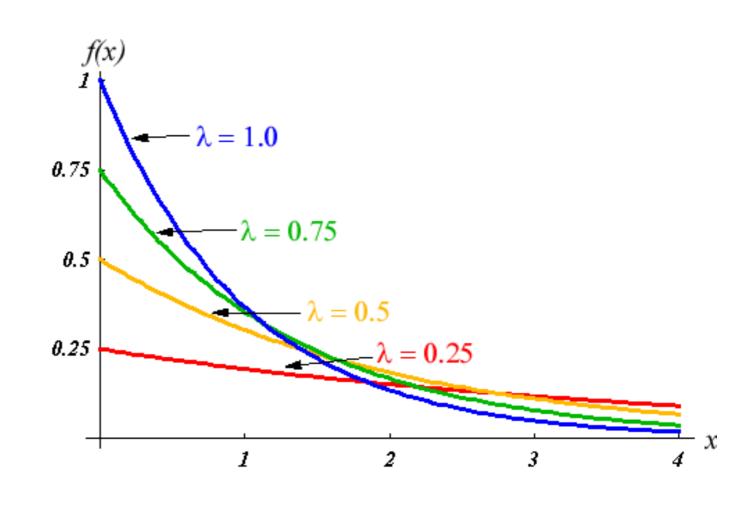
## Probability Density Function (PDF)

• Probability density function (PDF): depicting changes of the probability of failure up to a given time *t* 

 A common form of PDF is exponential distribution



## **Exponential PDF:**

$$f(t) = \begin{cases} \lambda e^{-\lambda t} & t \ge 0 \\ 0 & t < 0 \end{cases}$$