

Chemistry Department Instrumentation

instrument	Location/ ID tag	courses used	research labs used
atomic absorption spectrophotometer, Varian AA1275	TOM 001	341	
Centrifuge , International Equipment Company HN-S	TOM 209	233,234	
Centrifuge , Marathon 3200 table-top	TOM 203	371	
Chromatography , centrifugal??	TOM 311		
Cold Finger , VT	TOM 009		
cyclic voltammetry workstation, BAS CV-50W	TOM 311 (cart)	341, 372	Cummings
Electroanalytical , Orian 290A (RS232 compatible) multimeters (12) with pH, SCE and Ag electrodes	TOM 105	123, 126	
fluorescence spectrophotometer , SPEX fluorolog-3	TOM 309		Cummings
fluorescence spectrophotometer , SPEX fluoromax-3 with polarizers	TOM 001	126, 372, 374	Cummings Keller Bio
FT-IR spectrometer , Perkin Elmer Paragon 500	TOM 109 12782	123, 126	
FT-IR spectrometer , Perkin Elmer Spectrum RX1	TOM 211 (no ID)	233, 234	
Furnace , tube. Thermodyne 21100	TOM 001 09922		
gas chromatograph , GOW-MAC A	TOM 211 03816	233, 234	
gas chromatograph , GOW-MAC B	TOM 211 03823	233, 234	
gas chromatograph , GOW-MAC Series 350	TOM 109 12787		
gas chromatograph , Varian	????		Hunsen
GC-MS , Hewlett-Packard 5890 GC and 5970 MS	TOM 207		
GC-MS , Hewlett-Packard 5890 GC, 5972 MS and 7673	TOM 109	341, 373	

injector			
HPLC , Rainin SD-200 biocompatible (Dynamix) with multiwavelength UV-vis detector	TOM 307		
HPLC , Shimadzu	TOM 311		
HPLC , Waters A	TOM 207		
HPLC , Waters B	TOM 207		
Incubator , Napco 5100	TOM 203 03982		
Incubator , NuAire DH Autoflow 5100 (with CO2 injection)	TOM 203 16058		
Incubator , VWR 2005 low-T	TOM 203 16695		
Laser , Ar-ion			
Laser , Continuum ND2000 dye laser			
Laser , Continuum NY82C-20 Nd:Yag			
Laser , Continuum Surelite II-10 Nd:Yag laser			
Laser , hi-power dye, Northern Lights		374	
Laser , INRAD Autotracker II frequency doubling/mixing			
Laser , Lambda Physic ScanMate 2E dye laser			
Laser , N2 dye PTI	TOM 001 18129	372, 374	Cummings
Lyophilizer , Labconco	TOM 201	371	Hunsen
NMR spectrometer , Bruker 300 MHz with VT and Z-gradient	TOM 003	123, 126, 232, 234, 373	Cummings Hunsen, Getzler, Hofferberth
Photolysis , PTI Hg lamp with monochromator and sample compartment	TOM 309		Cummings
Polarimeter , Rudolph Research Analytical Autopol IV	TOM 207 17922	233, 234	
Spectropolarimeter , JASCO J-500A	TOM 203	341, 371	

stopped-flow UV-vis spectrophotometer OLIS/ Cary	TOM 311	341, 371	
Transient Absorption , PTI	TOM 001	374	
Ultracentrifuge , Beckman L7-35	TOM 201	371	
UV-vis spectrophotometer Hewlett-Packard diode array 8453 <i>A</i>	TOM 001 (or cart)	123, 126, 341, 372, 374	
UV-vis spectrophotometer Hewlett-Packard diode array 8453 <i>B</i>	TOM 109 14459	123, 126, 341, 372, 374	
UV-vis spectrophotometer Hewlett-Packard diode array 8453 <i>C</i>	TOM 109 16592	123, 126, 341, 372, 374	
UV-vis spectrophotometer Hewlett-Packard diode array 8453 <i>D</i>	TOM 309		Cummings
UV-vis spectrophotometer, Perkin Elmer Lambda-20	TOM 311	371	
UV-vis spectrophotometer, Varian DMS 100S	TOM 203		

Computers and software

Computer , Silicon Graphics OS-2 work stations (2)			
Computers , notebook data acquisition computers (??)		123, 126, 335	
SPARTAN 10 licences			
HyperChem site license			
ChemDraw			