


Metals for Advanced Manufacturing Laboratory (7h)

Activity	Instrument	Student action	
Microstructural characterization for Al, Cu e Ti materials	Optical Microscope Scanning Electron Microscope	Instrument use; dataand results analysis and interpretation.	
Hardness and microhardness and macro for Al, Cu e Ti materials.	Microhardness and macrohardness equipments	Instrument use; dataand results analysis and interpretation.	