Properties of action that are particularly relevant to this course:

1. **Dynamics and conservation of energy and momentum can be deduced from the Principle of Least Action.**

2. **It is action that is quantized in "Quantum" Mechanics.**

3. **Particles with even and odd numbers of quanta of action (ħ/2) obey Bose-Einstein and Fermi-Dirac statistics.**

4. **Action conjoins the quantities that are governed by the uncertainty principle.**

5. **Action is a Lorentz invariant.**