CMES Virtual Computer Lab (CMES-RD₁)

Topics:
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CMES Virtual Computer Lab
What is it?

The CMES Virtual Computer Lab is a web-based computer lab that students and faculty can access remotely, when off campus. You can access software that you may not have available on your computer.
CMES Virtual Computer Lab

What Software is in it?

- Most everything in the physical computers labs is available in the virtual computer lab
- Exceptions include graphic heavy applications, applications that are not licensed for a virtual environment
- Where possible, students should use student versions of the software installed on their computers
CMES Virtual Computer Lab
Software List

General applications
- Adobe Acrobat DC
- BlueGriffon
- Fiji 1.53 (ImageJ)
- FlexPDE7
- GeoMapApp 3.6.10
- Gplates 2.1.0
- Inkscape 0.92.3
- MatLab R2018b
- Microsoft R Open 3.5.1
- Modsim 3.6.24
- Notepad++
- Python 3.7
- QGIS Desktop 3.4.2
- QGIS 3.4.2 w/ GRASS 7.4.2
- R (64-bit) 3.5.1
- Regard3D
- Rstudio 1.2.1335
- Scilab-6.0.1(64-bit)
CMES Virtual Computer Lab Software (cont.)

Geology & Geophysics
- AQTESOLV Std
- CrystalDiffract
- FastX 2
- Geochemists Workbench 14
- GeoPhysics Software
- GRASS GIS 7.4.3
- JMARS
- Petra
- Petrel 2019/2020
- PetroMod 2019/2020
- Rocscience

- Shape 7.4
- SingleCrystal
- Stereonet
- SYMGRP
- Techlog 2019/2020
- The Kingdom Software 2019/2020
- WellCAD (64-bit) 5.3
- ArcGIS is available via CHPC
CMES Virtual Computer Lab
Software (cont.)

MSE
- HSC Chemistry 5.1
- Minitab 18
- Thermo-Calc 2019b

Mining Engineering
- Rocscience
- Microsoft SQL Mgmt Studio
  (specific class only)
- More Software will be added when and if possible
- If it’s not there, ask us and we can look into it
CMES Virtual Computer Lab Requirements

To use the Virtual Computer Lab, you will need the following:

• Access to the Campus VPN (everyone should have access to this)
• A Windows or Mac based computer
• Microsoft Remote Desktop application (Windows – built in, Mac - Mac App Store for free)
• Stable broadband internet connection
CMES Virtual Computer Lab Requirements (cont.)

- Students must be granted access
- Access can be granted by sending class rosters to IT
- Create Help Desk ticket by calling 1-4000, opt 1
- Email Class Roster to Gordon and Cooper, include Help Desk ticket # if possible
- Access will be removed after finals week is over
- All faculty will be granted access, if desired
CMES Virtual Computer Lab
Virtual vs Physical Labs

- Physical Labs must be accessed in person, virtual labs can be accessed nearly anywhere
- Social distancing can be maintained better with virtual computer labs
CMES Virtual Computer Lab

Demo
CMES Virtual Computer Lab

Questions and Answers