



Problem Set – Seasonality

- Problem 1 (5 points)
 - Consider seasonal influenza whereby a different strain of influenza infects the population each year.
 - Consider an SEIR model with a temporally forced transmission rate
 - Find parameter values associated with seasonal influenza for your model
 - Use your model to show annual influenza outbreaks over five years

- Problem 2 (5 points)
 - Reflect on the effects of evolution, cross-immunity, temperature, and 'the school year' on seasonal outbreaks of an infectious disease