy Ritter**

|  | Banner Fund | Rate Per | Effective Date | Min/Max (in Dollars) | RATES (in Dollars) |          |        |
|--|-------------|----------|----------------|----------------------|--------------------|----------|--------|
|  |             |          |                |                      | Internal           | External | Market |
| MCR21, Accent Electrochemical CV Profiler  | 230536      | Hour     | 11/1/2019      | na                   | 10.000             | 16.000   | 0.000  |
| MCR22, METROL Semiconductor Device Testing | 230536      | Hour     | 11/1/2019      | na                   | 40.000             | 64.000   | 0.000  |
| MCR23, TFD KJL Reactor                     | 230536      | Hour     | 11/1/2019      | na                   | 75.000             | 120.000  | 0.000  |
| MCR24, TFD KJL DC/RF Sputter               | 230536      | Hour     | 11/1/2019      | na                   | 59.000             | 95.000   | 0.000  |
| MCR25, KS Wire Bonder                      | 230536      | Hour     | 11/1/2019      | na                   | 60.000             | 96.000   | 0.000  |
| MCR26, HRXRD Instrument                    | 230536      | Hour     | 11/1/2019      | na                   | 0.000              | 0.000    | 0.000  |
| MCR27, Thermal Vacuum                      | 230536      | Hour     | 11/1/2019      | na                   | 15.000             | 24.000   | 0.000  |
| MCR617, Lab Access, W617                   | 230536      | Hour     | 11/1/2019      | na                   | 3.000              | 5.000    | 0.000  |
| MCR633, Lab Access, W633                   | 230536      | Hour     | 11/1/2019      | na                   | 16.000             | 26.000   | 0.000  |
| MCR636, Lab Access, W636                   | 230536      | Hour     | 11/1/2019      | na                   | 16.000             | 26.000   | 0.000  |
| MCRFM, Technician #1                       | 230536      | Hour     | 11/1/2019      | na                   | 38.000             | 61.000   | 0.000  |
| MCRFM, Technician #2                       | 230536      | Hour     | 11/1/2019      | na                   | 41.000             | 66.000   | 0.000  |
| MCRFM, Technician #3                       | 230536      | Hour     | 11/1/2019      | na                   | 15.000             | 24.000   | 0.000  |
| MCRLD, Lab Director                        | 230536      | Hour     | 11/1/2019      | na                   | 68.000             | 109.000  | 0.000  |
| MCRLM, Facility Manager                    | 230536      | Hour     | 11/1/2019      | na                   | 58.000             | 93.000   | 0.000  |

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## 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: Braelyn Simpson**

|                             | Banner Fund | Rate Per | Effective Date | Min/Max (in Dollars) | RATES (in Dollars) |          |        |
|-----------------------------|-------------|----------|----------------|----------------------|--------------------|----------|--------|
|                             |             |          |                |                      | Internal           | External | Market |
| 50-112S, 2005 Ford F150     | 230254      | Mile     | 4/1/2019       | na                   | 0.390              | 0.000    | 0.000  |
| 55-089S, 2007 Ford Explorer | 230254      | Mile     | 4/1/2019       | na                   | 0.210              | 0.000    | 0.000  |
| 65-551S, 2013 Ford F150     | 230254      | Mile     | 4/1/2019       | na                   | 0.390              | 0.000    | 0.000  |
| 69-987S 2016 Ford F150      | 230254      | Mile     | 4/1/2019       | na                   | 0.390              | 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: Braelyn Simpson**

|            | 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: Braelyn Simpson**

|                                    | 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  |

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## Approved Service Center Rates

### FLSI - Mass Spectrometry Incubator (0358)

### Mass Spectrometry Incubator

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

**Manager:** Kirk Felton

**Cost Accountant:** Diana Alexander

|                                  |   | Banner Fund | Rate Per | Effective Date | Min/Max (in Dollars) | RATES (in Dollars) |           |        |
|----------------------------------|---|-------------|----------|----------------|----------------------|--------------------|-----------|--------|
|                                  |   |             |          |                |                      | Internal           | External  | Market |
| Metabolomics and Small Molecules | LC-MS or LC-MS/MS: quantitative analysis, internal standard | 230588      | Sample   | 1/1/2020       | na                   | 95.000             | 152.000   | 0.000  |
|                                  | LC-MS/MS: survey scan/purity check                          | 230588      | Sample   | 1/1/2020       | na                   | 65.000             | 104.000   | 0.000  |
|                                  | Lipidomics, positive and negative ion modes                 | 230588      | Sample   | 1/1/2020       | na                   | 133.000            | 213.000   | 0.000  |
|                                  | Project Set Up  | 230588      | Hour     | 1/1/2020       | na                   | 78.000             | 125.000   | 0.000  |
|                                  | Untargeted analysis, positive and negative ion modes        | 230588      | Sample   | 1/1/2020       | na                   | 108.000            | 173.000   | 0.000  |
| Proteins and Polymers            | MALDI-TOF/TOF Sample Characterization (non-protein)         | 230588      | Hour     | 1/1/2020       | na                   | 59.000             | 95.000    | 0.000  |
|                                  | Protein Identification by MALDI-TOF/TOF                     | 230588      | Sample   | 1/1/2020       | na                   | 59.000             | 95.000    | 0.000  |
| Proteomics                       | Protein Identification                                      | 230588      | Sample   | 1/1/2020       | na                   | 300.000            | 482.000   | 0.000  |
|                                  | Protein Quantification- Targeted                            | 230588      | Sample   | 1/1/2020       | na                   | 700.000            | 1,124.000 | 0.000  |
|                                  | Protein Quantification- Untargeted                          | 230588      | Sample   | 1/1/2020       | na                   | 650.000            | 1,043.000 | 0.000  |
|                                  | Training/ Document Prep/ Extra Data Analysis                | 230588      | Hour     | 1/1/2020       | na                   | 40.000             | 64.000    | 0.000  |

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## 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  | 2/1/2020       | na                   | 38.000             | 61.000   | 65.000  |
| Nutritional label preparation                     | 230040      | Label    | 2/1/2020       | na                   | 36.000             | 58.000   | 75.000  |
| pH or Redox Potential Test                        | 230040      | Product  | 2/1/2020       | na                   | 22.000             | 35.000   | 40.000  |
| Process verification and process authority letter | 230040      | Product  | 2/1/2020       | na                   | 59.000             | 95.000   | 135.000 |
| Technician  | 230040      | Hour     | 2/1/2020       | na                   | 38.000             | 61.000   | 61.000  |
| Water Activity Test                               | 230040      | Product  | 2/1/2020       | na                   | 24.000             | 39.000   | 45.000  |

## 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: Braelyn Simpson**

|                               | Banner Fund | Rate Per | Effective Date | Min/Max (in Dollars) | RATES (in Dollars) |          |        |
|-------------------------------|-------------|----------|----------------|----------------------|--------------------|----------|--------|
|                               |             |          |                |                      | Internal           | External | Market |
| 2019 Ford F-150               | 230059      | Mile     | 6/1/2019       | na                   | 0.530              | 0.000    | 0.000  |
| 23-786S, 1998 GMC Sierra      | 230059      | Mile     | 6/1/2019       | na                   | 0.530              | 0.000    | 0.000  |
| 48-981S, 2004 Chevy Silverado | 230059      | Mile     | 6/1/2019       | na                   | 0.530              | 0.000    | 0.000  |
| 55-235S, 2007 Chevy Colorado  | 230059      | Mile     | 6/1/2019       | na                   | 0.530              | 0.000    | 0.000  |
| 60-163S, 2010 Ford Explorer   | 230059      | Mile     | 6/1/2019       | na                   | 0.530              | 0.000    | 0.000  |
| 61-748S, 2012 Chevy Colorado  | 230059      | Mile     | 6/1/2019       | na                   | 0.530              | 0.000    | 0.000  |
| 65-558S, 2013 GMC F-350       | 230059      | Mile     | 6/1/2019       | na                   | 0.700              | 0.000    | 0.000  |
| 68-291S, 2015 Ford F-150      | 230059      | Mile     | 6/1/2019       | na                   | 0.530              | 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: Nancy Ritter**

|                     | Banner Fund | Rate Per | Effective Date | Min/Max (in Dollars) | RATES (in Dollars) |          |        |
|---------------------|-------------|----------|----------------|----------------------|--------------------|----------|--------|
|                     |             |          |                |                      | Internal           | External | Market |
| Confocal Microscope | 230208      | Hour     | 4/1/2019       | 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: Mark Caddick**

**Cost Accountant: Nancy Ritter**

|                   | Banner Fund | Rate Per | Effective Date | Min/Max (in Dollars) | RATES (in Dollars) |          |        |
|-------------------|-------------|----------|----------------|----------------------|--------------------|----------|--------|
|                   |             |          |                |                      | Internal           | External | Market |
| EM/SEM Microprobe | 230145      | Hour     | 2/1/2020       | na                   | 40.000             | 64.200   | 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: Nancy Ritter**

|                    |          | Banner Fund | Rate Per | Effective Date | Min/Max (in Dollars) | RATES (in Dollars) |          |         |
|--------------------|----------|-------------|----------|----------------|----------------------|--------------------|----------|---------|
|                    |          |             |          |                |                      | Internal           | External | Market  |
| Laser Ablation Lab | Assisted | 230130      | Day      | 10/1/2019      | na                   | 499.000            | 800.000  | 925.000 |
|                    | Assisted | 230130      | Half Day | 10/1/2019      | na                   | 250.000            | 400.000  | 462.000 |

## 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: Nancy Ritter**

|  | 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   | 11/1/2019      | na                   | 8.000              | 12.800   | 0.000  |
| Process 2 Measurement of the abundance of organic carbon and carbon isotope ratio of organic carbon in solid sample material | 230117      | sample   | 11/1/2019      | na                   | 10.500             | 16.900   | 0.000  |
| Process 3 Measurement of the abundance of nitrogen and nitrogen isotope ratio in sample material                             | 230117      | sample   | 11/1/2019      | na                   | 10.500             | 16.900   | 0.000  |
| Process 4 Measurement of sulfur isotope ratio of sulfide in solid sample material  | 230117      | sample   | 11/1/2019      | na                   | 18.000             | 28.900   | 0.000  |
| Process 5 Measurement of sulfur isotope ratio of sulfate in solid sample material  | 230117      | sample   | 11/1/2019      | na                   | 18.000             | 28.900   | 0.000  |
| Process 6 Iron Speciation Analysis   | 230117      | sample   | 11/1/2019      | na                   | 17.800             | 28.600   | 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 | 4/1/2019       | na                   | 0.049              | 0.079    | 0.000  |

# Approved Service Center Rates

**Horticulture (0011)**

## **SPES 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 | 230351      | Square Foot | 4/1/2019       | na                   | 0.012              | 0.019    | 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: Robert Grange**

**Cost Accountant: Nancy Ritter**

|   | Banner Fund | Rate Per | Effective Date | Min/Max (in Dollars) | RATES (in Dollars) |          |        |
|---|-------------|----------|----------------|----------------------|--------------------|----------|--------|
|   |             |          |                |                      | Internal           | External | Market |
| BCA Assay                                     | 230348      | Sample   | 3/1/2020       | na                   | 22.900             | 36.900   | 0.000  |
| BHAD Activity                                 | 230348      | Sample   | 3/1/2020       | na                   | 9.000              | 14.500   | 0.000  |
| Cell Culture Bioenergetics                    | 230348      | EA       | 3/1/2020       | na                   | 150.100            | 241.700  | 0.000  |
| Cell Substrate Metabolism                     | 230348      | EA       | 3/1/2020       | na                   | 42.700             | 68.700   | 0.000  |
| Citrate Synthase Activity                     | 230348      | Sample   | 3/1/2020       | na                   | 9.900              | 15.900   | 0.000  |
| Cytochrome C Oxidase Activity                 | 230348      | Sample   | 3/1/2020       | na                   | 4.400              | 7.100    | 0.000  |
| Glucose Tolerance Testing                     | 230348      | Ea       | 3/1/2020       | na                   | 6.700              | 10.800   | 0.000  |
| Histology: Cryo-Sectioning                    | 230348      | Slide    | 3/1/2020       | na                   | 4.800              | 7.700    | 0.000  |
| Histology-H&E Staining                        | 230348      | Slide    | 3/1/2020       | na                   | 5.300              | 8.500    | 0.000  |
| Histology-Microtome Sectioning                | 230348      | Slide    | 3/1/2020       | na                   | 4.800              | 7.700    | 0.000  |
| In Vitro Muscle Function                      | 230348      | EA       | 3/1/2020       | na                   | 17.500             | 28.200   | 0.000  |
| In Vitro Skeletal Muscle Substrate Metabolism | 230348      | EA       | 3/1/2020       | na                   | 11.700             | 18.800   | 0.000  |
| In Vivo Muscle Function                       | 230348      | EA       | 3/1/2020       | na                   | 24.100             | 38.800   | 0.000  |
| Insulin Tolerance Testing                     | 230348      | EA       | 3/1/2020       | na                   | 6.700              | 10.800   | 0.000  |
| MDH Activity                                  | 230348      | Sample   | 3/1/2020       | na                   | 1.300              | 2.100    | 0.000  |
| Mitochondria Function:Pyruvate-Malate         | 230348      | Plate    | 3/1/2020       | na                   | 109.500            | 176.300  | 0.000  |
| Mitochondria Function:Succinate-Rotenone      | 230348      | Plate    | 3/1/2020       | na                   | 109.400            | 176.100  | 0.000  |
| Mitochondria Function:TMPD Electron Flow      | 230348      | Plate    | 3/1/2020       | na                   | 105.200            | 169.400  | 0.000  |
| Mitochondria Isolation                        | 230348      | Plate    | 3/1/2020       | na                   | 13.800             | 22.200   | 0.000  |
| Mitochondria Isolation and Function           | 230348      | EA       | 3/1/2020       | na                   | 9.100              | 14.700   | 0.000  |
| PKF Acitivity                                 | 230348      | Sample   | 3/1/2020       | na                   | 2.800              | 4.500    | 0.000  |

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## 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: Robert Grange**

**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       | 3/1/2020       | na                   | 11.600             | 18.700   | 0.000  |
| TSE Whole Body Calorimetry | 230348      | EA       | 3/1/2020       | na                   | 23.300             | 37.500   | 0.000  |



## Approved Service Center Rates

**Hume Center for National Security and Technology (0497)**

### **Virginia Tech Ground Station (VTGS)**

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

**Manager: Jonathan Black**

**Cost Accountant: Nancy Ritter**

|         | Banner Fund | Rate Per      | Effective Date | Min/Max (in Dollars) | RATES (in Dollars) |          |        |
|---------|-------------|---------------|----------------|----------------------|--------------------|----------|--------|
|         |             |               |                |                      | Internal           | External | Market |
| Mission | 230392      | Mission/Month | 11/1/2019      | na                   | 3,570.000          | 0.000    | 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     | 6/1/2019       | na                   | 15.000             | 24.000   | 36.000    |
| BET                               | 230470      | Hour     | 6/1/2019       | na                   | 10.000             | 16.000   | 26.000    |
| Cyro-Ultra Microtome              | 230470      | Hour     | 6/1/2019       | na                   | 22.000             | 35.000   | 48.000    |
| DLS                               | 230470      | Hour     | 6/1/2019       | na                   | 12.000             | 19.000   | 32.000    |
| E-SEM                             | 230470      | Hour     | 6/1/2019       | na                   | 35.000             | 56.000   | 80.000    |
| FE-SEM                            | 230470      | Hour     | 6/1/2019       | na                   | 35.000             | 56.000   | 80.000    |
| FIB                               | 230470      | Hour     | 6/1/2019       | na                   | 40.000             | 64.000   | 90.000    |
| FIB After Hours Use               | 230470      | Hour     | 6/1/2019       | na                   | 30.000             | 0.000    | 0.000     |
| FIB Standard Lift-Out             | 230470      | Sample   | 6/1/2019       | na                   | 550.000            | 886.000  | 1,000.000 |
| Polishing Papers & Cloths         | 230470      | Paper    | 6/1/2019       | na                   | 2.000              | 3.000    | 5.000     |
| Raman-AFM                         | 230470      | Hour     | 6/1/2019       | na                   | 20.000             | 32.000   | 53.000    |
| SEM Sample Prep                   | 230470      | Run      | 6/1/2019       | na                   | 15.000             | 24.000   | 36.000    |
| SIMS                              | 230470      | Hour     | 6/1/2019       | na                   | 58.000             | 93.000   | 275.000   |
| Technical Assistance and Training | 230470      | Hour     | 6/1/2019       | na                   | 50.000             | 81.000   | 81.000    |
| TEM EM 420                        | 230470      | Hour     | 6/1/2019       | na                   | 25.000             | 40.000   | 60.000    |
| TEM JEOL 2100                     | 230470      | Hour     | 6/1/2019       | na                   | 45.000             | 72.000   | 100.000   |
| TEM Sample Prep                   | 230470      | Hour     | 6/1/2019       | na                   | 15.000             | 24.000   | 36.000    |
| TEM Titan 80-300                  | 230470      | Hour     | 6/1/2019       | na                   | 60.000             | 97.000   | 145.000   |
| Triboindenter                     | 230470      | Hour     | 6/1/2019       | na                   | 20.000             | 32.000   | 48.000    |
| UV-Vis-NIR                        | 230470      | Hour     | 6/1/2019       | na                   | 5.000              | 8.000    | 13.000    |
| Veeco AFM                         | 230470      | Hour     | 6/1/2019       | na                   | 21.000             | 34.000   | 51.000    |
| XPS                               | 230470      | Hour     | 6/1/2019       | na                   | 30.000             | 48.000   | 95.000    |

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## 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 |
| XPS Surface Survey | 230470      | Sample   | 6/1/2019       | na                   | 20.000             | 32.000   | 79.000 |

## Approved Service Center Rates

**IT Businsee & Financial Affairs (0275)**

### Virginia Cyber Range

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

**Manager: David Raymond**

**Cost Accountant: Nancy Ritter**

|             | Banner Fund | Rate Per | Effective Date | Min/Max (in Dollars) | RATES (in Dollars) |          |        |
|-------------|-------------|----------|----------------|----------------------|--------------------|----------|--------|
|             |             |          |                |                      | Internal           | External | Market |
| Cyber Range | 230053      | Month    | 6/17/2019      | na                   | 0.000              | 7.000    | 8.000  |

## 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     | 6/1/2019       | na                   | 68.000             | 109.000  | 0.000  |
| Machinist  | 230322      | Hour     | 6/1/2019       | na                   | 56.000             | 90.000   | 0.000  |
| Occupancy  | 230322      | Day      | 6/1/2019       | na                   | 535.000            | 757.000  | 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: Braelyn Simpson**

|                          | Banner Fund | Rate Per | Effective Date | Min/Max (in Dollars) | RATES (in Dollars) |          |        |
|--------------------------|-------------|----------|----------------|----------------------|--------------------|----------|--------|
|                          |             |          |                |                      | Internal           | External | Market |
| 58871S - Impala          | 230375      | Mile     | 3/1/2020       | na                   | 0.150              | 0.000    | 0.000  |
| 60244S - Impala          | 230375      | Mile     | 3/1/2020       | na                   | 0.150              | 0.000    | 0.000  |
| 63767S-GMC               | 230375      | Mile     | 3/1/2020       | na                   | 0.200              | 0.000    | 0.000  |
| 65555S-Dodge             | 230375      | Mile     | 3/1/2020       | na                   | 0.180              | 0.000    | 0.000  |
| 74608S - Impala          | 230375      | Mile     | 3/1/2020       | na                   | 0.160              | 0.000    | 0.000  |
| 74609S - Honda           | 230375      | Mile     | 3/1/2020       | na                   | 0.120              | 0.000    | 0.000  |
| Nissan Rogue/5 passenger | 230375      | Mile     | 3/1/2020       | na                   | 0.120              | 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:** Giti Khodaparast

**Cost Accountant:** Dana Danis

|       | Banner Fund | Rate Per | Effective Date | Min/Max (in Dollars) | RATES (in Dollars) |          |        |
|-------|-------------|----------|----------------|----------------------|--------------------|----------|--------|
|       |             |          |                |                      | Internal           | External | Market |
| Usage | 230137      | per Hour | 3/1/2020       | na                   | 34.000             | 0.000    | 0.000  |

## 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: Nancy Ritter**

|   | 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  |

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## 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: Nancy Ritter**

|  | 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                   | 3.200              | 5.200    | 0.000  |
| TOC/TN/IC40 Unassisted                         | 230695      | Sample   | 3/1/2019       | na                   | 2.100              | 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  |

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## 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: Nancy Ritter**

|                            | 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: Nancy Ritter**

|               | Banner Fund | Rate Per | Effective Date | Min/Max (in Dollars) | RATES (in Dollars) |          |        |
|---------------|-------------|----------|----------------|----------------------|--------------------|----------|--------|
|               |             |          |                |                      | Internal           | External | Market |
| Visual Design | 230250      | Hour     | 11/1/2019      | na                   | 65.000             | 87.000   | 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: Braelyn Simpson**

|                         | Banner Fund | Rate Per | Effective Date | Min/Max (in Dollars) | RATES (in Dollars) |          |        |
|-------------------------|-------------|----------|----------------|----------------------|--------------------|----------|--------|
|                         |             |          |                |                      | Internal           | External | Market |
| 60175S HHR              | 230372      | Mile     | 2/1/2020       | na                   | 0.120              | 0.000    | 0.000  |
| 68316S Chevrolet Impala | 230372      | Mile     | 2/1/2020       | na                   | 0.120              | 0.000    | 0.000  |
| 68343S Chevrolet Impala | 230372      | Mile     | 2/1/2020       | na                   | 0.120              | 0.000    | 0.000  |
| 77316S Caravan          | 230372      | Mile     | 2/1/2020       | na                   | 0.100              | 0.000    | 0.000  |
| 77317S Caravan          | 230372      | Mile     | 2/1/2020       | na                   | 0.100              | 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: Braelyn Simpson**

|                 | Banner Fund | Rate Per | Effective Date | Min/Max (in Dollars) | RATES (in Dollars) |          |        |
|-----------------|-------------|----------|----------------|----------------------|--------------------|----------|--------|
|                 |             |          |                |                      | Internal           | External | Market |
| 55238S - Van    | 230115      | Mile     | 7/1/2019       | na                   | 0.350              | 0.000    | 0.000  |
| 58817S - Impala | 230115      | Mile     | 7/1/2019       | na                   | 0.140              | 0.000    | 0.000  |
| 66955S - Van    | 230115      | Mile     | 7/1/2019       | na                   | 0.350              | 0.000    | 0.000  |
| 71580S - Impala | 230115      | Mile     | 7/1/2019       | na                   | 0.140              | 0.000    | 0.000  |
| 71581S - Impala | 230115      | Mile     | 7/1/2019       | na                   | 0.140              | 0.000    | 0.000  |

## 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   | 4/1/2020       | na                   | 36.000             | 58.000   | 0.000  |
|                        | Thin Cut Block            | 230012      | Sample   | 4/1/2020       | na                   | 37.000             | 59.000   | 0.000  |
| SEM Specimen Processed | SEM Processing (Scope)    | 230012      | Hour     | 4/1/2020       | na                   | 48.000             | 77.000   | 0.000  |
|                        | SEM Specimens Prep        | 230012      | Sample   | 4/1/2020       | na                   | 40.000             | 64.000   | 0.000  |
| Specimen Testing       | Critical Point Dryer Runs | 230012      | Sample   | 4/1/2020       | na                   | 21.000             | 34.000   | 0.000  |
|                        | Negative Staining         | 230012      | Sample   | 4/1/2020       | na                   | 26.000             | 42.000   | 0.000  |
|                        | Sputter Coater Runs       | 230012      | Sample   | 4/1/2020       | na                   | 20.000             | 32.000   | 0.000  |
| TEM Specimen Processed | TEM Processing (Scope)    | 230012      | Hour     | 4/1/2020       | na                   | 72.000             | 116.000  | 0.000  |
|                        | TEM Specimens Prep        | 230012      | Sample   | 4/1/2020       | na                   | 39.000             | 63.000   | 0.000  |

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## 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     | 10/1/2019      | 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  |

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## 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  |

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## 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: Diana Alexander**

|                      |                                  | 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     | 5/1/2019       | na                   | 52.000             | 84.000   | 0.000  |

## Approved Service Center Rates

Virginia Tech Transportation Instit (0308)

### VTI LS Autonomous Shuttle

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

**Manager:** Pascha Gerni

**Cost Accountant:** Nancy Ritter

|                    | Banner Fund | Rate Per | Effective Date | Min/Max (in Dollars) | RATES (in Dollars) |          |        |
|--------------------|-------------|----------|----------------|----------------------|--------------------|----------|--------|
|                    |             |          |                |                      | Internal           | External | Market |
| Autonomous Shuttle | 230360      | Hour     | 4/1/2019       | na                   | 165.000            | 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: Nancy Ritter**

|  | Banner Fund | Rate Per | Effective Date | Min/Max (in Dollars) | RATES (in Dollars) |          |        |
|--|-------------|----------|----------------|----------------------|--------------------|----------|--------|
|  |             |          |                |                      | Internal           | External | Market |
| Control Room                           | 230209      | Hour     | 1/1/2020       | na                   | 168.000            | 0.000    | 0.000  |
| Lighting                               | 230209      | Hour     | 1/1/2020       | na                   | 175.000            | 0.000    | 0.000  |
| Weather (includes rain, snow, and fog) | 230209      | Hour     | 1/1/2020       | na                   | 563.000            | 0.000    | 0.000  |

## Approved Service Center Rates

**Virginia Tech Transportation Instit (0308)**

### **VTTI Support Vehicles**

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

**Manager: Pascha Gerni**

**Cost Accountant: Diana Alexander**

|                   | Banner Fund | Rate Per | Effective Date | Min/Max (in Dollars) | RATES (in Dollars) |          |        |
|-------------------|-------------|----------|----------------|----------------------|--------------------|----------|--------|
|                   |             |          |                |                      | Internal           | External | Market |
| Sedan             | 230384      | Mile     | 4/1/2019       | na                   | 0.450              | 0.000    | 0.000  |
| SUV/All-Wheel/Van | 230384      | Mile     | 4/1/2019       | na                   | 0.950              | 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: Nancy Ritter**

|     | Banner Fund | Rate Per | Effective Date | Min/Max (in Dollars) | RATES (in Dollars) |          |        |
|-----|-------------|----------|----------------|----------------------|--------------------|----------|--------|
|     |             |          |                |                      | Internal           | External | Market |
| HNL | 230284      | Hour     | 11/1/2019      | na                   | 500.000            | 803.000  | 0.000  |