

**NHERI Experimental Facility
University of Florida User Rates**

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2022 User Rates for University of Florida NHERI Equipment and Staff

Note: Rates are subject to change every revision period.

Academic User Rate

Service Line	Unit	Rate
1. BLWT - Setup/Cleanup/Closeout	Daily Rate	742.00
2. PIV - Setup/Cleanup/Closeout (incremental Rate)	Daily Rate	436.00
3. FFM - Setup/Cleanup/Closeout (incremental Rate)	Daily Rate	595.00
4. BLWT - Operations	Daily Rate	1267.00
5. FFM- Operations (incremental rate)	Daily Rate	2672.00
6. PIV - Operations (incremental rate)	Daily Rate	443.00
7. Planning of Experiment	Daily Rate	874.00
8. Machine Shop Equipment hourly	Hourly Rate	24.00
9. Machine Shop Labor hourly	Hourly Rate	51.00
10. General Engineer Services (Model Design) hourly	Hourly Rate	58.00
11. Instrumentation and Control Engineer hourly	Hourly Rate	60.00
12. Research Scientist hourly	Hourly Rate	81.00
13. Technical Assistant hourly	Hourly Rate	35.00

Commercial User Rate

Service Line	Unit	Rate
1. BLWT - Setup/Cleanup/Closeout	Daily Rate	1113.00
2. PIV - Setup/Cleanup/Closeout (incremental Rate)	Daily Rate	654.00
3. FFM - Setup/Cleanup/Closeout (incremental Rate)	Daily Rate	893.00
4. BLWT - Operations	Daily Rate	1901.00
5. FFM- Operations (incremental rate)	Daily Rate	4008.00
6. PIV - Operations (incremental rate)	Daily Rate	665.00
7. Planning of Experiment	Daily Rate	1311.00
8. Machine Shop Equipment hourly	Hourly Rate	36.00
9. Machine Shop Labor hourly	Hourly Rate	77.00
10. General Engineer Services (Model Design) hourly	Hourly Rate	87.00
11. Instrumentation and Control Engineer hourly	Hourly Rate	90.00
12. Research Scientist hourly	Hourly Rate	122.00
13. Technical Assistant hourly	Hourly Rate	53.00



NHERI Service Line Descriptions

The following equipment and the Machine Shop will be included as part of the service lines of NHERI facility:

- **BLWT** – Boundary Layer Wind Tunnel
- **PIV (Laser)** – Particle Image Velocimetry
- **FFM** – Flow Field Modulator

Description of services:

- **Planning of Experiment:**
 - Review of the experimental plan by the laboratory staff to assess the setup and operation needs of the tests
 - Scheduling the experiment based on equipment availability and planned test matrix
 - Development of a standard instrumentation plan and preparing the necessary data acquisition hardware/software
 - Development of a risk management and performance assurance plan
 - Planning for the safety requirements of the testing
- **Setup and Closeout:**
 - Installing models/specimens in the experimental apparatus
 - Standard instrumentation
 - Preliminary tests to ensure correct model/specimen installation and operational instrumentation
 - Removal of the model/specimen from experimental apparatus
 - Clean up
 - Data transfer to user and/or data repository
- **Operations:**
 - Running the experimental apparatus
 - Recording, saving, and transferring data
 - Adjusting settings and configurations as required by the test matrix
 - Ensuring safe operation of equipment
- **Machine Shop** activities are charged by the hour with an equipment rate and a technician labor rate:
 - Using end mills, lathes, drill presses, grinders, saws, and welders
 - Manufacturing and repairs of mechanical parts
 - Construction and modifications of models
- **General Engineer Services:**
 - Engineering services to for specimen/model design, including CAD work and design calculations as necessary
- **Instrumentation and Control Engineer:**
 - Specialized or extensive instrumentation and control services
 - Design and implementation of systems to support cyber-physical testing and automation controls for data collection
- **Research Scientist**
 - Research consulting by Ph.D. scientist on experimental conception, design, and implementation.
 - Data analysis/interpretation
- **Technical Assistant**
 - General manual labor

Note: Daily rates will be rounded to the nearest half day (e.g. less than four hours will be charged 0.5 day, more than four hours will be charged a full day).

