

| Programme | Module  | Faculty Owner    | Module Title                                   | Credits | Semester   |
|-----------|---------|------------------|------------------------------------------------|---------|------------|
| SHSAO     | ASP1005 | Science & Health | Stellar Physics                                | 5       | Semester 1 |
| SHSAO     | BCH1003 | Science & Health | Biomolecules & Metabolism                      | 5       | Semester 1 |
| SHSAO     | BIO1000 | Science & Health | How life works 1                               | 5       | Semester 1 |
| SHSAO     | BIO1004 | Science & Health | Immunology Cell Biology for Engineers          | 5       | Semester 1 |
| SHSAO     | BIO1006 | Science & Health | Advanced Cell Biology                          | 5       | Semester 1 |
| SHSAO     | BIO1013 | Science & Health | Immunology & Immunoanalysis                    | 5       | Semester 1 |
| SHSAO     | BIO1014 | Science & Health | Environmental Toxicology                       | 5       | Semester 1 |
| SHSAO     | BIO1037 | Science & Health | Cell Structure & Function                      | 5       | Semester 1 |
| SHSAO     | BIO1038 | Science & Health | Precision Medicine 1                           | 10      | Semester 1 |
| SHSAO     | BTE1005 | Science & Health | Bioprocess Engineering Principles              | 5       | Semester 1 |
| SHSAO     | BTE1011 | Science & Health | Design and Operation Bioreactors               | 5       | Semester 1 |
| SHSAO     | BTE1012 | Science & Health | Environmental Biotechnology                    | 5       | Semester 1 |
| SHSAO     | BTE1014 | Science & Health | Industrial Bioprocessing                       | 5       | Semester 1 |
| SHSAO     | BTE1015 | Science & Health | Proteins Proteomics & Biopharma                | 5       | Semester 1 |
| SHSAO     | BTE1016 | Science & Health | Biopharmaceutical Immunological Analysis       | 5       | Semester 1 |
| SHSAO     | BTE1042 | Science & Health | Biopharmaceutical Chemistry                    | 5       | Semester 1 |
| SHSAO     | CHM1000 | Science & Health | Genetic & Pharmaceutical Analysis in Forensics | 5       | Semester 1 |
| SHSAO     | CHM1005 | Science & Health | Chemistry for Health Related Professions       | 5       | Semester 1 |
| SHSAO     | CHM1006 | Science & Health | Inorganic & Physical Chemistry                 | 5       | Semester 1 |
| SHSAO     | CHM1009 | Science & Health | Spectroscopy and Electrochem                   | 5       | Semester 1 |
| SHSAO     | CHM1010 | Science & Health | Organic Chemistry                              | 5       | Semester 1 |
| SHSAO     | CHM1013 | Science & Health | Visualisation & Validation of Laboratory Data  | 5       | Semester 1 |
| SHSAO     | CHM1023 | Science & Health | Organometallics Polymer Chemistry              | 5       | Semester 1 |
| SHSAO     | CHM1024 | Science & Health | Separation Techniques                          | 5       | Semester 1 |
| SHSAO     | CHM1025 | Science & Health | Analytical Spectroscopy                        | 5       | Semester 1 |
| SHSAO     | CHM1027 | Science & Health | Organic Chemistry                              | 5       | Semester 1 |
| SHSAO     | CHM1029 | Science & Health | Medicinal Chemistry                            | 5       | Semester 1 |
| SHSAO     | CHM1036 | Science & Health | Chem Intg NanoBioworld                         | 5       | Semester 1 |
| SHSAO     | CHM1037 | Science & Health | Advanced Topics in Organic Chemistry           | 5       | Semester 1 |
| SHSAO     | CHM1038 | Science & Health | Advanced Inorganic Chemistry                   | 5       | Semester 1 |
| SHSAO     | CHM1039 | Science & Health | Advanced Analytical Applications               | 5       | Semester 1 |
| SHSAO     | CHM1040 | Science & Health | Advanced Medicinal Chemistry                   | 5       | Semester 1 |
| SHSAO     | CHM1044 | Science & Health | Literature Survey                              | 5       | Semester 1 |
| SHSAO     | CHM1059 | Science & Health | Advanced Spectroscopy 1                        | 5       | Semester 1 |
| SHSAO     | ENS1002 | Science & Health | Pollution & Biosphere                          | 5       | Semester 1 |
| SHSAO     | ENS1003 | Science & Health | Environmental Analysis                         | 5       | Semester 1 |
| SHSAO     | GCB1000 | Science & Health | Comparative Genomic Dev Biology                | 5       | Semester 1 |
| SHSAO     | GCB1009 | Science & Health | Fundamentals of Molecular Biol                 | 5       | Semester 1 |
| SHSAO     | HEA1009 | Science & Health | Epidemiology                                   | 5       | Semester 1 |
| SHSAO     | HEA1017 | Science & Health | Health Promotion                               | 5       | Semester 1 |
| SHSAO     | HEA1048 | Science & Health | Medicine in Sport                              | 5       | Semester 1 |
| SHSAO     | MTH1012 | Science & Health | Math Concepts Skills                           | 5       | Semester 1 |
| SHSAO     | MTH1027 | Science & Health | Math Economics Business                        | 5       | Semester 1 |
| SHSAO     | MTH1034 | Science & Health | Linear Algebra                                 | 5       | Semester 1 |
| SHSAO     | MTH1035 | Science & Health | Calculus of Several Variables                  | 5       | Semester 1 |
| SHSAO     | MTH1042 | Science & Health | Model Differential Equations                   | 5       | Semester 1 |
| SHSAO     | MTH1043 | Science & Health | Analysis 2                                     | 7.5     | Semester 1 |
| SHSAO     | MTH1050 | Science & Health | Stochastic Modelling                           | 7.5     | Semester 1 |
| SHSAO     | MTH1051 | Science & Health | Partial Differential Equations                 | 7.5     | Semester 1 |
| SHSAO     | MTH1052 | Science & Health | Financial Mathematics                          | 7.5     | Semester 1 |
| SHSAO     | MTH1056 | Science & Health | Prblty Fin II (Intermediate)                   | 7.5     | Semester 1 |
| SHSAO     | MTH1060 | Science & Health | Financial Economics I                          | 7.5     | Semester 1 |
| SHSAO     | MTH1063 | Science & Health | Prblty Finance (Intermediate)                  | 7.5     | Semester 1 |
| SHSAO     | NUR1003 | Science & Health | Wellbeing Across Lifespan 1                    | 5       | Semester 1 |
| SHSAO     | NUR1015 | Science & Health | Intellectual Disability Nursing 1              | 5       | Semester 1 |
| SHSAO     | NUR1093 | Science & Health | Nursing Informatics Management                 | 5       | Semester 1 |
| SHSAO     | PHS1000 | Science & Health | Introduction to Physiological Systems          | 5       | Semester 1 |
| SHSAO     | PHS1003 | Science & Health | Physiology for Health Sciences                 | 5       | Semester 1 |
| SHSAO     | PHY1022 | Science & Health | Motion & Energy                                | 5       | Semester 1 |
| SHSAO     | PHY1033 | Science & Health | Quantum Physics I                              | 5       | Semester 1 |

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|-------|---------|------------------|----------------------------------------------------|-----|------------|
| SHSAO | PHY1036 | Science & Health | Nuclear Physics & Relativity                       | 5   | Semester 1 |
| SHSAO | PHY1048 | Science & Health | Quantum Physics II                                 | 5   | Semester 1 |
| SHSAO | PHY1049 | Science & Health | Statistical Physics                                | 5   | Semester 1 |
| SHSAO | PHY1050 | Science & Health | Semiconductor Physics I                            | 5   | Semester 1 |
| SHSAO | PHY1051 | Science & Health | Wave Optics                                        | 5   | Semester 1 |
| SHSAO | PSY1089 | Science & Health | Sport Psychology                                   | 5   | Semester 1 |
| SHSAO | SOC1010 | Science & Health | Sociology  Health & Illness                        | 5   | Semester 1 |
| SHSAO | SPO1006 | Science & Health | Intro Exercise Science                             | 7.5 | Semester 1 |
| SHSAO | SPO1010 | Science & Health | Appl Cont Social Issues PE                         | 5   | Semester 1 |
| SHSAO | SPO1021 | Science & Health | Sport & Exercise Nutrition                         | 5   | Semester 1 |
| SHSAO | SPO1027 | Science & Health | Sports & Exercise Biomechanics 2                   | 5   | Semester 1 |
| SHSAO | SPO1028 | Science & Health | Exercise Referral and Physical Activity Promotion  | 5   | Semester 1 |
| SHSAO | STA1003 | Science & Health | Statistics                                         | 5   | Semester 1 |
| SHSAO | ASP1001 | Science & Health | Topics in Astrophysics                             | 5   | Semester 2 |
| SHSAO | ASP1006 | Science & Health | Cosmology, Galaxies & Sun                          | 5   | Semester 2 |
| SHSAO | BIO1001 | Science & Health | How life works 2                                   | 5   | Semester 2 |
| SHSAO | BIO1007 | Science & Health | Environmental Monitoring & Forensic Biology        | 5   | Semester 2 |
| SHSAO | BTE1004 | Science & Health | Transport Processes                                | 5   | Semester 2 |
| SHSAO | BTE1018 | Science & Health | Biopharmaceutical Industrial Regulation Management | 5   | Semester 2 |
| SHSAO | BTE1019 | Science & Health | Biopharmaceutical Facility Design & Operation      | 5   | Semester 2 |
| SHSAO | BTE1021 | Science & Health | Animal Cell Biotechnology                          | 5   | Semester 2 |
| SHSAO | BTE1023 | Science & Health | Formulation Delivery Biopharm                      | 5   | Semester 2 |
| SHSAO | CHM1004 | Science & Health | Introductory Chemistry 2                           | 5   | Semester 2 |
| SHSAO | CHM1011 | Science & Health | Inorganic Chemistry                                | 5   | Semester 2 |
| SHSAO | CHM1012 | Science & Health | Bioorganic Pharma Chemistry                        | 5   | Semester 2 |
| SHSAO | CHM1014 | Science & Health | Kinetics & Thermodynamics                          | 5   | Semester 2 |
| SHSAO | CHM1026 | Science & Health | Regulation & Data Analysis                         | 5   | Semester 2 |
| SHSAO | CHM1028 | Science & Health | Comput Inorganic Chemistry                         | 5   | Semester 2 |
| SHSAO | CHM1030 | Science & Health | Formulation                                        | 5   | Semester 2 |
| SHSAO | CHM1041 | Science & Health | Drug Design workshop                               | 5   | Semester 2 |
| SHSAO | CHM1060 | Science & Health | Advanced Spectroscopy 2                            | 5   | Semester 2 |
| SHSAO | ENS1004 | Science & Health | Climate & Aquatic Science                          | 5   | Semester 2 |
| SHSAO | ENS1005 | Science & Health | Environ Mon Data Analysis                          | 5   | Semester 2 |
| SHSAO | ENS1006 | Science & Health | Soil & Energy Science                              | 5   | Semester 2 |
| SHSAO | GCB1002 | Science & Health | Genetics of Human Inheritance                      | 5   | Semester 2 |
| SHSAO | GCB1007 | Science & Health | Microbiology & Genetics                            | 5   | Semester 2 |
| SHSAO | GCB1008 | Science & Health | Microbiology & Genetics II                         | 5   | Semester 2 |
| SHSAO | GCB1014 | Science & Health | Genetics & Health                                  | 5   | Semester 2 |
| SHSAO | HEA1010 | Science & Health | Anthropology, Health & Illness                     | 5   | Semester 2 |
| SHSAO | HEA1013 | Science & Health | Comparative Health Systems                         | 5   | Semester 2 |
| SHSAO | HEA1028 | Science & Health | Drugs in Society                                   | 5   | Semester 2 |
| SHSAO | MTH1003 | Science & Health | Time Series Intermediate)                          | 7.5 | Semester 2 |
| SHSAO | MTH1036 | Science & Health | Intro Differential Equations                       | 5   | Semester 2 |
| SHSAO | MTH1037 | Science & Health | Numerical Methods                                  | 7.5 | Semester 2 |
| SHSAO | MTH1044 | Science & Health | Probability II                                     | 7.5 | Semester 2 |
| SHSAO | MTH1058 | Science & Health | Fxd Inc Sctys (Intermediate)                       | 7.5 | Semester 2 |
| SHSAO | MTH1059 | Science & Health | Stoch Finance (Intermediate)                       | 7.5 | Semester 2 |
| SHSAO | MTH1080 | Science & Health | Probability & Statistics                           | 5   | Semester 2 |
| SHSAO | NUR1048 | Science & Health | Clinical Judgement & Decisions                     | 5   | Semester 2 |
| SHSAO | NUR1060 | Science & Health | Practice Module 3B( ChildrenGeneral)               | 10  | Semester 2 |
| SHSAO | NUR1189 | Science & Health | Working for Inclusion                              | 5   | Semester 2 |
| SHSAO | PHS1004 | Science & Health | Sport & Exercise Physiology                        | 5   | Semester 2 |
| SHSAO | PHY1009 | Science & Health | Plasma Science & Technology                        | 5   | Semester 2 |
| SHSAO | PHY1019 | Science & Health | Electricity & Magnetism                            | 5   | Semester 2 |
| SHSAO | PHY1020 | Science & Health | Physical & Thermal Properties of Matter            | 5   | Semester 2 |
| SHSAO | PHY1021 | Science & Health | Life Universe & Everything                         | 5   | Semester 2 |
| SHSAO | PHY1034 | Science & Health | Electromagnetism                                   | 5   | Semester 2 |
| SHSAO | PHY1037 | Science & Health | Physics of Renewable Energy                        | 5   | Semester 2 |
| SHSAO | PHY1039 | Science & Health | Classical Mechanics                                | 5   | Semester 2 |
| SHSAO | PSY1090 | Science & Health | Physical Activity Psychology                       | 5   | Semester 2 |
| SHSAO | PSY1091 | Science & Health | Psychology of Injury                               | 5   | Semester 2 |

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|-------|---------|------------------|---------------------------------------|---|------------|
| SHSAO | SOC1007 | Science & Health | Introduction to Anthropology          | 5 | Semester 2 |
| SHSAO | SOC1013 | Science & Health | Sociology of Sport 2                  | 5 | Semester 2 |
| SHSAO | SPO1008 | Science & Health | Motor Control & Learning              | 5 | Semester 2 |
| SHSAO | SPO1013 | Science & Health | Performance Analysis in Sport         | 5 | Semester 2 |
| SHSAO | SPO1019 | Science & Health | Sports & Exercise Biomechanics 1      | 5 | Semester 2 |
| SHSAO | SPO1024 | Science & Health | Introduction to Research Methods      | 5 | Semester 2 |
| SHSAO | SPO1029 | Science & Health | Injury, Exercise & Sport Biomechanics | 5 | Semester 2 |