COURSE MENU

YEAR 1 : SEMESTER 1			
CODE	**COURSE**	**CREDIT**	**PRE-REQUISITE**
SEMM 1203	Statics*	3	
SEMO 1503	Ship Engineering Drawing	3	
SEMM 1911	Experimental Methods	1	
SEMO 1922	Introduction to Naval Architecture and Offshore Engineering	2	
SEEU 1002	Electrical Technology	2	
SSCE 1693	Engineering Mathematics I	3	
ULRS 1012	Value and Identity	2	
UHLB 1112	English Communication Skills	HL	Refer English courses requirement section
Total		**16**	

YEAR 1 : SEMESTER 2			
CODE	**COURSE**	**CREDIT**	**PRE-REQUISITE**
SEMM 1013	Programming for Engineers	3	
SEMM 1113	Mechanics of Solids I*	3	SEMM 1203
SEMM 1213	Dynamics*	3	SEMM 1203
SEMO 1332	Naval Architecture I	2	SEMO 1503
SSCE 1793	Differential Equations	3	SSCE 1693
SEMM2921	Laboratory I	1	SEMM 1911
UHMS 1182	Appreciation of Ethics and Civilisations	2	(International students can choose either UHMS 1182 or UHIS 1022 but UHLM1012 is compulsory)
UHLM 1012	Malay Language for Communication 2 (for International Students Only)		
Total		**17**	

Remarks:

i) *Core Courses – passing grade is C (50%). Passing grade for other courses is D (40%).

ii) For courses with pre-requisite(s), students MUST OBTAIN the passing grade for the pre-requisite course(s) unless stated otherwise.

iii) **Students MUST OBTAIN minimum grade D- (30%) for the pre-requisite course.

iv) For courses with pre-requisite(s) in sequence, students MUST ALSO FULFIL all the preceding pre-requisite(s).

v) Students MUST OBTAIN at least 20% of total marks in any mechanical engineering courses final examination.

YEAR 2 : SEMESTER 1			
CODE	**COURSE**	**CREDIT**	**PRE-REQUISITE**
SEMM 2313	Mechanics of Fluids I*	3	SEMM 1203
SEMM 2413	Thermodynamics*	3	
SEMM 2613	Materials Science	3	
SSCE 1993	Engineering Mathematics II	3	SSCE 1693
UKQF 2XX2	Service Learning and Community Engagement	2	
UHLX 1112	Foreign Language Communication Elective	2	
Total		**16**	

YEAR 2 : SEMESTER 2			
CODE	**COURSE**	**CREDIT**	**PRE-REQUISITE**
SEMM 2223	Mechanics of Machines and Vibration*	3	SEMM 1213
SEMO 2123	Ship and Offshore Structures I	3	SEMM 1113
SEMO 2323	Marine Hydrodynamics	3	SEMM 2313
SEEU 2012	Electronics	2	SEEU 1002
SSCE 2193	Engineering Statistics	3	
UHLB 2122	Professional Communication Skills 1	2	
UHIS 1022	Philosophy and Current Issues	2	(International students can choose either UHMS 1182 or UHIS 1022 but UHLM1012 is compulsory)
Total		**18**	

Remarks:

i) *Core Courses – passing grade is C (50%). Passing grade for other courses is D (40%).

ii) For courses with pre-requisite(s), students MUST OBTAIN the passing grade for the pre-requisite course(s) unless stated otherwise.

iii) **Students MUST OBTAIN minimum grade D- (30%) for the pre-requisite course.

iv) For courses with pre-requisite(s) in sequence, students MUST ALSO FULFIL all the preceding pre-requisite(s).

v) Students MUST OBTAIN at least 20% of total marks in any mechanical engineering courses final examination.

YEAR 3 : SEMESTER 1			
CODE	**COURSE**	**CREDIT**	**PRE-REQUISITE**
SEMM 3023	Applied Numerical Methods	3	SEMM 1013, SSCE 1793**
SEMO 2713	Ship and Offshore Production Technology	3	
SEMO 3512	Ship and Offshore Design	2	SEMO 1332
SEMO 3333	Naval Architecture II	3	SEMO 1332
SEMO 3353	Ship Resistance and Propulsion	3	
UHLB 3132	Professional Communication Skills 2	2	
Total		**16**	

YEAR 3 : SEMESTER 2			
CODE	**COURSE**	**CREDIT**	**PRE- REQUISITE**
SEMO 3033	Computational Methods in Ocean Engineering	3	SEMO 2123** SEMO 2323**
SEMM 3242	Instrumentation	2	SEEU 2012**
SEMM 3623	Materials Engineering	3	SEMM 2613
SEMO 3133	Ship and Offshore Structure II	3	SEMO 2123**
SEMO 3523	Integrated Ship & Offshore Design Project I	3	SEMO 3512
SEMO 3931	Marine Laboratory I	1	SEMM 2921
ULRS 3032	Entrepreneurship and Innovation	2	
Total		**17**	

Remarks:

i) *Core Courses – passing grade is C (50%). Passing grade for other courses is D (40%).

ii) For courses with pre-requisite(s), students MUST OBTAIN the passing grade for the pre-requisite course(s) unless stated otherwise.

iii) **Students MUST OBTAIN minimum grade D- (30%) for the pre-requisite course.

iv) For courses with pre-requisite(s) in sequence, students MUST ALSO FULFIL all the preceding pre-requisite(s).

v) Students MUST OBTAIN at least 20% of total marks in any mechanical engineering courses final examination.

SHORT SEMESTER			
CODE	**COURSE**	**CREDIT**	**PRE-REQUISITE**
SEMO 3915	Industrial Training		##, SEMO 2123**, SEMM 2223**
Total		**5**	

Remarks:

Obtained minimum of 80 credits

YEAR 4 : SEMESTER 1			
CODE	**COURSE**	**CREDIT**	**PRE-REQUISITE**
SEMO 4233	Dynamics of Marine Vehicles	3	SEMM 2223, SEMO 2323
SEMO 4423	Marine and Offshore Engineering System	3	SEMM 2413
SEMO 4533	Integrated Ship & Offshore Design Project II	3	SEMO 3523
SEMO 4912	Undergraduate Project I	2	SEMM 2223**, SEMO 2123**
SEMO 4262	Risers & Mooring Dynamics	2	
SXXX xxx3	Free Elective	3	
Total		**16**	

Remarks:

i) *Core Courses – passing grade is C (50%). Passing grade for other courses is D (40%).

ii) For courses with pre-requisite(s), students MUST OBTAIN the passing grade for the pre-requisite course(s) unless stated otherwise.

iii) **Students MUST OBTAIN minimum grade D- (30%) for the pre-requisite course.

iv) For courses with pre-requisite(s) in sequence, students MUST ALSO FULFIL all the preceding pre-requisite(s).

v) Students MUST OBTAIN at least 20% of total marks in any mechanical engineering courses final examination.

YEAR 4 : SEMESTER 2			
CODE	**COURSE**	**CREDIT**	**PRE-REQUISITE**
SEMM 4902	Engineering Professional Practice	2	Must be 3rd year
SEMO 4924	Undergraduate Project II	4	SEMO 4912
SEMO 4823	Marine Management, Finance and Safety	3	
SEMO 4951	Marine Laboratory II	1	
SEMO 4xx2	Marine and Offshore Elective	2	
SEMO 3813	Marine Transport and Economics	3	
Total		**15**	

Remarks:

i) *Core Courses – passing grade is C (50%). Passing grade for other courses is D (40%).

ii) For courses with pre-requisite(s), students MUST OBTAIN the passing grade for the pre-requisite course(s) unless stated otherwise.

iii) **Students MUST OBTAIN minimum grade D- (30%) for the pre-requisite course.

iv) For courses with pre-requisite(s) in sequence, students MUST ALSO FULFIL all the preceding pre-requisite(s).

v) Students MUST OBTAIN at least 20% of total marks in any mechanical engineering courses final examination.