Capstone Project Budget Template - Fall/Spring

Project: Hypoxia Chamber Design

Last Updated 11/6/2020

Expense Items	Year								Item Total		
	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr			
Equipment/Tools:											
									$ -		
Travel:											
None									$ -		
									$ -		
Supplies / Parts / Services:									$ -		
Arduino Mega Equivalent			$ 16						$ 16		
Raspberry Pi				$ 35					$ 35		
Oxygen Sensor			$ 99						$ 99		
O2 adapter board			$ 4						$ 4		
Breadboard			$ 9						$ 9		
Wires			$ 10						$ 10		
Acrylic			$ 20						$ 20		
Input Solenoids x2			$ 12						$ 12		
Exhaust Solenoid			$ 10						$ 10		
Nitrogen					$ 10				$ 10		
CO2 Sensor			$ 193						$ 193		**Expenses**
Through wall Tubing connecter x2			$ 15						$ 15		
Transistors			$ 10						$ 10		
Epoxy			$ 12						$ 12		
Tubing			$ 10						$ 10		
3D -printing filament			$ 26						$ 26		
Pre-made Container			$ 22						$ 22		
Logic converter			$ 7								
Power Supply			$ 13								
O-ring			$ 7						$ 7		
Water Trays				$ 20							
Misc.								$ 100	$ 100	$ 620	**Subtotal**
Shop Usage (est. Hrs):									Hours		
3d-printing			15						15		
Soldering						5			5		
Containment Manufacturing?			20						20		
									0		
									0		
									0		

Graduate Student Support	$ 200	**including fringe**	
Shop Overhead	$ -		
University Overhead	$ -	**5% of all expenses**	
Totals	**$ 820**	**$ 1,000** Budget	$ 180 Excess