

Northwestern User Rates

| | Day 9 AM-5 PM per hr | Non-Day Time * per hr | Training (flat rate per person) | Tech Assistance per hr |
|---|-------------------------|--------------------------|------------------------------------|---------------------------|
| Scanning and Transmission Electron Microscopy (EPIC) | | | | |
| <i>Hitachi HD-2300</i> | \$50 | \$40 | \$400 | \$100 |
| <i>Hitachi H8100</i> | \$25 | \$20 | \$200 | \$80 |
| <i>JEM-2100F TEM</i> | \$50 | \$40 | \$400 | \$100 |
| <i>Hitachi S-4800-II</i> | \$45 | \$30 | \$150 | \$40 |
| <i>Hitachi S-3400N</i> | \$30 | \$20 | \$75 | \$40 |
| <i>LEO 1525</i> | \$35 | \$25 | \$150 | \$40 |
| <i>FEI Quanta 600F</i> | \$40 | \$30 | \$150 | \$40 |
| <i>FEI Helios NanoLab FIB</i> | \$50 | \$30 | \$150 | \$50 |
| Specimen Preparation (EPIC) | | | | |
| <i>IBT (new)</i> | \$5 | \$5 | \$35 | \$35 |
| <i>PIPS (two available)</i> | \$10 | \$10 | \$35 | \$35 |
| <i>Spin Coater</i> | \$10 | \$10 | \$35 | \$35 |
| <i>Cryo-plunging system</i> | \$40 | \$40 | \$35 | \$35 |
| <i>Optical microscope</i> | | | no charge | |
| <i>Allied High Tech Multi-Prep polishing system</i> | | | no charge | |
| Scanning Force Microscopy (NIFTI) | | | | |
| <i>Digital AFM</i> | \$25 | \$20 | \$150 | \$50 |
| <i>Hysitron TriboIndenter</i> | \$25 | \$20 | \$150 | \$50 |
| <i>JEOL JSPM-5200 SPM</i> | \$25 | \$20 | \$150 | \$50 |
| <i>NanoInk Nscriptor</i> | \$25 | \$20 | \$150 | \$50 |
| <i>Nanonics NSOM</i> | \$25 | \$20 | \$150 | \$50 |
| <i>Veeco BioScope II</i> | \$25 | \$20 | \$150 | \$50 |
| Surface Science Microscopy (Keck-II) | | | | |
| <i>TOF-SIMS</i> | \$39 | \$39 | \$180 | \$60 |
| <i>XPS/ESCA</i> | \$39 | \$39 | \$180 | \$60 |
| <i>FT-IR</i> | \$29 | \$29 | \$50 | \$60 |
| <i>Confocal Raman</i> | \$35 | \$20 | \$50 | \$60 |
| <i>Profilometer</i> | \$30 | \$30 | \$25 | \$60 |

*Instrument managers determine when a user may be granted 24 hr access.

Note: consumables and supplies, when required, charged separately.

External User Rates

| | Instrument Use* self service per hr | Instrument Use w/ Tech Services* per hr | Tech Services & Data Analysis per hr (no instr use fee) | Instrument Training* flat rate per person |
|---|---|--|--|--|
| Scanning and Transmission Electron Microscopy (EPIC) | | | | |
| <i>Hitachi HD-2300</i> | \$100 | \$400 | \$300 | \$600 |
| <i>Hitachi H8100</i> | \$65 | \$215 | \$150 | \$300 |
| <i>JEM-2100F TEM</i> | \$100 | \$400 | \$300 | \$600 |
| <i>Hitachi S-4800-II</i> | \$90 | \$170 | \$80 | \$300 |
| <i>Hitachi S-3400N</i> | \$60 | \$140 | \$80 | \$150 |
| <i>LEO 1525</i> | \$70 | \$150 | \$80 | \$300 |
| <i>FEI Quanta 600F</i> | \$80 | \$160 | \$80 | \$300 |
| <i>FEI Helios NanoLab FIB</i> | \$100 | \$200 | \$80 | \$300 |
| Specimen Preparation (EPIC) | | | | |
| <i>IBT (new)</i> | \$5 | \$80 | \$80 | \$80 |
| <i>PIPS (two available)</i> | \$10 | \$80 | \$80 | \$80 |
| <i>Spin Coater</i> | \$10 | \$80 | \$80 | \$80 |
| <i>Cryo-plunging system</i> | \$150 | \$80 | \$80 | \$80 |
| <i>Optical microscope</i> | | | no charge | |
| <i>Allied High Tech Multi-Prep polishing system</i> | | | no charge | |
| Scanning Force Microscopy (NIFTI) | | | | |
| <i>Digital AFM</i> | \$75 | \$175 | \$100 | \$250 |
| <i>Hysitron TriboIndenter</i> | \$75 | \$175 | \$100 | \$250 |
| <i>JEOL JSPM-5200 SPM</i> | \$75 | \$175 | \$100 | \$250 |
| <i>NanoInk Nscriptor</i> | \$75 | \$175 | \$100 | \$250 |
| <i>Nanonics NSOM</i> | \$75 | \$175 | \$100 | \$250 |
| <i>Veeco BioScope II</i> | \$75 | \$175 | \$100 | \$250 |
| Surface Science Microscopy (Keck-II) | | | | |
| <i>Confocal Raman</i> | \$70 | \$150 | \$80 | \$150 |
| <i>FT-IR</i> | \$70 | \$150 | \$80 | \$150 |
| <i>TOF-SIMS</i> | \$120 | \$220 | \$100 | \$360 |
| <i>XPS/ESCA</i> | \$120 | \$220 | \$100 | \$360 |
| <i>Profilometer</i> | \$70 | \$150 | \$80 | \$35 |

Note: consumables and supplies, when required, charged separately.

NUANCE Center Reservations and Rates for Northwestern Users

Instrument rates

Find rates for all instruments from a link on our home page, www.nuance.northwestern.edu

Reservations

Using FOM, <http://www.fom.northwestern.edu>, reservations can be made by half hour periods for the duration required.

Daytime and night time rates

Daytime is from 9AM to 5PM. Rest of the day and weekends are charged as nighttime for those who have 24 hour access approved by the appropriate instrument manager. FOM does not recognize official holidays.

Early login and late logoff

You are allowed to login 29 minutes earlier than reserved start time or enjoy an unlimited extension of your reserved time, as long as no one else reserved the instrument. Early logins and late logoffs are charged by minutes.

Partly used reservations

If reserved time is not fully used, you will be charged according to reserved time. Do not reserve time more than needed. If you have a reservation, another user is barred from using the instrument.

Unused reservation

If you do not log in within 30 minutes after your reserved start time, another user may use the time period.

Cancelled reservation

You will not be charged if you cancel your instrument reservation 24 hours or more. You will be charged the equivalent of a two-hour fee if you cancel within 24 hours because other users are unable to make reservations for the time period and you are barring them from instrument use.

Forgot to logout

You will be charged for time logged in unless another user picks up the slot.

Report forgotten logouts

If you discover that the previous user forgot to logout and the instrument is no longer in use, you may override. Please use caution as a user's experiment might be interrupted if you log off when the instrument is still in use. If in doubt, talk with a manager.

Technical assistance and training fee

Managers post technical assistance and training fees within 48 hours.

Consumables

Enter your consumable use when logging off instrument. If you forget, a manager may enter manually.

Machine downtime

You will not be charged if the instrument is marked as down, even if you have reserved the instrument. You may request waiver of the charge if the equipment is faulty but not marked as down in FOM.

Report of equipment problem

When logging off equipment in FOM, user should check "problem" or "down" if there was problem during the experiment. Facility managers will receive email notice and fix the problem as soon as possible. Facility managers will also evaluate if the usage charge should be reset due to the problem reported.

Questionable charge

Contact the appropriate instrument manager as soon as possible to discuss any questionable charge. Adjustments must be completed within 90 days to comply with the university's rule.

Billing schedule

NUANCE closes each month before sending instrument use charges to NU Accounting. We use the chart strings from your user profile, which are validated against the university's NUFFS database daily.