WRF Basic Tutorial Agenda: Winter 2021
January 25-29, 2021

**Please note that this tutorial will be held virtually. Lectures will be provided in advance for participants to view prior to each day of Q&A and practice sessions. Only Q&A and practice sessions will be live, and will be held at the times reflected in Mountain Standard Time (MST). Please ensure these times work for you before registering.**

Monday January 25
9:00 - 9:15 - Opening remarks and introductions
9:15 - 10:00 - Live Q&A session regarding class logistics
10:00 - 11:00 - Live Q&A session for the following presentation topics
  ● Introduction to the WRF Modeling System
  ● WPS: Fundamental Capabilities
  ● Program Real: Description of General Functions
  ● Running the WPS
  ● WRF: Set-up and Run
  ● Practice Instructions

*Break to work individually*
2:00 - 4:00 - Live Practice Session

Tuesday January 26
9:00 - 10:00 - Live Q&A session for the following presentation topics
  ● Nesting in WRF
  ● The NCL Post-processing Tool
  ● Fundamentals in Atmospheric Modeling
  ● Overview of Physical Parameterizations
  ● WRF Physics (Part 1)

*Break to work individually*
2:00 - 4:00: Live Practice Session

Wednesday January 27
9:00 - 10:00 - Live Q&A session for the following presentation topics
  ● WRF-ARW Dynamics Solver
  ● WRF Physics (Part 2)
  ● WRF Best Practices
  ● Compiling WRF and WPS

*Break to work individually*
2:00 - 4:00: Live Practice Session

Thursday January 28
9:00 - 10:00 - Live Q&A session for the following presentation topics
  ● Initialization for Idealized Cases
- Verification of WRF Simulations
- WRF Data, Utilities, and Post-processing
- Additional WRF Run-time Options

Break to work individually
2:00 - 4:00: Live Practice Session

Friday January 29
9:00 - 10:00 - Live Q&A session for the following presentation topics
- Advanced usage of the WPS
- WRF Four-dimensional Data Assimilation
- How to Use the WRF Registry
- WRF Computation

Break to work individually
12:30 - 2:30: Live Practice Session

Additional Resources
If we get add’l presentations, such as VAPOR, IDV, or maybe if Songyou’s talks aren’t recorded.