Please download, install and test the software needed for both experiments in the experiment pair that you have chosen. For more detailed instructions on installing DAVE and SpinW please see additional documents.

Software contacts:
If you have problem installing or running any of these programs please email:
Richard Azuah
richard.azuah@nist.gov

For SpinW problems, please contact
Yang Zhao (yang.zhao@nist.gov)
Or
Rebecca Dally (rebecca.dally@nist.gov)

Triple Axis / MACS (Hard Matter)

- MACS:
  Download and install DAVE (the latest stable version)
  https://www.ncnr.nist.gov/dave/download.html#dave1stable

- Triple Axis (BT-7):
  Download and install DAVE (the latest stable version)
  https://www.ncnr.nist.gov/dave/download.html#dave1stable

  Download and install SpinW (need MATLAB pre-installed)
  https://github.com/SpinW/spinw/releases/tag/v3.1
  Detailed installation instructions can be found from https://spinw.org/installation/

  Experiment data files:
  Open the web browser and go to the following link:
  https://ncnr.nist.gov/ncnrdata/view/bt7browser.html?pathlist=ncnrdata+bt7+20170623816+data

Neutron Spin Echo / High Flux Backscattering (Soft Matter)

Download and install DAVE (the latest stable version)
https://www.ncnr.nist.gov/dave/download.html#dave1stable

Disk Chopper / Diffraction (Materials Chemistry)

- DCS Disk Chopper Spectrometer:
  Download and install DAVE (the latest stable version)
  https://www.ncnr.nist.gov/dave/download.html#dave1stable

- BT-1 Powder Diffractometer:
  Software contacts:
  Ben Trump (benjamin.trump@nist.gov) or Ryan Klein (ryan.klein@nist.gov)

  Download and install EXPGUI (it contains the structure refinement program GSAS; note that there are issues with newer MacOS systems and we have better luck installing the windows version):
  https://subversion.xray.aps.anl.gov/trac/EXPGUI/wiki/InstallWindows
  (a copy is here if the above is offline)

  Download and install VESTA (structure and Fourier difference visualization):
  https://jp-minerals.org/vesta/en/

  Also useful but not needed for this course: CMPR (a simple powder data viewer):
  https://subversion.xray.aps.anl.gov/trac/CMPR/
  (an old copy is here if the above is offline: https://www.nist.gov/document/cmpr2014win)