

ENCE-741: (UMD) Earth Retaining Structures

Types and uses of earth retaining structures and lateral earth pressure concepts and theories; analysis and design of retaining walls and shoring structures and their bracing systems, including conventional retaining walls, mechanically stabilized earth walls, cantilever and anchored sheet piling, cellular cofferdams, braced cuts, soil nailing, and the design of tiebacks and anchors; load and resistance factor design concept.

Prerequisites: CIEG-434.

Credits: 3

Program: Civil Engineering