

**Carbonate Depositional Systems** (3 credit hours): This course will provide an overview of the origin, diagenesis, and common depositional environments of carbonate accumulations.

#### **Course Outline**

1. General overview of carbonates
2. Conditions that influence carbonate formation
3. Carbonate constituents: allochems, micrite, and cements
4. Diagenesis of carbonates, e.g., ups and downs of porosity
5. Modern and ancient carbonate depositional systems