CHEN90031 Bioprocess Engineering

Level: 9 (Graduate/Postgraduate) Dates & Locations: This subject is not offered in 2013. Time Commitment: Contact Hours: 3 x one hour lectures + 1 x one hour tutorial per week + 2 x two hour practical work sessions per semester Total Time Commitment: Estimated 120 hours Prerequisites: Students should have completed the following subject prior to enrolling in this subject: CHEN30001 Reactor Engineering (.J./view/2012/CHEN30001) (Prior to 2010 CHEN40003) Reactor Engineering (.J./view/2012/CHEN30001) (Prior to 2010 CHEN40003) CHEN30001 may also be taken concurrently Corequisites: None Recommended Background Knowledge None Recommended Subjects: Credit will not be given for this subject and the following subjects: CHEN30001 Bioraccess Engineering (.J./view/2012/CHEN90009) BTCH90009 Errementation Processes (.J./view/2012/BTCH90009) BTCH90009 Errementation Processes (.J./view/2012/BTCH90009) BTCH90009 (CHEN30014 Bioprocess Engineering (.J./view/2012/BTCH90009) BTCH90009 (CHEN30014 Bioprocess Engineering (.J./view/2012/BTCH90009) BTCH90009 (CHEN30014 Bioprocess Engineering (.J./view/2012/BTCH90009) BTCH90009) BTCH90009 (CHEN30014 Bioprocess Engineering (.J./view/2012/BTCH90009) BTCH90009 (CHEN30014 Bioprocesses) (CHEN30014 Bioprocesses) (CheN30014 Bioprocesses) (CheN30014 Bioprocesses) (CheN30014 Bioprocesses) (CheN30014 Bioprocesses) (CheN30014 Bioprocesse) (CheN30014 Bioprocesse) (CheN3004 B		
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	Prescribed Texts:	None

Recommended Texts:	Schuler, M.L. and Kargi F. <i>Bioprocess Engineering – Basic Concepts</i> , 2002 2nd edition, Prentice hall PTD, Upper Saddle River NY Bailey J.E. and Ollis, D.F. <i>Biochemical Engineering Fundamentals</i> , 1986, 2nd edition, McGraw- Hill NY
Breadth Options:	This subject is not available as a breadth subject.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	The subject will enhance the following generic skills: # Capacity for independent thought # The ability to analyse and solve open-ended problems # The ability to comprehend complex concepts and communicate lucidly this understanding # Awareness of advanced technologies in the discipline # Ability to work in a team (practical work component)
Related Majors/Minors/ Specialisations:	B-ENG Chemical Engineering stream B-ENG Chemical and Biomolecular Engineering stream Master of Engineering (Biomolecular) Master of Engineering (Chemical)