

School Name: School of Health Sciences
Course Title: Biomechanics
Year: 2nd

Program Name: BPT
Course Code: BPT-205

- Write in detail about posture with types of bad posture.

- Describe the gait cycle in detail.
- Explain the time and distance parameters of gait with gait cycle.
- Write a detailed note on levers with human body examples with diagram and mechanical advantage.
- Describe the contracting mechanism of muscle with cross bridge formation and diagram.
- Write the static and dynamic stabilizers of shoulder joint.
- Discuss in detail about prehension and precision grips.
- Write in detail about pronation and supination twists.
- Explain the biomechanics of elbow joint.
- Write in detail about posture with types of bad posture.
- Write a detailed note on levers with human body examples with diagram and mechanical advantage.
- Write in detail about muscle structure with contractile units with diagram.
- Write about the biomechanics of shoulder joint.
- Discuss in detail about prehension and precision grips.
- Explain in detail about newtons laws and equilibrium.
- What is carrying angle? What are its abnormalities? Also, explain the kinetics and kinematics of elbow joint.