

Week # 3 - Topics

§ 2.2 Separable Equations (**SEP**); Homogeneous Equations (**HOM**); Bernoulli Equations (**BER**).

§ 2.3 Some basic mathematical models (mixture problems, falling and/or rising objects, Newton's Law of Cooling).

§ 2.4 Differences between linear and nonlinear equations; **Existence & Uniqueness Theorem** (Linear v. Nonlinear versions).
