

User Fee for the SEM Facility in Duke 240

1. Rate for Internal Users

Resource/Service	Usage Rate		Training Fee
	Non-assisted Use	Assisted Use	
JEOL JSM 6480 SEM	\$25 / hour	\$76 / hour	\$114 / user
Oxford INCA EDS	\$25 / hour	\$76 / hour	\$114 / user
Denton Desk IV Coater	\$5 / hour	\$41 / hour	\$41 /user

* “Assisted use” means the SEM lab scientist operates the instrument and produces results for a user.

To be qualified to operate above instruments independently, users need to attend the basic training offered by the SEM lab scientist: Dr. Haitao Zhang. Each instrument has one training session.

2. Rate for External Users

Resource/Service	Usage Rate		Training Fee
	Non-assisted Use	Assisted Use	
JEOL JSM 6480 SEM	\$48 / hour	\$125 / hour	\$188 / user
Oxford INCA EDS	\$48 / hour	\$125 / hour	\$188 / user
Denton Desk IV Coater	\$12 / hour	\$67 / hour	\$67 /user
Technical Service and Data Analysis	—	\$68 / hour	—

* “Assisted use” means the SEM lab scientist operates the instrument and produces results for a user.

External users are normally not allowed to operate instruments independently. Special permission to use any instrument without technical assistance must be granted by the Chair of ME Department and users must sign an exemption form. User must attend the basic training offered by the SEM lab scientist: Dr. Haitao Zhang. Each instrument has one training session.

3. Others

User fee can also be project-based. Before starting the project, the SEM lab scientist will estimate the total cost and provide a service agreement to the client. The project can only start when the service agreement is signed.