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| N° ECUE | XA4S515 | | | | | | | | |
| Title | Process Simulation and TP Reactors and Exchangers | | | | | | | | |
| ECTS |  | Lecture(h)  CM | 0 | Tutorials (h)  TD | 7.5 | Pratical works (h) TP | 14 | Project (h) | 0 |
| Description  This ECUE aims to apply knowledge and skills developed in the ECUE of Chemical Process Engineering (Rector Hydrodynamics, Mass and Heat Transfer…). Students characterize and analyze mass or/and heat transfer in experimental or simulated basic unit operation of chemical process engineering. They work:   1. on experimental lab-scale pilot units (adsorption column, adsorption batch reactor, bubble column, heat exchanger, continuous reactors) 2. on a process simulation software coupling mass and heat transfers | | | | | | | | | |
| Key Words | Mass and heat exchangers, Residence Time Distribution, Process Simulation | | | | | | | | |
| Type of Evaluation | This ECUE is evaluated through   * 4 reports on pratical works * 1 report on process simulation project including the program of the simulated process | | | | | | | | |