





Republic of the Philippines VISAYAS STATE UNIVERSITY

Visca, Baybay City, Leyte

PURCHASE REQUEST

PPMP No.: PPMP-2024-090424-0401

Funding Source: General Fund - CO

PR No.: GF-2024-09-01677

Date: 09-06-2024

Dept./Office: DPhys

Many Joy P. Israel

Category: Laboratory

Equipment

Section/End-User: Perlie A

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Project Title/Code: DPhys-Lab Equipment 2

| Item # | Item Description | Unit | Qty | Unit Cost | PAR/ICS | Total Cost |
|-----------|---------------------|------|-----|------------|--------------------|------------|
| 1 | Basic Optics System | set | 4 | 120,260.00 | REV RHIZZA L. AURE | 481,040.00 |

Specification:

1x Optics Track (1.2 m)

- Rugged aluminum construction
- Built-in metric tape
- · Wide central channel for easy snapping
- T-slots on the sides and center for components with square bolts and thumb screws
- · Compatible with Optics Bench Rod Clamp

1x Basic Optics Light Source

- Bulb Type: G4 halogen, 12 V, 10 W
- Input Power: 100 to 240 VAC, 50 to 60 Hz (via included AC adapter)
- Dimensions: 16 cm × 11 cm × 9 cm

1x Accessory Lens Set

- Focal Lengths: +250 mm and -150 mm
- · Lens Diameter: 50 mm
- · Each lens is mounted in a lens holder for protection and easy storage
- Lens holder clips directly to the Basic Optics Track

1x Adjustable Lens Holder

- Compatible with lenses and mirrors with diameters between 19 mm and 75 mm
- Three locking adjustable arms
- Snaps into 60 cm or 120 cm Basic Optics Benches or Dynamics Track Optics Carriage

1x Ray Optics Kit

- · Includes:
 - o 1x Double-Convex Lens
 - o 1x Double-Concave Lens
 - 1x Acrylic Trapezoid
 - 1x Triangular mirror accessory (concave, convex, and plane reflective surfaces)

- o 1x Hollow lens (can be filled with liquid or used as an air lens)
- 1x Storage Box/Water Tank with foam insert and white plastic sheet

1x Basic Optics Viewing Screen

Height: 20 cmWidth: 16.5 cm

1x Basic Optics Ray Table

- Two-piece construction (rotatable)
- · Printed polar grid for easy measurements
- Includes 1x table and 1x D-shaped Lens (allows rays to bend at only one surface)

1x Concave/Convex Mirror

· Diameter: 50 mm

Focal Length: +100 mm and -100 mm

Radius of curvature: 200 mm

Includes concave/convex mounted mirror and half-screen (rotatable in vertical or horizontal orientation)

1x Basic Optics Geometric Lens Set

- Includes +200 mm and +100 mm lenses
- · Each lens is mounted in a lens holder for protection and easy storage

1x Storage Box

| | TOTAL | | 481,040.00 | |
|-----------------------------|------------------------------|----------------------|---|--|
| Purpose: For I | OPhys Laboratory Use and COF | C application of BSC | program. | |
| Checked by: | GENESIS CALBARICO |) | Funds Available: ALICIA M. FLORES W-101 HEAD, BUDGET OFFICE (0004000 49 | |
| | TWG - Laboratory Equipm | HEAD, BUDGET OFFICE | | |
| Signature: Printed Name: | Prepared by: WWW | Noted by: | Approved by: PROSE IVY G. YEPES | |
| Designation: | | UNIT HEAD, | PROJECT LEADER PRESIDENT, VSU | |