

Course Title: Chemical Process Analysis and Simulation	Number of Units: 1
SSD : ING-IND/26	CFU: 6
Course aims: The course will focus on the mathematical description of chemical and physical phenomena that occur in the process industry equipments.	
Course Description: Introduction to the methodological basis for the modelling of chemical processes of interest in industrial applications. Dynamics of Reaction in a non-isothermal CSTR: Stationary states, Oscillatory behaviour, Complex oscillations and chaos. Dynamics in Autocatalytic systems. Model characterization through computer simulations.	
Assumed Background:	
Assessment methods:	