

Sem	Course Code	Course Description	Faculty Name
2	A1.1	Introductory Experimental Aerodynamics	Mir Feroskhan
2	A1.2	Propulsion	Chan Wai Lee
2	A1.3	Instrumented Fuselage & Cylindrical Pressure Vessel	Sunil C. Joshi
2	A1.4	Structural Vibration Analysis	Ng Teng Yong
2	A1.5	Flight Mechanics Basics	Ng Bing Feng
2	A1.6	Fluid Power in Integrated Landing Gear System	Chow Wai Tuck
2	A1.8	Design of Glider	Ng Bing Feng
2	CC0006	Sustainability: Society, Economy & Environment	Sridhar Idapalapati
2	CC0007	Science & Technology for Humanity	Felix Lena Stephanie
2	E2.11	Hands-on Machining Practice - Lathe	Su Pei-Chen
2	E2.12	Hands-on Machining Practice - Milling	Tung Siew Kong*
2	E2.13	Hands-on - VR/AR	Cai Yiyu
2	E2.2	Study of Fan Performance Using Dimensional Analysis	Chung Yau Lam
2	E2.3	Energy Balance in a Compressor	Shen Xinhui
2	E2.4	Dimensional Measurement of Components	Wang Yifan
2	E2.6	Frictional Losses in Pipes and Fittings	Liu Shukui
2	E2.7	Refrigeration Cycle Experiment	Ng Yin Kwee
2	E2.8	Non-destructive Testing	Sunil C. Joshi
2	E2.9	Balancing of Rotating Masses	Wu Mao See

Sem	Course Code	Course Description	Faculty Name
2	E3.1	Dynamic Vibration Absorber	Yap Fook Fah
2	E3.2	Vibration of a 2-DOF System	Yeo Song Huat
2	E3.3	Computer Modelling, Simulation and Control of an Electromechanical System	Xie Ming
2	E3.5	Heat Exchanger	Fan Zheng, David
2	E3.6	Transient Heat Conduction	Fei Duan
2	E3.7	Collaborative Computer-aided Engineering on the Fusion 360 Platform	Lee Yong Tsui*
2	EG1001	Engineers in Society	Heng Kok Hui, John Gerard
2	EG1001	Engineers in Society	Lim Yeow Khee
2	MA0218	Introduction to Data Science and Artificial Intelligence	Mohamed Arif Bin Mohamed
2	MA0303	Human Resource Management	Chen Songlin
2	MA1001	Dynamics	Yap Fook Fah
2	MA1008	Introduction to Computational Thinking	Lee Yong Tsui*
2	MA1700	Aerospace Discovery Course	Ng Bing Feng
2	MA2001	Mechanics of Materials	Chou Siaw Meng
2	MA2002	Theory of Mechanism	Yeo Song Huat
2	MA2003	Introduction to Thermo-fluids	Huang Changjin
2	MA2005	Engineering Graphics	Shen Xinhui
2	MA2006	Engineering Mathematics	Xiao Zhongmin
2	MA2007	Thermodynamics	Fei Duan
2	MA2009	Intro to Electrical Circuits & Electronic Devices	Li Hong

Sem	Course Code	Course Description	Faculty Name
2	MA2011	Mechatronics System Interfacing	Cai Yiyu
2	MA2013	Creative Thinking Design	Moon Seung Ki
2	MA2024	Engineering Materials & Manufacturing Processes	Su Pei-Chen
2	MA2071	Laboratory Experiments (ME)	Wu Mao See
2	MA2079	Engineering Innovation and Design	Chou Siaw Meng
2	MA2700	Aerospace Materials & Manufacturing Processes	Chow Wai Tuck
2	MA3001	Machine Element Design	AW KUAN THAI (HU GUANTAI)
2	MA3002	Solid Mechanics and Vibration	Wu Mao See
2	MA3003	Heat Transfer	Ho Jin Yao
2	MA3004	Mathematical Methods in Engineering	Ang Whye Teong
2	MA3005	Control Theory / MA3705 Aerospace Control Theory	Lum Guo Zhan
2	MA3006	Fluid Mechanics	Liu Shukui
2	MA3071	Engineering Experiments (ME)	Shu Jian Jun
2	MA4001	Engineering Design	Ang Hock Eng
2	MA4002	Fluid Dynamics	Tuan TRAN
2	MA4012	Mechatronics Engineering Design	Heng Kok Hui, John Gerard
2	MA4807	Marine Structural Integrity	Huang Weimin
2	MA4808	Marine Control Systems	Ang Hock Eng
2	MA4813	Building Services Engineering	Wan Man Pun
2	MA4819	Energy Technologies for Sustainability	Sridhar Idapalapati

Sem	Course Code	Course Description	Faculty Name
2	MA4829	Machine Intelligence	Moon Seung Ki
2	MA4830	Realtime Software for Mechatronic Systems	Ahmad Khairyanto Bin Ratmin
2	MA4831	Computer-aided Engineering	Cai Yiyu
2	MA4843	Management of Product Development	Moon Seung Ki
2	MA4845	Additive Manufacturing in Industry 4.0	Leong Kah Fai
2	MA4846	Product Design Engineering	Lee Siang Guan, Stephen*
2	MA4849	Operations Research	Lye Sun Woh
2	MA4853	Manufacturing Systems	Li Dong
2	MA4854	Quality Assurance and Management	Felix Lena Stephanie
2	MA4870	Mechanics of Composite Materials	Chai Gin Boay
2	MA4871	Non-Destructive Testing	Fan Zheng, David
2	MA4878	Unmanned Aerial Vehicles	Mir Feroskhan
2	MA4880	Airport Operations & Systems	Sameer Alam
2	MA4891	AI/ML to Engineering Applications	Lum Guo Zhan
2	MA4892	Engineering Project Management: Principles & Practice	Felix Lena Stephanie
2	MA5006	Start from Zero to Millions - Venture Capital	Heng Kok Hui, John Gerard
2	MA5007	Integrated Design and Practice	Li King Ho, Holden
2	MA5105	Engineering Management Analysis	Chen Songlin
2	P3.10	Plastic Injection Moulding	Hortense Le Ferrand

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2	P3.13	Performance Evaluation of Milling Operations	Liang Xuan
2	P3.14	Evaluation of Surface Finish Produced by Various Methods	Murukeshan Vadakke Matham
2	P3.15	Product Disassembly	Chen Chun-Hsien
2	P3.18	Motion Control of a Ball Screw System	Ahmad Khairyanto Bin Ratmin
2	P3.23	Gas Turbine	Tuan TRAN
2	P3.24	Flow Over an Airfoil	Chan Weng Kong
2	P3.25	Compressible Flow	Wu Yanhua
2	P3.26	Fan Characteristics for Different Impellers	Chung Yau Lam
2	P3.27	Thermal Radiation	Yang Chun, Charles
2	P3.32	Introduction to Mechatronics	Ahmad Khairyanto Bin Ratmin
2	P3.33	Metaverse in Engineering	Cai Yiyu
2	P3.34	Pending*	Lai Changquan
2	P3.35	Autonomous Manufacturing Systems*	Lai Changquan
2	P3.4	Ultimate Load of Beams Under Bending	Li Hua
2	P3.5	Machine Vibration Analysis and Fault Recognition	Tan Soon Huat
2	P3.9	CAD/CAM and CNC	Lye Sun Woh
2	RE1017	Introduction to Engineering Mechanics	Du Hejun
2	RE2012	Renaissance Design II	Tai Kang