

MEng (Structured) (Chemical Engineering) (Data Analytics)

Department of Chemical Engineering

Timetable 2024

Year	Module	Code	Code	Credits	Pre-requisite Co-requisite	Pre-reading start	Hybrid lecture block week		Post block end	Block week presentation mode	Department	Module lecturer(s)
1	Data Science (Eng)	14190	874	15	Pre-requisite: Programming 1st year university level or equivalent (enquire with DS lecturer)	04-Mar-24	15-Mar-24	22-Mar-24	03-May-24	F2F & online	Industrial Eng	Prof Mandla Gwetu
1	Applied Machine Learning	14022	874	15	Co-requisite: Data Sciences 774/874	08-Apr-24	22-Apr-24	26-Apr-24	07-Jun-24	F2F & online	Industrial Eng	Prof Andries Engelbrecht
1	Plantwide Dynamics and Control <i>Process Control 872</i>	10894	872	15		05-Aug-24	19-Aug-24	23-Aug-24	04-Oct-24	F2F & online	Chemical Eng	Prof Tobi Louw Prof Lidia Auret
2	Numerical Methods	36323	876	15		See information on SUNLearn module	29-Apr-24	30-Apr-24	See information on SUNLearn module	F2F & online	Applied Mathematics	Prof Hale nickhale@sun.ac.za
2	Optimisation (Eng)	14020	874	15	Co-requisite: Data Sciences 774/874; AML 774/874	03-Jun-24	18-Jun-24	24-Jun-24	02-Aug-24	F2F & online	Industrial Eng	Prof Jacomine Grobler Dr Philip Venter
2	Data Analysis for Dynamic Processes <i>Data Analysis and Modelling 872</i>	10884	872	15	Pre-requisite: Applied Machine Learning 874 and Data Science (Eng) 874		Second semester (dates TBC)			F2F & online	Chemical Eng	Prof Tobi Louw
3	Advanced Topics in Engineering Management	11748	873	15		05-Feb-24	19-Feb-24	23-Feb-24	05-Apr-24	F2F & online	Industrial Eng	Prof Calie Pistorius Prof Sara Grobbelaar
3	Integrated Process Data Analysis <i>Data Analysis and Modelling 873</i>	10884	873	15	Co-requisite: Chemical Engineering Research Project 872		First semester (dates TBC)			F2F & online	Chemical Eng	Prof Tobi Louw
3	Chemical Engineering Research Project	10882	872	60		Orientation Feb	Individual contact sessions with supervisor throughout year.		See thesis submission date on SUNLearn	Online	Chemical Eng	Supervisors