PHYS 210 - General Physics I

- Base Groups
- Rotation and forces
- Momentum & impulse

Base Gouls:

BGDG: Favorite treat!
BGWS
RQ

Uniform Circular Motion

- **A Ferris wheel has a 15 m radius and completes five turns about its horizontal axis every minute. Find the period. Next, find the centripetal accelerations on a passenger (in a seat at 15m from the axis) at the highest and lowest points. What are the forces on the passenger?**

Non-Uniform Circular Motion

- **In general, acceleration vector will have a component <u>perpendicular</u> to the path (i.e., a *centripetal* component) and a component <u>parallel</u> (or anti-parallel) to the path.**