

October 22, 2021
MSE 2101 topics

- The sources of magnetic field
 - permanent magnets
 - electromagnets (dynamamos)
- The source of Earth's magnetic field
- The requirements for a planetary magnetic field
 - layer of melted metal
 - planet rotation
 - convection in the melted metal layer
- What happens to the planet in the absence of a magnetic field?
- How loss of atmosphere leads to the loss of liquid surface water
- The impact of volcanism, magnetic fields and tectonic plates on long-term habitability of the planet