

**PEMINDAHAN KREDIT SECARA MENEGAK (VERTIKAL)
PROGRAM SARJANA MUDA TEKNOLOGI KEJURUTERAAN PEMBUATAN (FARMASEUTIKAL) DENGAN
KEPUJIAN (BTF)**

NO	COURSE CODE	COURSE NAME	INSTITUTION & COURSE
1	BTF1112	PHARMACEUTICAL ORGANIC CHEMISTRY	UNIVERSITI MALAYSIA PAHANG AL-SULTAN ABDULLAH DUK1123 GENERAL CHEMISTRY II OR DRS1743 ORGANIC CHEMISTRY UNIVERSITI TEKNOLOGI MARA (UiTM) CHM207 ORGANIC CHEMISTRY OR PHD114 PHARMACEUTICAL CHEMISTRY I AND PHD124 PHARMACEUTICAL CHEMISTRY II OR CHM301 ORGANIC CHEMISTRY II AND CHM258 FUNDAMENTAL OF ORGANIC CHEMISTRY IJN UNIVERSITY COLLEGE (IJN) DPH1033 PHARMACEUTICAL CHEMISTRY I AND DPH1243 PHARMACEUTICAL CHEMISTRY II KOLEJ KEMAHIRAN TINGGI MARA (AM) (KKTMM001) DHV10013 GENERAL CHEMISTRY PUSRAWI INTERNATIONAL UNIVERSITY COLLEGE (PICOMS)/ UNIVERSITI ANTARABANGSA MAIWP PDMS4143 BASIC CHEMISTRY II AND PDMS4133 BASIC CHEMISTRY I OR PDF4433 PHARMACEUTICAL ORGANIC CHEMISTRY UNIVERSITI TUN HUSSEIN ONN MALAYSIA (UTHM) DAS12503 ORGANIC CHEMISTRY
2	BTF1213	MICROBIOLOGY	UNIVERSITI PENDIDIKAN SULTAN IDRIS SBU1023 BIODIVERSITY OF PLANTAE AND ANIMALIA AND SBU1013 WORLD OF CELL MANAGEMENT & SCIENCE UNIVERSITY (MSU) PBO10103 MICROBIOLOGY PUSRAWI INTERNATIONAL UNIVERSITY COLLEGE (PICOMS)/ UNIVERSITI ANTARABANGSA MAIWP PDF1442 BASIC MICROBIOLOGY AND PDF1453 PHARMACEUTICAL MICROBIOLOGY OR PDF4443 MICROBIOLOGY OR PDML4213 BASIC MICROBIOLOGY UNIVERSITI SULTAN ZAINAL ABIDIN (UNISZA) DBL21203 BASIC MICROBIOLOGY KPJ INTERNATIONAL COLLEGE OF NURSING AND HEALTH SCIENCES (012021) PABI131.2 INTEGRATED MICROBIOLOGY AND PAPM321.2 PHARMACEUTICAL MICROBIOLOGY UNIVERSITI KUALA LUMPUR

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			RPD 12603 MICROBIOLOGY IN PHARMACY UNIVERSITI TEKNOLOGI MARA (UiTM) MIC125 GENERAL MICROBIOLOGY AND MIC254 FOOD MICROBIOLOGY UNIVERSITI MALAYSIA PAHANG AL-SULTAN ABDULLAH DRS2343 MICROBIOLOGY AND DRS2432 MICROBIOLOGY LABORATORY IJN UNIVERSITY COLLEGE (IJN) DPH2123 PHARMACEUTICAL MICROBIOLOGY KOLEJ KEMAHIRAN TINGGI MARA (AM)(KKTMM001) DHV20043 MICROBIOLOGY UNIVERSITI TUN HUSSEIN ONN MALAYSIA (UTHM) DAS26503 MICROBIOLOGY
3	BTF1233	PHARMACEUTICAL FORMULATION AND DOSAGE FORMS	KOLEJ KEMAHIRAN TINGGI MARA (AM)(KKTMM001) DHV50184 NUTRACEUTICAL FORMULATION TECHNOLOGY AND DHH50214 SEMI-SOLID AND SOLID DOSAGE FORM FORMULATION AND DHH30123 LIQUID FORMULATION UNIVERSITI TEKNOLOGI MARA (UiTM) PHD211 SEMI SOLID DOSAGE FORM AND PHD212 SOLID DOSAGE FORM AND PHD123 LIQUID DOSAGE FORMS PUSRAWI INTERNATIONAL UNIVERSITY COLLEGE (PICOMS)/UNIVERSITI ANTARABANGSA MAIWP PDF4313 PHARMACEUTICAL I AND PDF4323 PHARMACEUTICAL II AND PDF4333 PHARMACEUTICAL III AND PDF4343 PHARMACEUTICAL IV
4	BTF1513	ENGINEERING SCIENCE	POLITEKNIK DBS1012 ENGINEERING SCIENCE OR DBS10012 ENGINEERING SCIENCE UNIVERSITI MALAYSIA PAHANG AL-SULTAN ABDULLAH DRK1123 ENGINEERING MECHANICS AND DRK1411 BASIC SCIENCE AND ENGINEERING LABORATORY
5	BTF1523	ELECTRICAL FUNDAMENTALS	UNIVERSITI PENDIDIKAN SULTAN IDRIS SFE1023 ELECTRICITY AND MAGNETISM POLITEKNIK DET10013 ELECTRICAL TECHNOLOGY AND DET20033 ELECTRICAL CIRCUITS OR DJJ20053 ELECTRICAL TECHNOLOGY UNIVERSITI TEKNOLOGI MARA (UiTM) PHY150 ELECTRICITY AND MAGNETISM

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			UNIVERSITI TUN HUSSEIN ONN MALAYSIA (UTHM) DAU10203 FUNDAMENTALS OF ELECTRIC AND ELECTRONIC
6	BTF2323	FLUID MECHANICS	UNIVERSITI MALAYSIA PAHANG AL-SULTAN ABDULLAH DKK2233 FLUID MECHANICS OR DKK2373 FLUID MECHANICS OR DRK2133 FLUID MECHANICS POLITEKNIK DCN3113 HYDRAULICS OR DGP2053 FLUID MECHANICS OR DGU2053 FLUID MECHANICS OR DJJ2093 FLUID MECHANICS OR GP505 FLUID MECHANICS OR DJJ20073 FLUID MECHANICS UNIVERSITI KUALA LUMPUR CLD10603 FLUID MECHANICS UNIVERSITI TENAGA NASIONAL MEHD224 MECHANICS OF FLUIDS UNIVERSITI TUN HUSSEIN ONN MALAYSIA (UTHM) DAK10703 FLUID MECHANICS OR DAK12403 FLUID MECHANICS OR DAK22403 FLUID MECHANICS TERENGGANU ADV TECHNICAL INS. (TATI) DTC1053 FLUIDS MECHANICS UNIVERSITI TEKNOLOGI MALAYSIA DDWJ2303 FLUID MECHANICS 1 AND DDWJ3303 FLUID MECHANICS 2 UNIVERSITI TEKNOLOGI MARA (UiTM) PHY210 MECHANICS II AND THERMAL PHYSICS
7	BTF2333	THERMODYNAMICS	UNIVERSITI MALAYSIA PAHANG AL-SULTAN ABDULLAH DKK2253 THERMODYNAMICS OR DKK2333 THERMODYNAMICS OR DRK1213 THERMODYNAMICS UNIVERSITI TUN HUSSEIN ONN MALAYSIA (UTHM) DAK10603 THERMODYNAMICS OR DAK20603 THERMODYNAMICS OR DAK20703 THERMODYNAMICS POLITEKNIK DGP2043 THERMODYNAMICS OR DGU2043 THERMODYNAMICS OR DJJ2073 THERMODYNAMICS OR GP203 THERMODYNAMICS OR DJJ20063 THERMODYNAMICS TERENGGANU ADV TECHNICAL INS. (TATI)

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			DTC2073 THERMODYNAMIC UNIVERSITI TEKNOLOGI MALAYSIA DDWJ2413 THERMODYNAMICS 1 AND DDWJ2423 THERMODYNAMICS 2 UNIVERSITI KUALA LUMPUR CLD20302 THERMODYNAMICS AND CPD30302 PILOT PLANT OPERATION UNIVERSITI TEKNOLOGI MARA (UiTM) CHM271 PRINCIPLES OF PHYSICAL CHEMISTRY AND PHY210 MECHANICS II AND THERMAL PHYSICS
8	BTF2533	COMPUTER-AIDED DESIGN	UNIVERSITI MALAYSIA PAHANG AL-SULTAN ABDULLAH (UMPSA) DRK1333 COMPUTER APPLICATION AND ENGINEERING GRAPHICS POLITEKNIK DJJ30122 COMPUTER AIDED DESIGN AND DJJ10013 ENGINEERING DRAWING
9	BTF2543	PROCESS CONTROL & INSTRUMENTATION	UNIVERSITI MALAYSIA PAHANG AL-SULTAN ABDULLAH (UMPSA) DKK2443 PROCESS INSTRUMENTATION & CONTROL OR DRK2393 PROCESS CONTROL & INSTRUMENTATION
10	BTF2632	INTRODUCTION TO GOOD MANUFACTURING PRACTICES	KOLEJ KEMAHIRAN TINGGI MARA DHV40133 GOOD MANUFACTURING PRACTICE (GMP)
11	BTF3312	PACKAGING TECHNOLOGY	KOLEJ KEMAHIRAN TINGGI MARA DHV50193 PACKAGING, BRANDING AND LABELLING AND DHH50203 STABILITY STUDIES
12	BTF3392	OSH IN PHARMACEUTICAL INDUSTRY	UNIVERSITI MALAYSIA PAHANG AL-SULTAN ABDULLAH DRS1751 OCCUPATIONAL SAFETY AND HEALTH AND DRS1713 INDUSTRIAL AND LABORATORY SAFETY
13	BTF3373	QUALITY MANAGEMENT SYSTEM	UNIVERSITI MALAYSIA PAHANG AL-SULTAN ABDULLAH DRS2763 LABORATORY QUALITY MANAGEMENT & VALIDATION AND DRS2782 INDUSTRIAL QUALITY MANAGEMENT
14	BTF4253	ANALYTICAL TECHNIQUES FOR PHARMACEUTICAL INDUSTRY	UNIVERSITI MALAYSIA PAHANG AL-SULTAN ABDULLAH DRS1123 ANALYTICAL CHEMISTRY AND DRS1222 ANALYTICAL CHEMISTRY LABORATORY UNIVERSITI TEKNOLOGI MARA (UiTM) CHM260 BASIC INSTRUMENTAL ANALYSIS AND CHM256 BASIC ANALYTICAL CHEMISTRY UNIVERSITI TUN HUSSEIN ONN MALAYSIA (UTHM)

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			DAS22403 ANALYTICAL CHEMISTRY AND DAU23302 ANALYTICAL INSTRUMENTATION

- Pemindahan Kredit Secara Menegak (Vertikal) merujuk kepada pemindahan kredit daripada satu program ke program lain pada tahap yang lebih tinggi, dan tertakluk kepada perubahan silibus kursus dan kelulusan di peringkat fakulti
- Gred Minimum Pemindahan Kredit kursus (VCT) bagi kursus Fakulti adalah Gred C