

**Geotechnical Analysis and Design**

**Code: PBW402**

**Hours: 3 (2+3+0)**

**Prerequisite(s): PBW302**

Foundations: bearing capacity, settlement, shallow foundations, pile foundations; Retaining walls and sheet-pile walls; Effect of water on foundation and dewatering strategies; Stability of slopes; Site investigation and selection of foundation type; Factors of safety in geotechnical design.