

October 23, 2023
MSE 2101 topics

- The impact of volcanism, magnetic fields and tectonic plates on long-term habitability of the planet
- The one factor to drive it all: internal heat
- Sources of internal heat
 - Collisions and impacts
 - Gravitational contraction
 - Radioactive decay
- Retaining internal heat
 - Heat capacity proportional to volume
 - Heat emission (loss) proportional to surface area