

Class Schedule for Summer Semester Academic Year 2018

No.	Course No.	Course Title	Credit	Sec.	Date	Time	Instructor	Dept.	Course Description	Remark
1	2301107	Calculus I	3(3-0-6)	51	Mon	08.00-10.00	Prof. Yotsanan Meemark, Ph.D. Asst. Prof.Ratinan Boonklurb, Ph.D.	MATH	Limit, continuity, differentiation and integration of real-valued functions of a real variable and their applications; techniques of integration; improper integrals.	
					Tue	08.00-10.00				
					Wed	08.00-10.00				
					Thu	08.00-10.00				
					Fri	08.00-10.00				
2	2301108	Calculus II	3(3-0-6)	51	Mon	08.00-10.00	Asst.Prof.Tuangrat Chaichana, Ph.D Asst.Prof. Phantipa Thipwiwatpotjana, Ph.D.	MATH	CONDITION: PRER 2301107 Mathematical induction; sequences and series of real numbers; Taylor series expansion and approximation of elementary functions; numerical integration; vectors, lines and planes in three dimensional space; calculus of vector valued functions of one variable; calculus of real valued functions of two variables; introduction to differential equations and their applications.	
					Tue	08.00-10.00				
					Wed	08.00-10.00				
					Thu	08.00-10.00				
					Fri	08.00-10.00				
3	2301312	Differential Equations	3(3-0-6)	51	Mon	13.00-16.00	Teeradej Kittipassorn, Ph.D. Asst.Prof.Khamron Mekchay, Ph.D.	MATH	Condition: PRER 2301108 Existence and uniqueness theorem of solution of first order equations; initial value problem; Laplace transform; Taylor series expansion of elementary functions; numerical methods; general linear equations; solution in series; linear partial differential equations boundary value problems.	
					Wed	13.00-16.00				
					Fri	13.00-16.00				
4	2301216	Linear Algebra & Differential Equation	3(3-0-6)	51	Mon	13.00-16.00	Asst.Prof.Keng Wiboonatan, Ph.D. Asst.Prof.Sujin Khomrutai, Ph.D.	MATH	CONDITION: PRER 2301108 System of linear algebraic equations; linear spaces; inner products; eigenvalues and eigenvectors; principal axis theorem; higher-order linear differential equations; method of variation of parameters; system of first-order linear differential equations; qualitative analysis and dynamical system.	
					Tue	13.00-16.00				
					Wed	13.00-16.00				
					Thu	13.00-16.00				
					Fri	13.00-16.00				
5	2304153	Physics for Engineers	3(3-0-6)	1	Mon	13.00-15.00	Staff	PHYS	Mechanics of particles and rigid bodies, properties of matter, fluid mechanics, heat, vibrations and waves, elements of electromagnetism, optics, modern physics.	
					Tue	13.00-15.00				
					Wed	13.00-15.00				
					Thu	13.00-15.00				
					Fri	13.00-15.00				

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6	2304154	Physics and Electronics for Engineers	3(3-0-6)	1	Mon	15.00-17.00	Staff	PHYS	Electricity; DC circuit; AC circuit; basic electronics; solid state devices; electrical actuators.	
					Tue	15.00-17.00				
					Wed	15.00-17.00				
					Thu	15.00-17.00				
					Fri	15.00-17.00				
7	2183213	Mechanics of Materials	3(3-0-6)	1	Mon	09.00-12.00	Asst.Prof.Tawan Paphapote	ME	CONDITION: PRER 2183212 Force and stress; stresses and strains relationship; Hooke's law; modulus of elasticity; stresses in beams; shear force; bending moment diagrams; deflection of beams; torsion; buckling of columns; Mohr's circle; combined stresses; failure criterion; safety factors.	
					Wed	09.00-12.00				
					Fri	09.00-12.00				
8	2302105	Chemistry for Engineers	3(3-0-6)	1	Mon	13.00-16.00	Staff	SCI	Stoichiometry and basis of the atomic theory; properties of the three states of matter and solution; thermodynamics; chemical equilibrium; Oxidation-reduction; chemical kinetics; the electronic structures of atoms and the chemical bond; periodic table; nonmetal and transition metal.	
					Tue	13.00-16.00				
					Wed	13.00-16.00				
					Thu	13.00-16.00				
					Fri	13.00-16.00				
9	3900115	SP ACT-MUAYTHAI	1(0-2-1)		Mon	16.00-18.00	Staff	SCI		
					Tue	16.00-18.00				
					Wed	16.00-18.00				
					Thu	16.00-18.00				
					Fri	16.00-18.00				
10	2145481	Introduction to UAV	3(3-0-6)	1	Mon	09.00-12.00	Staff	ISE	Introduction to Unmanned Aerial Vehicles, UAV payload, communication system and data link, aircraft design process and initial sizing, basic aerodynamics of small UAVs, propulsion and flight control system for small UAV, structural design and basic detailed design, UAV construction, flight test.	It will started on July 1 to July 19, 2019
					Tue	09.00-12.00				
					Wed	09.00-12.00				
					Thu	09.00-12.00				
					Fri	09.00-12.00				

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No.	Course No.	Course Title	Credit	Sec.	Date	Time	Instructor	Dept.	Course Description	Remark
11	2143488	Big Data and Artificial Intelligence	3(3-0-6)	1	Mon	13.00-16.00	Staff	ISE	Introduction to data science, basic concepts and application of data science, data types, scale of measurement, life-cycle of data science project, modelling, evaluation and deployment, exploratory data analysis, summary statistics, presentation and visualisation, unsupervised methods, k-means, association rules, clustering evaluation, supervised methods, ensemble methods, classifiers evaluation and comparison, statistical modelling and machine learning methods.	It will started on July 1 to July 19, 2019
					Tue	13.00-16.00				
					Wed	13.00-16.00				
					Thu	13.00-16.00				
					Fri	13.00-16.00				
12	2142252	Manufacturing Process for Automotive Eng II	3(3-0-6)	1	TBA	TBA	Assoc. Prof. Somkiat Tangjitsitcharoen, Ph.D.	MET		
13	2182203	Probability and Statistics for Eng	3(3-0-6)	1	TBA	TBA	Asst. Prof. Charnchai Pluempitiwiriyaewej, Ph.D.	EE		
14	2183211	Engineering Mechanics	4 (4-0-8)	1	TBA	TBA	Asst.Prof.Tawan Paphapote	ME		
15	2182202	Advance Mathematics Method	3(3-0-6)	1	TBA	TBA	Asst. Prof. Charnchai Pluempitiwiriyaewej, Ph.D.	EE		
16	2183221	Thermodynamics	3(3-0-6)	1	TBA	TBA	Chirdpun Vitooraporn, Ph.D.	ME		