

### **CVE 570: DESIGN OF CONCRETE STRUCTURES III (3 Units)**

Selected problems of R.C structures; deep beam; brackets and corbels; beam column joints in skeletons arch, shell, and folded roof; general problems of modern walls and skeletons arch, shell, and folded roofs; general problems of modern walls and skeletal buildings. Prestressed concrete structure: principles, materials, methods of prestressing: systems of tendons and anchorages; losses of prestressing; analysis of p.c section, design of prestressed beams: development of P.C structures.