

BACHELOR OF SCIENCE WITH EDUCATION (PHYSICS) WITH HONOURS
PROGRAMME STRUCTURE (SHPFH)
INTAKE 2022/2023

September Intake

YEAR 1

Semester 1

SHPP1012	Psychology of Education	2
SHPP1032	Telecommunication and Computer Network	2
SHPN1012	Science & Mathematics Curriculum	2
SSCP1103	Mechanics	3
SSCP1303	Sound, Wave and Optics	3
SSCP1101	Physics Practical I	1
ULRS1022	Philosophy and Current Issues	2
ULRS1182	Appreciation of Ethics and Civilization	2
TOTAL		17

Semester 2

SHPP1002	Educational Philosophy	2
SHPP1042	Educational Technology	2
SHPP1022	Teacher Professionalism	2
1XX3	Free Elective	3
SSCP1503	Modern Physics	3
SSCP1201	Physics Practical II	1
ULRS1012	Value and Identity	2
UHLB1112 (MUET 1-3)	English Communication Skills	2 (HL)
TOTAL		15

YEAR 2

Semester 1

SHPP2002	Fundamental of Pedagogy	2
SHPP2882	Co-curriculum Management, Sports and Games	2
SHPN1022	Science & Mathematics Learning	2
SHPN2052	Laboratory Safety & Management	2
SHPF2212	Teaching Methods in Physics	2
SSCM1103	Statistics	3
SSCP1203	Electricity & Magnetism	3
UHLB2122	Academic Communication Skills	2
TOTAL		18

Semester 2

SHPP3042	Research Methods in Education	2
SHPP2032	Measurement and Evaluation in Education	2
SHPP3303	Creative Multimedia Technology	3
SSCP1113	Basic of Electronics	3
SSCP1403	Thermodynamics	3
SSCP3303	Energy and Environmental Physics	3
ULRF2XX2	Co-Curriculum Service Learning Elective (CCSL)	2
TOTAL		18

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YEAR 3

Semester 1

SHPP4722	Online Learning and Teaching Techniques	2
SHPA2001	Microteaching	1
SHPN2221	Physics Education Laboratory I	1
SSCP2101	Physics Practical III	1
SHPF5113	Teaching and Learning in Physics*	3
SHPR4942	Service Learning	2
SHPE3512	Basic Robotics and Mechatronics	2
UHLB3132	Professional Communication Skills 2	2
ULRS3032	Entrepreneurship and Innovation	2
UHLX1112	Foreign Language Electives	2
TOTAL		18

Semester 2

SHPA3008	Teaching Practice	8
TOTAL		8

YEAR 4

Semester 1

SHPP4062	Sociology of Education	2
SHPP2102	Basic Programming	2
SHPN3231	Physics Education Laboratory II	1
SHPN4243	Physics Education	3
SHPU4902	Undergraduate Project I	2
SHPU5013	Innovation in Teaching and Learning	3
SHPP2333	Development of Digital Learning Object and Mobile Application	3
TOTAL		16

Semester 2

SHPP4043	Teacher Development	3
SHPU4904	Undergraduate Project II	4
SHPP4502	Guidance and Counselling	2
SHPP2343	Information Management System and Database Development	3
SHPN3422	Nature of Science and Mathematics	2
SHPN4442	Integrated STEM Education	2
SSCP2201	Physics Practical IV	1
TOTAL		17

Total Credit
Counted Credit

127
127


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