2025 TIMETABLE (to be confirmed Jan 2025)

Modules	Code	PGDip level	MEng level	Pre reading start	Lecture block days	Post block end	Block week presentation mode
Compulsory Core Data Science modules *Data Sciences PGDip students take 6 modules: DS, AML, OPT, DA, BDT, ADL - Data Sciences MEng students take 5 modules: DS, AML, OPT, DA, BDT*							
Data Science (Eng) (DS) *Presented by Industrial Engineering* Pre-requisite: Programming at 1st year university level or equivalent (students outside the DS programmes to confirm with the Data Sciences lecturer)	14190	774	874	24 Feb 25	10 Mar to 14 Mar 25	25 Apr 25	F2F & online
Applied Machine Learning (AML) *Presented by Industrial Engineering* Co-requisite: Data Sciences 774/874	14022	774	874	17 Mar 25	31 Mar + 1 Apr 25 14 Apr + 15 Apr 25 29 Apr 25	11 May 25	F2F*/ online
Optimisation (Eng) (OPT) *Presented by Industrial Engineering* Co-requisite: Data Sciences 774/874; AML 774/874	14020	774	874	19 May 25	2 Jun + 3 Jun 25 17 Jun + 18 Jun 25 30 Jun 25	13 Jul 25	F2F*/ online
Data Analytics (Eng) (DA) *Presented by Industrial Engineering* Co-requisite: Data Sciences 774/874; AML 774/874; Optimisation 774/874	13856	774	874	21 Jul 25	4 Aug + 5 Aug 25 18 Aug + 19 Aug 25 1 Sep 25	14 Sep 25	F2F*/ online
Big Data Technologies (BDT) *Presented by Industrial Engineering* Co-requisite: Data Sciences 774/874; AML 774/874;	14189	774	874	18 Aug 25	*Tue* 2 Sep + *Wed* 3 Sep 25 15 Sep + 16 Sep 25 29 Sep 25	12 Oct 25	F2F*/ online
Applied Deep Learning (ADL) *Presented by Industrial Engineering* Co-requisite: Data Sciences 774/874; AML 774/874; Optimisation 774/874	tbc	7xx	see section spec modules	8 Sep 25	22 Sep + 23 Sep 25 6 Oct + 7 Oct 25 20 Oct 25	2 Nov 25	F2F*/ online
Specializaton modules *Data Sciences MEng students choose **one** specialization module.*							
Internet of Things (IoT) *Presented by Industrial Engineering* Co-requisite: n.a.	14771	n.a.	874	30 Jun 25	*Fri* 11 Jul to *Thu* 17 Jul 25	29 Aug 25	F2F*/ online
Applied Deep Learning (ADL) *Presented by Industrial Engineering* Co-requisite: Data Sciences 774/874; AML 774/874; Optimisation 774/874	tbc	see section core modules	8xx	8 Sep 25	22 Sep + 23 Sep 25 6 Oct + 7 Oct 25 20 Oct 25	2 Nov 25	F2F*/ online
Robotics I**** Robotics II**** *Presented by Mechanical & Mechatronic Eng.* Note:pre-requisites! contact mfrei@sun.ac.za	13014	n.a.	814	See information on SUNLearn module	tbc	See information on SUNLearn module	F2F only
Advanced Dynamics I**** Advanced Dynamics II**** Presented by Mechanical & Mechatronic Eng. Note:pre-requisites! contact mfrei@sun.ac.za	62960	n.a.	814	See information on SUNLearn module	tbc	See information on SUNLearn module	F2F only
Elective and Generic modules *Data Sciences PGDip students take the **two** generic modules : Project Management 713 and Industrial Management 744.* *Data Sciences MEng students choose **two** of the modules listed below.*							
Advanced Topics in Engineering Management (ATEM) / **Industrial Management** (IM) *Presented by Industrial Engineering*	11748 53937	744	873	10 Feb 25	24 Feb to 28 Feb 25	11 Apr 25	F2F & online
Numerical Methods I** **Numerical Methods II**** *Presented by Div. of Applied Mathematics*	36323		876	See information on SUNLearn module	19 Mar + 20 Mar 25 16 Apr + 17 Apr 25	See information on SUNLearn module	F2F & online
Project Management (PM) *Presented by Industrial Engineering*	51993	713	873	26 May 25	9 Jun to 13 Jun 25	25 Jul 25	F2F & online
Project Economics and Finance** *Presented by Dep. Civil Engineering*	58157		812	Pre-reading posted on SUNLearn	5 May to 9 May 25	See information on SUNLearn	F2F & online
Additional Compulsory Module							
Professional Communication	59447	771	871	Module opens end of February	Selfstudy module on SUNLEARN with deadline 11 April 2024		online selfpaced
MEng struc: Research assigment module							
Research assignment (Industrial Engineering) 60 credits Pre-requisite: Passing of all 5 core modules to start the assignment in the next year. You might need to bid before all marks are released, see info on SUNLearn	10881		876		The submission dates are listed on the SUNLearn module		

Note: 7xx modules are taught on PGDip level.   8xx modules are taught on MEng level.

* Check on the respective SUNLearn module if this module is offered F2F or synchronous online only

** This module is offered by the Applied Maths Department. Enquire details on https://appliedmaths.sun.ac.za/Postgrad/

*** This module is offered by the Dept. of Civil Engineering. Enquire details on presentation mode/module structure here: https://civeng.sun.ac.za/current-postgraduates/

**** This module is offered by the Dep. of Mechanical&Mechatronic Engineering. Enquire details on pre-requisites/presentation mode/module structure/