

Qualification Code	Module Code	Module Description	Module Owner Faculty Description	Module Owner Department Description	Credit	Semester	Exam %	Continuous Assessment (CA)
SHSAO	BE226	Introduction to Physiological Systems	SCIENCE AND HEALTH	BIOTECHNOLOGY	5	Semester 1	0	100
SHSAO	BE435	Animal Cell Biotechnology	SCIENCE AND HEALTH	BIOTECHNOLOGY	5	Semester 2	100	0
SHSAO	BE201	Biomolecules and Metabolism	SCIENCE AND HEALTH	BIOTECHNOLOGY	5	Semester 1	80	20
SHSAO	BE403	Biopharmaceutical & Immunological Analysis	SCIENCE AND HEALTH	BIOTECHNOLOGY	5	Semester 1	90	10
SHSAO	BE333	Biopharmaceutical Chemistry	SCIENCE AND HEALTH	BIOTECHNOLOGY	5	Semester 1	50	50
SHSAO	BE419	Biopharmaceutical Facility Design & Operation	SCIENCE AND HEALTH	BIOTECHNOLOGY	5	Semester 2	0	100
SHSAO	BE418	Biopharmaceutical Industry Regulation & Mgmt	SCIENCE AND HEALTH	BIOTECHNOLOGY	5	Semester 2	50	50
SHSAO	BE224	Bioprocess Engineering Principles	SCIENCE AND HEALTH	BIOTECHNOLOGY	5	Semester 1	80	20
SHSAO	BE230	Cell Structure and Function	SCIENCE AND HEALTH	BIOTECHNOLOGY	5	Semester 1	0	100
SHSAO	BE310	Comparative Genomics & Developmental Biology	SCIENCE AND HEALTH	BIOTECHNOLOGY	5	Semester 1	80	20
SHSAO	BE322	Design and Operation of Bioreactors	SCIENCE AND HEALTH	BIOTECHNOLOGY	5	Semester 1	0	100
SHSAO	BE332	Environmental Biotechnology	SCIENCE AND HEALTH	BIOTECHNOLOGY	5	Semester 1	0	100
SHSAO	BE409	Environmental Ethics	SCIENCE AND HEALTH	BIOTECHNOLOGY	5	Semester 1	0	100
SHSAO	BE436	Environmental Toxicology	SCIENCE AND HEALTH	BIOTECHNOLOGY	5	Semester 1	0	100
SHSAO	BE486	Formulation & Delivery of Biopharmaceuticals	SCIENCE AND HEALTH	BIOTECHNOLOGY	5	Semester 2	100	0
SHSAO	BE301	Gene Cloning and Gene Expression	SCIENCE AND HEALTH	BIOTECHNOLOGY	5	Semester 1	0	100
SHSAO	BE434	Genetics of Human Inheritance	SCIENCE AND HEALTH	BIOTECHNOLOGY	5	Semester 2	80	20
SHSAO	BE309	Immunology & Cell Biology for Engineers	SCIENCE AND HEALTH	BIOTECHNOLOGY	5	Semester 1	80	20
SHSAO	BE433	Immunology and Immunoanalysis	SCIENCE AND HEALTH	BIOTECHNOLOGY	5	Semester 1	0	100
SHSAO	BE401	Industrial Bioprocessing	SCIENCE AND HEALTH	BIOTECHNOLOGY	5	Semester 1	80	20
SHSAO	BE202	Microbiology and Genetics	SCIENCE AND HEALTH	BIOTECHNOLOGY	5	Semester 2	90	10
SHSAO	BE233	Microbiology and Genetics II	SCIENCE AND HEALTH	BIOTECHNOLOGY	5	Semester 2	80	20
SHSAO	BE208	Pollution & Biosphere	SCIENCE AND HEALTH	BIOTECHNOLOGY	5	Semester 1	0	100
SHSAO	BE402	Proteins, Proteomics & Biopharma	SCIENCE AND HEALTH	BIOTECHNOLOGY	5	Semester 1	60	40
SHSAO	BE205	Statistics	SCIENCE AND HEALTH	BIOTECHNOLOGY	5	Semester 1	60	40
SHSAO	BE223	Transport Processes	SCIENCE AND HEALTH	BIOTECHNOLOGY	5	Semester 2	50	50
SHSAO	BE101	How life works 1	SCIENCE AND HEALTH	BIOTECHNOLOGY	5	Semester 1	0	100
SHSAO	BE102	How life works 2	SCIENCE AND HEALTH	BIOTECHNOLOGY	5	Semester 2	80	20
SHSAO	CS217	Environmental Analysis	SCIENCE AND HEALTH	CHEMICAL SCIENCES	5	Semester 1	0	100
SHSAO	CS319	Environmental Monitoring & Data Analysis	SCIENCE AND HEALTH	CHEMICAL SCIENCES	5	Semester 2	0	100
SHSAO	CS425	Advanced Spectroscopy	SCIENCE AND HEALTH	CHEMICAL SCIENCES	10	Full Year	100	0
SHSAO	CS409	Advanced Analytical Applications	SCIENCE AND HEALTH	CHEMICAL SCIENCES	5	Semester 1	0	100
SHSAO	CS406	Advanced Inorganic Chemistry	SCIENCE AND HEALTH	CHEMICAL SCIENCES	5	Semester 1	100	0
SHSAO	CS414	Advanced Medicinal Chemistry	SCIENCE AND HEALTH	CHEMICAL SCIENCES	5	Semester 1	0	100
SHSAO	CS405	Advanced Topics in Organic Chemistry	SCIENCE AND HEALTH	CHEMICAL SCIENCES	5	Semester 1	80	20
SHSAO	CS303	Analytical Spectroscopy	SCIENCE AND HEALTH	CHEMICAL SCIENCES	5	Semester 1	100	0
SHSAO	CS206	Bio-organic and Pharmaceutical Chemistry	SCIENCE AND HEALTH	CHEMICAL SCIENCES	5	Semester 2	100	0
SHSAO	CS404	Chemical Interrogation of the NanoBioworld	SCIENCE AND HEALTH	CHEMICAL SCIENCES	5	Semester 1	100	0
SHSAO	CS107	Chemistry for Health Related Professions	SCIENCE AND HEALTH	CHEMICAL SCIENCES	5	Semester 1	60	40

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SHSAO	CS314	Climate and Aquatic Science	SCIENCE AND HEALTH	CHEMICAL SCIENCES	5	Semester 2	0	100
SHSAO	CS308	Computational and Inorganic Chemistry	SCIENCE AND HEALTH	CHEMICAL SCIENCES	5	Semester 2	0	100
SHSAO	CS415	Drug Design workshop	SCIENCE AND HEALTH	CHEMICAL SCIENCES	5	Semester 2	0	100
SHSAO	FSH301	Environmental Monitoring & Forensic Biology	SCIENCE AND HEALTH	CHEMICAL SCIENCES	5	Semester 2	0	100
SHSAO	CS312	Formulation	SCIENCE AND HEALTH	CHEMICAL SCIENCES	5	Semester 2	0	100
SHSAO	FSH401	Genetic & Pharmaceutical Analysis in Forensic	SCIENCE AND HEALTH	CHEMICAL SCIENCES	5	Semester 1	0	100
SHSAO	CS108	Inorganic and Physical Chemistry	SCIENCE AND HEALTH	CHEMICAL SCIENCES	5	Semester 1	0	100
SHSAO	CS205	Inorganic Chemistry	SCIENCE AND HEALTH	CHEMICAL SCIENCES	5	Semester 2	100	0
SHSAO	CS102	Introductory Chemistry 2	SCIENCE AND HEALTH	CHEMICAL SCIENCES	5	Semester 2	80	20
SHSAO	CS215	Kinetics and Thermodynamics	SCIENCE AND HEALTH	CHEMICAL SCIENCES	5	Semester 2	80	20
SHSAO	CS453	Literature Survey	SCIENCE AND HEALTH	CHEMICAL SCIENCES	5	Semester 1	0	100
SHSAO	CS311	Medicinal Chemistry	SCIENCE AND HEALTH	CHEMICAL SCIENCES	5	Semester 1	0	100
SHSAO	CS204	Organic Chemistry	SCIENCE AND HEALTH	CHEMICAL SCIENCES	5	Semester 1	80	20
SHSAO	CS307	Organic Chemistry	SCIENCE AND HEALTH	CHEMICAL SCIENCES	5	Semester 1	100	0
SHSAO	CS301	Organometallics and Polymer Chemistry	SCIENCE AND HEALTH	CHEMICAL SCIENCES	5	Semester 1	100	0
SHSAO	CS306	Regulation and Data Analysis	SCIENCE AND HEALTH	CHEMICAL SCIENCES	5	Semester 2	0	100
SHSAO	CS302	Separation Techniques	SCIENCE AND HEALTH	CHEMICAL SCIENCES	5	Semester 1	80	20
SHSAO	CS202	Spectroscopy and Physical Chemistry	SCIENCE AND HEALTH	CHEMICAL SCIENCES	5	Semester 1	100	0
SHSAO	CS207	Visualisation & Validation of Laboratory Data	SCIENCE AND HEALTH	CHEMICAL SCIENCES	5	Semester 1	0	100
SHSAO	CS207	Visualisation & Validation of Laboratory Data	SCIENCE AND HEALTH	CHEMICAL SCIENCES	5	Semester 2	0	100
SHSAO	CS421	Soil and Energy Science	SCIENCE AND HEALTH	CHEMICAL SCIENCES	5	Semester 2	100	0
SHSAO	SS202	Anatomy for Sport Science	SCIENCE AND HEALTH	HEALTH AND HUMAN PERFORMANCE	5	Semester 1	0	100
SHSAO	SS117	Applied Contemporary Social Issues in PE	SCIENCE AND HEALTH	HEALTH AND HUMAN PERFORMANCE	5	Semester 1	0	100
SHSAO	SS217	Psychology of Injury	SCIENCE AND HEALTH	HEALTH AND HUMAN PERFORMANCE	5	Semester 2	0	100
SHSAO	SS213	Sport and Exercise Nutrition	SCIENCE AND HEALTH	HEALTH AND HUMAN PERFORMANCE	5	Semester 1	0	100
SHSAO	SS204	Sport Psychology	SCIENCE AND HEALTH	HEALTH AND HUMAN PERFORMANCE	5	Semester 1	0	100
SHSAO	SS306	Exercise Referral&Physical activity Promotion	SCIENCE AND HEALTH	HEALTH AND HUMAN PERFORMANCE	5	Semester 1	0	100
SHSAO	SS238	Genetics & Health	SCIENCE AND HEALTH	HEALTH AND HUMAN PERFORMANCE	5	Semester 2	0	100
SHSAO	SS317	Injury, Exercise and Sport Biomechanics	SCIENCE AND HEALTH	HEALTH AND HUMAN PERFORMANCE	5	Semester 2	50	50
SHSAO	SS312	Medicine in Sport	SCIENCE AND HEALTH	HEALTH AND HUMAN PERFORMANCE	5	Semester 1	0	100

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SHSAO	SS107	Motor Control & Learning	SCIENCE AND HEALTH	HEALTH AND HUMAN PERFORMANCE	5	Semester 2	40	60
SHSAO	SS125	Performance Analysis in Sport	SCIENCE AND HEALTH	HEALTH AND HUMAN PERFORMANCE	5	Semester 2	0	100
SHSAO	SS208	Physical Activity Psychology	SCIENCE AND HEALTH	HEALTH AND HUMAN PERFORMANCE	5	Semester 2	0	100
SHSAO	SS103	Physiology for Health Sciences	SCIENCE AND HEALTH	HEALTH AND HUMAN PERFORMANCE	5	Semester 1	0	100
SHSAO	SS209	Sociology of Sport 2	SCIENCE AND HEALTH	HEALTH AND HUMAN PERFORMANCE	5	Semester 2	40	60
SHSAO	SS303	Sport & Exercise Biomechanics 2	SCIENCE AND HEALTH	HEALTH AND HUMAN PERFORMANCE	5	Semester 1	50	50
SHSAO	SS124	Sport & Exercise Physiology	SCIENCE AND HEALTH	HEALTH AND HUMAN PERFORMANCE	5	Semester 2	0	100
SHSAO	SS206	Sport and Exercise Biomechanics 1	SCIENCE AND HEALTH	HEALTH AND HUMAN PERFORMANCE	5	Semester 2	70	30
SHSAO	SS102	Introduction to Exercise Science	SCIENCE AND HEALTH	HEALTH AND HUMAN PERFORMANCE	7.5	Semester 1	0	100
SHSAO	MS225	Modelling with Differential Equations	SCIENCE AND HEALTH	MATHEMATICAL SCIENCES	5	Semester 1	0	100
SHSAO	MS221	Calculus of Several Variables	SCIENCE AND HEALTH	MATHEMATICAL SCIENCES	5	Semester 1	50	50
SHSAO	MS221	Calculus of Several Variables	SCIENCE AND HEALTH	MATHEMATICAL SCIENCES	5	Semester 2	50	50
SHSAO	MS205	Calculus of Several Variables	SCIENCE AND HEALTH	MATHEMATICAL SCIENCES	5	Semester 1	80	20
SHSAO	MS112	Differential Calculus	SCIENCE AND HEALTH	MATHEMATICAL SCIENCES	5	Semester 1	75	25
SHSAO	MS113	Integral Calculus	SCIENCE AND HEALTH	MATHEMATICAL SCIENCES	5	Semester 2	80	20
SHSAO	MS211	Introduction to Differential Equations	SCIENCE AND HEALTH	MATHEMATICAL SCIENCES	5	Semester 2	80	20
SHSAO	MS200	Linear Algebra	SCIENCE AND HEALTH	MATHEMATICAL SCIENCES	5	Semester 1	80	20
SHSAO	MS217	Linear Algebra	SCIENCE AND HEALTH	MATHEMATICAL SCIENCES	5	Semester 1	80	20
SHSAO	MS103	Linear Mathematics I	SCIENCE AND HEALTH	MATHEMATICAL SCIENCES	5	Semester 1	80	20
SHSAO	MS104	Linear Mathematics II	SCIENCE AND HEALTH	MATHEMATICAL SCIENCES	5	Semester 2	80	20
SHSAO	MS111	Mathematical Concepts and Skills	SCIENCE AND HEALTH	MATHEMATICAL SCIENCES	5	Semester 1	0	100
SHSAO	MS136	Mathematics for Economics and Business	SCIENCE AND HEALTH	MATHEMATICAL SCIENCES	5	Semester 1	40	60
SHSAO	MS123	Mathematics for Scientists 1	SCIENCE AND HEALTH	MATHEMATICAL SCIENCES	5	Semester 1	80	20
SHSAO	MS124	Mathematics for Scientists 2	SCIENCE AND HEALTH	MATHEMATICAL SCIENCES	5	Semester 2	80	20
SHSAO	MS223	Probability and Statistics	SCIENCE AND HEALTH	MATHEMATICAL SCIENCES	5	Semester 2	80	20
SHSAO	MS223	Probability and Statistics	SCIENCE AND HEALTH	MATHEMATICAL SCIENCES	5	Semester 2	80	20
SHSAO	MS114	Sequences and Series	SCIENCE AND HEALTH	MATHEMATICAL SCIENCES	5	Semester 2	80	20
SHSAO	MS445	Topics in Astrophysics	SCIENCE AND HEALTH	MATHEMATICAL SCIENCES	5	Semester 2	80	20
SHSAO	MS231	Analysis 2	SCIENCE AND HEALTH	MATHEMATICAL SCIENCES	7.5	Semester 1	80	20
SHSAO	MS427	Financial Economics I	SCIENCE AND HEALTH	MATHEMATICAL SCIENCES	7.5	Semester 1	75	25
SHSAO	MS318	Financial Mathematics	SCIENCE AND HEALTH	MATHEMATICAL SCIENCES	7.5	Semester 1	75	25
SHSAO	MS425	Fixed Income Securities (Intermediate)	SCIENCE AND HEALTH	MATHEMATICAL SCIENCES	7.5	Semester 2	100	0
SHSAO	MS200A	Linear Mathematics	SCIENCE AND HEALTH	MATHEMATICAL SCIENCES	7.5	Semester 2	80	20
SHSAO	MS213	Numerical Methods	SCIENCE AND HEALTH	MATHEMATICAL SCIENCES	7.5	Semester 1	75	25
SHSAO	MS309	Partial Differential Equations	SCIENCE AND HEALTH	MATHEMATICAL SCIENCES	7.5	Semester 1	0	100

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SHSAO	MS437	Probability and Finance I (Intermediate)	SCIENCE AND HEALTH	MATHEMATICAL SCIENCES	7.5	Semester 1	80	20
SHSAO	MS408	Probability and Finance II (Intermediate)	SCIENCE AND HEALTH	MATHEMATICAL SCIENCES	7.5	Semester 1	80	20
SHSAO	MS232	Probability II	SCIENCE AND HEALTH	MATHEMATICAL SCIENCES	7.5	Semester 2	80	20
SHSAO	MS426	Stochastic Finance (Intermediate)	SCIENCE AND HEALTH	MATHEMATICAL SCIENCES	7.5	Semester 2	100	0
SHSAO	MS308A	Stochastic Modelling	SCIENCE AND HEALTH	MATHEMATICAL SCIENCES	7.5	Semester 1	75	25
SHSAO	MS447A	Time Series (Intermediate)	SCIENCE AND HEALTH	MATHEMATICAL SCIENCES	7.5	Semester 2	70	30
SHSAO	NS374X	Practice Module 3A (Erasmus+)	SCIENCE AND HEALTH	Nursing, Psych & Comm Health	0	Semester 1	0	100
SHSAO	NS370	Challenging Global Health Problems	SCIENCE AND HEALTH	Nursing, Psych & Comm Health	5	Semester 1	0	100
SHSAO	NS370	Challenging Global Health Problems	SCIENCE AND HEALTH	Nursing, Psych & Comm Health	5	Semester 2	0	100
SHSAO	NS347	Comparative Health Systems	SCIENCE AND HEALTH	Nursing, Psych & Comm Health	5	Semester 2	0	100
SHSAO	NS141	Drugs in Society	SCIENCE AND HEALTH	Nursing, Psych & Comm Health	5	Semester 2	0	100
SHSAO	NS270	Epidemiology	SCIENCE AND HEALTH	Nursing, Psych & Comm Health	5	Semester 1	0	100
SHSAO	NS390	Health Promotion	SCIENCE AND HEALTH	Nursing, Psych & Comm Health	5	Semester 1	0	100
SHSAO	NS127	Introduction to Anthropology	SCIENCE AND HEALTH	Nursing, Psych & Comm Health	5	Semester 2	50	50
SHSAO	NS441	Nursing Informatics, Management & Leadership	SCIENCE AND HEALTH	Nursing, Psych & Comm Health	5	Semester 1	0	100
SHSAO	NS280A	Sociology, Health & Illness	SCIENCE AND HEALTH	Nursing, Psych & Comm Health	5	Semester 1	0	100
SHSAO	NS137	Sustainable Development and Health	SCIENCE AND HEALTH	Nursing, Psych & Comm Health	5	Semester 1	0	100
SHSAO	NS131	Understanding Intellectual Disability 1	SCIENCE AND HEALTH	Nursing, Psych & Comm Health	5	Semester 1	0	100
SHSAO	NS263	Wellbeing across the lifespan 1	SCIENCE AND HEALTH	Nursing, Psych & Comm Health	5	Semester 1	0	100
SHSAO	PS223	Classical Mechanics	SCIENCE AND HEALTH	PHYSICAL SCIENCES	5	Semester 1	60	40
SHSAO	PS223	Classical Mechanics	SCIENCE AND HEALTH	PHYSICAL SCIENCES	5	Semester 2	60	40
SHSAO	PS104	Electricity and Magnetism	SCIENCE AND HEALTH	PHYSICAL SCIENCES	5	Semester 2	60	40
SHSAO	PS202	Electromagnetism	SCIENCE AND HEALTH	PHYSICAL SCIENCES	5	Semester 2	80	20
SHSAO	PS405	Extragalactic Astrophysics and Cosmology	SCIENCE AND HEALTH	PHYSICAL SCIENCES	5	Semester 2	80	20
SHSAO	PS114	Life, the Universe and Everything	SCIENCE AND HEALTH	PHYSICAL SCIENCES	5	Semester 2	80	20
SHSAO	PS115	Motion and Energy	SCIENCE AND HEALTH	PHYSICAL SCIENCES	5	Semester 1	60	40
SHSAO	PS207	Nuclear Physics and Relativity	SCIENCE AND HEALTH	PHYSICAL SCIENCES	5	Semester 1	80	20
SHSAO	PS105	Physical and Thermal Properties of Matter	SCIENCE AND HEALTH	PHYSICAL SCIENCES	5	Semester 2	0	100
SHSAO	PS122	Physics For General Science I	SCIENCE AND HEALTH	PHYSICAL SCIENCES	5	Semester 1	75	25
SHSAO	PS123	Physics For General Science II	SCIENCE AND HEALTH	PHYSICAL SCIENCES	5	Semester 2	75	25
SHSAO	PS218	Physics of Renewable Energy	SCIENCE AND HEALTH	PHYSICAL SCIENCES	5	Semester 2	80	20

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SHSAO	PS406	Plasma Science and Technology	SCIENCE AND HEALTH	PHYSICAL SCIENCES	5	Semester 2	80	20
SHSAO	PS201	Quantum Physics I	SCIENCE AND HEALTH	PHYSICAL SCIENCES	5	Semester 1	80	20
SHSAO	PS301	Quantum Physics II	SCIENCE AND HEALTH	PHYSICAL SCIENCES	5	Semester 1	80	20
SHSAO	PS305	Semiconductor Physics I	SCIENCE AND HEALTH	PHYSICAL SCIENCES	5	Semester 1	80	20
SHSAO	PS204	Solid State Physics I	SCIENCE AND HEALTH	PHYSICAL SCIENCES	5	Semester 2	80	20
SHSAO	PS302	Statistical Physics	SCIENCE AND HEALTH	PHYSICAL SCIENCES	5	Semester 1	80	20
SHSAO	PS311	Stellar Physics	SCIENCE AND HEALTH	PHYSICAL SCIENCES	5	Semester 1	80	20
SHSAO	PS307	Wave Optics	SCIENCE AND HEALTH	PHYSICAL SCIENCES	5	Semester 1	80	20