# **Equipment Information Sheet** Zeiss Supra SEM

Manager: Xinwei Wu 607-254-4934 Backup: Philip Schneider 607-254-4931 their cent phones during accession near leave a message or send them an email.

Calls to staff phones will be automatically forwarded to their cell phones during accessible hours. At other times

#### SAFETY

The SEMs are safe instruments when operated normally. However, they can be easily damaged if used improperly.

### **USAGE RESTRICTIONS**

No buddy system restrictions imposed on normal operation.

#### SCHEDULING/SIGN-UP RESTRICTIONS

Minimum Tool Time: 15 minutes

- 2 hours maximum between 9 AM 6 PM
- There must be a minimum of 4 hours between any two reservations.
- 4 hours maximum at all other times

### MATERIALS COMPATIBILITY CATEGORY

# **Tool Category 5: Class A and B Metals and Compounds** Not Allowed Allowed Tool category 1/1E, 2, 3, and 4 materials Silicon Based Substrates and Films III/V compound Semiconductors Glass Substrates PECVD and ALD Films Cured organics and baked Photoresist CNF Class A, B, and Refractory metals Exposed Gold, Silver, Copper Alkali and Alkaline Compounds Organic/Biology Molecules preparedw/salt buffers High Vapor Pressure Materials (Mg, Ca, \* Some tool restrictions on high vapor pressure Zn)\* materials may apply Soft organic materials

# High Vapor Pressure Metals and Compounds are materials that have a vapor pressure above 1e-6 Torr at 400 C.

# **Additional Material Restrictions and Exceptions**

- Fully Baked Resist Only!
- Samples should be cleaned and baked before imaging

Last Updated: 07/30/2025