

Study plan Biomanufacturing - start odd years

SEMESTER	CONTENT
1	28745 Industrial cell-based reaction engineering. 5 ECTS. 28761 Mathematical modeling for industrial applications. 5 ECTS. 28720 Downstream Processing. 7.5 ECTS.
2	42500 Innovation in Engineering (Polytechnical Foundation). 5 ECTS. 28737 Applied Chromatography Project. 10 ECTS.
3	28730 Transport Phenomena. 5 ECTS. 28751 Control systems in biomanufacturing. 5 ECTS. 28750 Systematic Methods for Process Design and Analysis. 7.5 ECTS.
4	12100 Quantitative methods to assess sustainability (Polytechnical Foundation). 5 ECTS. 28747 Applied Process Design and Intensification. 10 ECTS.
5	28725 Bioprocess Unit Operations and GMP Exercises. 7.5 ECTS. 28755 Process adaptation in Fermentation Based Biomanufacturing. 7.5 ECTS.
6	28777 Project management in applied industrial symbiose. 10 ECTS.
7	MSc project related to company. Graduation. 30 ECTS
8	

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