

CHEMISTRY DEPARTMENT ACTIVE INVENTORY (a/o 3/2005)

<u>Instrument</u>	<u>Acquisition</u>
SYSTEM A1. MAGNETIC RESONANCE	
JEOL NMR (Mi-056)	2005
Bruker EMX-8/2.7 ESR (Mi-133)	2004
SYSTEM A2. INFRARED SPECTROMETRY	
P-E 1600 FTIR - 2 (Mi-271/Mi-162)	1993
P-E System 2000 FTIR (Mi-036)	1993 (upgraded 2004)
P-E 1750 FTIR (Mi-133)	1985
Thermo-Nicolet IR100 - 2 (Mi-035/Mi-037)	2004
Chromex Raman One (Mi-036)	1994
SYSTEM A3. CHROMATOGRAPHY	
H-P 5890 GC - 2 (Mi-035)	1993
H-P 5890 GC - (Mi-160)	
H-P 5890 GC - 2 (Mi-162)	
Shimadzu GC - 2 (Mi-037)	
H-P 5890 GC (autosampler) (Mi-036)	1988
H-P 1100 HPLC (Mi-036)	2000
Agilent 1100 HPLC - 2 (Mi-036)	2002
Waters 510 GPC (Mi-240)	1995
Beckman-Coulter P/ACE Capillary Electrophoresis (Mi-264)	2004
SYSTEM A4. OPTICAL SPECTROSCOPY	
H-P 8452 Diode Array - 2 (Mi-036)	1994
H-P 8452 Diode Array (Mi-036)	1994
Gilford Response scanning UV-Vis (Mi-133)	1986
JASCO V-550 UV/VIS Spectrophotometer (Mi-036)	2003
P-E LS-5B Luminescence Spect. (Mi-036)	1987
Jobin-Yvon Fluorolog -3 Spectrofluorometer (Mi-036)	2001
Jasco DIP 370 Digital Polarimeter (Mi-035)	1990
Acton Scanning monochromator (flash setup) (Mi-036)	1989
Spex Scanning monochromator (not in use) (Mi-036)	1981
SYSTEM A5. ATOMIC SPECTROSCOPY	
P-E Plasma 400 ICP AE Spect. (Mi-036)	1994
P-E 200 AA Instruments - 2 (Mi-036)	2003
P-E 800 AA Instrument - 1 (Mi-036)	2003
SYSTEM A6. LASER	
Lambda Physik Lectra 50 Eximer laser (Mi-052)	1994
Lambda Physik Compex 205 Excimer Laser (Mi-052)	2003
Scanmate 2E Dye laser (Mi-052)	1994
Continuum Precision II YAG laser (Mi-052)	2004
Continuum Sunlite EX tunable module (Mi-052)	2004
Continuum FX-1 Frequency Doubler (Mi-052)	2004
Laser Science VLS337/DLM110 N2/dye laser (Mi-131)	1990
Kimmon 1K series He-Cd laser (at NRL -Copper)	1995

SYSTEM A7. MASS SPECTROMETRIC

Shimadzu GC-MS (Mi-036)	2002
Varian 3900/Saturn 2100T GC/MS/MS (Mi-036)	2004
Applied Biosystems MALDI-TOF (Mi-036)	2002

SYSTEM A8. X-RAY

1200Z Binocular Stereo Zoom Microscope (Mi-131)	2000
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SYSTEM A9. THERM./ELEC./MATLS./SURF. CHARACTERIZATION

Burleigh Instructional STM (Mi-036)	1989
EG&G model 283 Electro. Sys. (Mi-150)	1999
EG&G model 273 Electro. Sys. - 2 (Mi-036)	1992
EG&G model 273 Electro. Sys. (Mi-150)	1992
EG&G model 174 Electro. Sys. (Mi-150)	1984
Eberbach electroanalysis system - 2 (Mi-036)	1970
Eberbach electroanalysis system - 1 (Mi-036)	
EG&G model 362 potentiostat (Mi-036)	1992
Cryo Ind./Kiethley low temp. conductivity system (Mi-161)	1992
TA Inst. DEA 2970 Dielectric Analyzer (Mi-036)	2000
TA Inst. DSC 2010 Diff. SCanning Calor. (Mi-036)	2000
EG&G model 303A mercury electrodes - 2 (Mi-036)	1985
Paar Physica Rheolab MC1 viscometer (Mi-240)	1995

SYSTEM A10. CHEMICAL SYNTHESIS

drying ovens (8+)
pan balances (3+)
analytical balances (7+)
pH meters (1+)
glove boxes (3)
rotary evaporators (4+)
vacuum pumps (12+)
bath/circulators (6+)
chemical refrigerators (3+)
freezers (2)

SYSTEM B. CORE CHEMISTRY LABORATORY

pan balances (12+)
analytical balances (30+)
pH meters (70+)
Spec 20 spectrometers (30+)
Geiger counters (6)
cloud chambers (1L, 6S)
cathode ray tubes/ps (6)
atomic emission lamps (4)
kinetic theory demos. (6+)
solid state model kits (23)

SYSTEM C. MAJORS CHEMISTRY LABORATORIES

pan balances (9+)
analytical balances (14+)

pH meters (7+)
 ovens/furnaces (7)
 glove boxes (4)
 spectrometers (2)
 refractometers (4+)
 melting point app. (4+)
 circulators/baths (6+)
 water purifiers (5)
 microscopes (12+)
 vacuum pumps (6+)

SYSTEM D1. FACULTY WORKSTATIONS

Laptops	43
Desktops	12
Monitors	36
Printers	32
Scanner	1

SYSTEM D2. NETWORK EQUIPMENT

Dell Workstation (Windows 2003 Server)	1
Compaq Workstation (Windows 2000 Se	1
Micron PC (Windows 2000 Server)	1
UPS	5

SYSTEM D3. MOLECULAR MODELING

Linux Workstations	11
Faculty Workstations	4
Network Printer	2
Panasonic 7500 VCR - M381	1
Sony ECO 9650 VCR - M381	1
JVC SR-S360V VCR - M381	1
Panasonic 1382 color monitor - M381	1

SYSTEM D4. TEACHING LAB WORKSTATIONS

<u>Plebe Labs (6)</u>	
Desktops	24
Monitors	24
<u>Plebe Resource Room</u>	
Desktops	11
Monitors	11
Network Printer	2
<u>Majors Resource Room</u>	
Desktop	1
Monitors	1
Printer	1
<u>Research Lab Desktops</u>	45