

**LEE KONG CHIAN FACULTY OF ENGINEERING AND SCIENCE**  
**(LKC FES)**

**Grouping of Elective Courses for May 2018 Trimester**

To: ALL LKC FES Students

The grouping of the elective courses offered in May 2018 trimester is shown as per tables below. Courses that grouped in the same group may have the possibility of timetable clashing. Therefore, you might able to choose **ONE** of the elective courses **ONLY** from the same group.

*(For example, for 3E programme, Group 1, 2, 3 and 4 will not have timetable clashing. However, UEME4393 and UEEA4663 which are in Group 1 might have timetable clashing.)*

**Bachelor of Engineering (Hons) Electrical & Electronic Engineering (3E)**

Course Code	Course Title	Grouping
UEME4393	Quality and Reliability Engineering	Group 1
UEEA4663	Embedded System Design	
UEET4293	Electromagnetic Compatibility	Group 2
UEEA2353	Digital System Design	
UECS2413	Problem Solving with Data Structures and Algorithms	Group 3
UEET4773	RF Circuit Design	
UEMH4523	Micro-Electromechanical System (MEMS)	Group 4

**Bachelor of Engineering (Hons) Electronic & Communications Engineering (EC)**

Course Code	Course Title	Grouping
UEME4393	Quality and Reliability Engineering	Group 1
UEEA4663	Embedded System Design	
UECS2083	Problem Solving with Data Structures and Algorithms	Group 2
UEET4773	RF Circuit Design	
UEET4293	Electromagnetic Compatibility	Group 3

**Bachelor of Engineering (Hons) Electronics (Computer Networking) (ET)**

Course Code	Course Title	Grouping
UEEA4663	Embedded System Design	Group 1
UECS2103	Operating Systems	
UEET4773	RF Circuit Design	Group 2
UECS2083	Problem Solving with Data Structures and Algorithms	
UECS3253	Wireless Application Development	Group 3

**Bachelor of Engineering (Hons) Mechanical Engineering (ME)**

Course Code	Course Title	Grouping
UEMT4223	Nanotechnology: Materials and Fabrications	Group 1
UEME4393	Quality and Reliability Engineering	
UEMH4523	Micro-Electromechanical Systems (MEMS)	Group 2
UEME4423	Manufacturing Technology II	Group 3
UEMT3143	Industrial Engineering	Group 4

**Bachelor of Engineering (Hons) Materials and Manufacturing Engineering (MM)**

Course Code	Course Title	Grouping
UEMT3243	Physical Metallurgy	Group 1
UEMT4223	Nanotechnology: Materials and Fabrications	
UEMH4523	Micro-Electromechanical Systems (MEMS)	Group 2
UEME4343	Computational Methods in Solid Mechanics	
UEME3133	Mechanics of Machines	Group 3

**Bachelor of Science (Hons) Physics (PH)**

Course Code	Course Title	Grouping
UEEP2613	Microelectronic Fabrication	Group 1
UEEP3623	Process Integration and IC Manufacturing	Group 2
UEEP3343	Quantum Computing	
UEEP2623	Microelectronic Circuit Analysis	Group 3

**Bachelor of Science (Hons) Software Engineering (SE)**

Course Code	Course Title	Grouping
UECS3203	Advanced Database Systems	Group A1
UECS2373	Team Project	
UECS3263	iOS Application Development	Group A2
UECS3173	Programming with Game Engines	
UEEN3123	TCP/IP Network Application Development	Group A3

UALE1083	Basic Professional Writing	Group B1
UALL3033	Public Speaking and Oral Presentation	Group B2
UALL1063	Oral Communication & Interpersonal Skills	
UBMM1013	Management Principles	Group B3
UKMM1043	Basic Economics, Accounting and Management	

**Bachelor of Engineering (Hons) Civil Engineering (CI)**

Course Code	Course Title	Grouping
UEMX4963	Engineering Application in Environment	Group 1
UEMX4393	Concrete Technology	Group 2
UEMX4293	Finite Element Method in Structural Engineering	
UEMX4533	Water Resources System	Group 3

**Bachelor of Engineering (Hons) Mechatronics Engineering (MH)**

Course Code	Course Title	Grouping
UEMH4523	Micro-Electromechanical Systems (MEMS)	Group 1
UEME3133	Mechanics of Machines	
UEEA4663	Embedded System Design	Group 2
UEME4393	Quality and Reliability Engineering	
UEMH4133	Modeling of Mechatronics System	Group 3

**Bachelor of Engineering (Hons) Biomedical Engineering (BI)**

Course Code	Course Title	Grouping
UEMB4263	Advanced Biomechanics	Group 1
UEMB4223	Neurobiology	
UEMB4213	Advanced Tissue Engineering	Group 2
UEMB4233	Therapeutics Devices	

**Bachelor of Science (Hons) Applied Mathematics with Computing (AM)**

Course Code	Course Title	Grouping
<b>Electives (Major)</b>		
UECM2273	Mathematical Statistics	Group A1
UECM2313	Graph Theory	
UECM3383	Cryptology	Group A2
UECM3253	Applied Nonparametric Statistics	
UECM2483	Statistical Simulation for Insurance and Finance	Group A3
UECM3013	Complex Analysis	
UECM1403	Theory of Interest	Group A4
<b>Electives (Liberal Arts)</b>		
UALL3033	Public Speaking and Oral Presentation	Group B1
UALL1063	Oral Communication and Interpersonal Skills	
UALE1083	Basic Professional Writing	Group B2
UKAF1073	Business Accounting II	Group B3

## Bachelor of Science (Hons) Actuarial Science (AS)

Course Code	Course Title	Grouping
<b>Electives (Major)</b>		
UECM2273	Mathematical Statistics	Group A1
UECM3463	Loss Models	
UECM2093	Operations Research I	Group A2
UECM3253	Applied Nonparametric Statistics	
UECM2483	Statistical Simulation for Insurance and Finance	Group A3
UECM3493	Introduction to Time Series and Forecasting	
UECM3433	Introduction to Ratemaking and Reserving	Group A4
<b>Electives (Minor)</b>		
UKFF2013	Business Finance	Group B1
UKFF3363	Islamic Finance	
UKFF3283	Portfolio Management	Group B2
<b>Electives (Liberal Arts)</b>		
UALL3033	Public Speaking and Oral Presentation	Group C1
UALL1063	Oral Communication and Interpersonal Skills	
UALE1083	Basic Professional Writing	Group C2
<b>Electives (Project)</b>		
UECM3563	Actuarial Modelling	Group D1
UECM3583	Project I	
UECM3533	Case Study on Insurance Practice	Group D2
UECM3593	Project II	Group D3

## Bachelor of Science (Hons) Financial Mathematics (FM)

Course Code	Course Title	Grouping
<b>Electives (Major)</b>		
UECM2483	Statistical Simulation for Insurance and Finance	Group A1
UECM3243	Time Series Analysis	
UECM2093	Operations Research I	Group A2
UECM2273	Mathematical Statistics	Group A3
UECM2063	Calculus III	Group A4

<b>Electives (Minor)</b>		
UECM2433	Introduction to Risk Management and Insurance	Group B1
UKFF3363	Islamic Finance	Group B2
UKAF1073	Business Accounting II	Group B3

<b>Electives (Liberal Arts)</b>		
UALL3033	Public Speaking and Oral Presentation	Group C1
UALL1063	Oral Communication and Interpersonal Skills	
UALE1083	Basic Professional Writing	Group C2

<b>Electives (Project)</b>		
UECM3583	Project I	Group D1
UECM3593	Project II	Group D2

**Note:** *There is no grouping for Bachelor of Engineering (Hons) Chemical Engineering (CL) programme.*

Please email to your Head of Department if you have any queries on the elective courses' grouping.

Thank you.

Faculty General Office  
Lee Kong Chian Faculty of Engineering and Science