

August 31, 2020
MSE 2101 topics

- Science and religion – at irreconcilable odds?
- What is our Universe made of?
 - light matter
 - dark matter – MACHOs, WIMPs, and all that stuff
 - dark energy – stranger than fiction
- Building blocks of matter: atoms, molecules and compounds
- Protons, neutrons, electrons
- Charge and ions
- Chemical bonds
- Atomic number (Z) and mass number (A)
- Periodic table of elements
- Isotopes
- Phases of matter
- Energy: kinetic, potential (beware of the book error – no such thing as radiative energy!)