

Republika ng Pilipinas
(Republic of the Philippines)
MINISTRI NG EDUKASYON AT KULTURA
(MINISTRY OF EDUCATION AND CULTURE)
Maynila

November 10, 1978

MEC O R D E R
No. 38, s. 1978

REVISED CURRICULUM FOR B. S. MARINE TRANSPORTATION
COURSE MAJOR IN NAVIGATION AND SEAMANSHIP

To: Bureau Directors
Regional Directors
Coordinator, State Colleges and Universities
Schools Superintendents
Heads of Private Schools, Colleges
and Universities

1. To facilitate placement of maritime apprentices aboard merchant marine vessels registered for foreign trade and to have available qualified Filipino marine officers to meet the domestic as well as the foreign demands, His Excellency, President Ferdinand E. Marcos issued PD No. 1560 dated 11 June 1978, entitled "Amending Section 16 of Presidential Decree No. 97, entitled 'Regulating the Practice of the Marine Profession in the Philippines,'" otherwise known as the Philippine Merchant Marine Officers Law, copy of which is inclosed, for the information and guidance of all concerned.
2. As a result of this amendment, a need to revise the existing curriculum to include six semesters of academic studies instead of the current five semesters becomes imperative. To this end and through the cooperative efforts of the Philippine Association of Maritime Institutions, Board of Examiners, Conference of Inter-island Shipping Owners (CISO), Masters and Mates Association, Philippine Coast Guard, National Seamen Board, Maritime Industry Authority, Association of Ship Builders and Repairers and the Ministry of Education and Culture, a revised curriculum, also inclosed, for B. S. Marine Transportation course, major in Navigation and Seamanship is hereby prescribed.
3. This curriculum shall take effect on the second semester of the school year 1978-79.
4. Students who have enrolled in the first semester of the Third Year of the current curriculum can have either of two choices, namely:
 - a. He may be granted the title of Associate in Marine Transportation at the end of this semester (first semester of SY 1978-79) and undertake 18 months of **shipboard apprenticeship** including at least 4 months on board vessels registered for foreign trade pursuant to PD No. 97; or

- b. Enroll in the second semester of the Third Year of the course taking the prescribed subjects and may be given the title of Associate in Marine Transportation and undertake 12 months of shipboard apprenticeship on merchant marine vessels of coastwise or foreign trade in accordance with PD No. 1560.
5. Holders of the Associate in Marine Transportation Certificate who have completed 12 months of shipboard apprenticeship and who would like to take advantage of the provisions of PD No. 1560 are required to complete the academic requirements of the new prescribed curriculum before they graduate with the degree of B.S. in Marine Transportation, major in Navigation and Seamanship.
6. Relative to the requirements of apprenticeship and preparation of term papers, maritime schools are hereby enjoined to provide a permanent staff to directly supervise such activities as required by law.
7. Any deviation from this curriculum shall be taken up with the Bureau of Higher Education for appropriate action.
8. Compliance of this MEC Order by all concerned is desired.

(SGD.) NARCISO ALBARRACIN
Acting Minister of Education and Culture

Incl.:

As stated

Reference:

Department Orders: Nos. 4 and 30, s. 1976
Department Memorandum: No. 244, s. 1976

Allotment: 1-4--(D.O. 1-76)

To be indicated in the Perpetual Index
under the following subjects:

~~AMENDMENT~~ ~~CURRICULUM~~
~~BUREAUS & OFFICES~~ ~~DECREE~~
~~Course of Study, COLLEGIATE~~ ~~SOCIETY or ASSOCIATIONS~~

(Inclosure No. 1 to MEC Order No. 38, s. 1978)

MALACANANG
Manila

PRESIDENTIAL DECREE NO. 1560

AMENDING SECTION 16 OF PRESIDENTIAL DECREE NO. 97, ENTITLED
"REGULATING THE PRACTICE OF THE MARINE PROFESSION IN
THE PHILIPPINES"

WHEREAS, paragraph (d) of Section 16 regarding requirements for deck officers, of Presidential Decree No. 97, entitled "Regulating the Practice of the Marine Profession in the Philippines," requires an applicant for examination for Third Mate, among others, to have undergone eighteen months of practical apprenticeship which must be served with at least four months on merchant marine vessels of not less than two hundred fifty gross tons registered for foreign trade;

WHEREAS, there are not enough merchant marine vessels of Philippine registry of not less than 250 gross tons registered for foreign trade to accommodate apprentice mates;

WHEREAS, operators of marine vessels engaged in foreign trade generally do not accept apprentice mates on board;

WHEREAS, as long as said requirements for an applicant for examination for Third Mate remains, the number of nautical students who could qualify for examination for Third Mate will be drastically reduced and will eventually result to a shortage of merchant marine officers to man not only our interisland vessels but also our overseas vessels; and

WHEREAS, the income of our seaman employed on overseas vessels is a large source of dollars for our country;

NOW, THEREFORE, I, FERDINAND E. MARCOS, President of the Philippines, by virtue of the powers vested in me by the Constitution, do hereby order and decree:

SECTION 1. Section sixteen, paragraph (d) of Presidential Decree No. 97 dated January 13, 1973, is hereby amended to read as follows:

"SEC. 16 Requirements for Deck Officers -

X X X

"(d) Third Mate - Applicant must be a holder of a degree of Bachelor of Science on Marine Transportation major in Navigation and Seamanship after

completion of a nautical curriculum of academic and theoretical studies, and twelve months of practical apprenticeship which must be served on merchant marine vessels of not less than two hundred fifty gross tons registered for foreign or coastwise trade to qualify for Third Mate license. The certification of service is issued by the Master and Chief Mate of the vessel and duly authenticated by the ship owner or by the ship representative of the vessel. The apprenticeship shall be under the supervision of a permanent staff of the institution assigned solely for such purpose."

SEC. 2. This Decree shall take effect immediately.

Done in the City of Manila, this 11th day of June, in the Year of Our Lord, nineteen hundred and seventy-eight.

(SGD.) FERDINAND E. MARCOS
President of the Philippines

By the President:

(SGD.) JACOBO C. CLAVE
Presidential Executive Assistant

a true copy

(Inclosure No. 2 to MEC Order No. 38, s. 1978)

BACHELOR OF SCIENCE IN MARINE TRANSPORTATION (BSMT)
MAJOR: NAVIGATION & SEAMANSHIP

(Revised September 30, 1978, to conform with PD No. 1560)

FIRST YEAR

		<u>First Semester</u>	<u>Lec.</u>	<u>Lab.</u>	<u>Unit</u>
NAV	111	- Navigation I: Elements of Navigation	3	3	4
SEA	111	- Seamanship I: Ship Organization, Nomenclature & Classification, Elementary Seamanship & Ground Tackle	3	0	3
P S	111	- Practical Seamanship I: Elementary Swimming, Knots, Hitches & Bends, Splicing & Canvass Works	0	3	1
ENG	111	- English I: Communication Arts I	3	0	3
PIL	111	- Pilipino I: Sining ng Pakikipagtalastasan ...	3	0	3
MATH	111	- Math I: College Algebra	3	0	3
SSci	111	- The Philippine Government Under the New Constitution, Including Public Service & Reorganization	3	0	3
TYPE	111	- Fundamentals of Typewriting	0	3	1
A S	111	- Aptitude for Service I: Orientation	1	0	1
N S	111	- Naval Science & Tactics			(1.5)
			19	9	22

Second Semester

NAV	121	- Navigation II: Piloting	3	3	4
SEA	121	- Seamanship II: Safety of Life at Sea, Fire & Fire Fighting Equipment	3	0	3
P S	121	- Practical Seamanship II: Swimming Styles & Diving	0	3	1
ENG	121	- English II: Communication Arts II	3	0	3
PIL	121	- Pilipino II: Panitikang Pilipino	3	0	3
MATH	121	- Math II: Plane Trigonometry	3	0	3
SSci	121	- The Life & Works of Dr. Jose P. Rizal	3	0	3
A S	121	- Aptitude for Service II: Professional Ethics	1	0	1
N S	121	- Naval Science & Tactics			(1.5)
			19	6	21

16

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SECOND YEAR

		<u>First Semester</u>	<u>Lec.</u>	<u>Lab.</u>	<u>Units</u>
NAV	211	- Navigation III: Nautical Astronomy	3	3	4
SEA	211	- Seamanship III: International Rules of the Road and IMCO Regulations	3	0	3
P S	211	- Practical Seamanship III: Life-Saving, First Aid & Advanced Swimming Techniques	0	3	1
MATH	211	- Math III: Solid Mensuration & Spherical Trigonometry	3	0	3
SPAN	211	- Spanish I: Elementary Spanish	3	0	3
ENG	211	- English III: Business English and Correspondence	3	0	3
PHYS	211	- Physics I: Statics & Dynamics	3	3	4
N S	21	- Naval Science & Tactics			(1.5)
			18	9	21

Second Semester

NAV	221	- Navigation IV: Latitude, Longitude & Azimuth	3	3	4
SEA	221	- Seamanship IV: Cargo Stowage & Handling	3	0	3
P S	221	- Practical Seamanship IV: Rowing & Handling of Small Boats, Abandon Ship, Damage Control & Preservation of Life at Sea	0	3	1
MET	221	- Meteorology I: Weather Condition & Observation	3	0	3
ENG	221	- English IV: Technical Report Writing	3	0	3
SPAN	221	- Spanish II: Intermediate Spanish	3	0	3
PHYS	221	- Physics II: Magnetism, Electricity and Sound	3	3	4
N S	21	- Naval Science & Tactics			(1.5)
			18	9	21

THIRD YEAR

		<u>First Semester</u>	<u>Lec.</u>	<u>Lab.</u>	<u>Units</u>
NAV	311 - Navigation V: Practical Problems in Navigation		3	3	4
SEA	311 - Seamanship V: Stability & Trim		3	0	3
SPAN	311 - Spanish III: Advanced Spanish		3	0	3
M E	311 - Basic Marine Engineering with Electrotechnology		2	3	3
SSci	311 - Taxation and Land Reform		3	0	3
MET	311 - Meteorology II: Oceanography with Marine Pollution		3	0	3
M L	311 - Marine Laws I: Marine Laws and Coastwise Trade		<u>3</u>	<u>0</u>	<u>3</u>
			20	6	22

Second Semester

NAV	321 - Navigation VI: Electronic Navigation	3	3	4	
SEA	321 - Seamanship VI: Shipyard Practice with Hull Preservation	3	0	3	
SSci	321 - Transportation Economics with Philippine Economic Geography & Family Planning	3	0	3	
SSci	322 - General Psychology with Moral Regeneration & Drug Abuse Education	3	0	3	
M L	321 - Marine Laws II: Marine Insurance, Foreign Trade & Ship's Business	3	0	3	
COMM	321 - Visual & audio Communication	2	3	3	
SPAN	321 - Spanish IV-N: Selected Filipino Writings in Spanish	<u>3</u>	<u>0</u>	<u>3</u>	
			20	6	22

FOURTH YEAR

(First Semester (6 Months))

Aboard Training (Practical Apprenticeship)	-	-	18
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FOURTH YEAR

<u>Second Semester (6 Months)</u>	<u>Lec.</u>	<u>Lab.</u>	<u>Units</u>
Shipboard Training (Practical Apprenticeship)	-	-	18

Students must submit a term paper (sea project) after his practical apprenticeship based on his observations in Navigation, Seamanship, Ship Handling in Storm Areas, Cargo Handling and Stowage, Meteorology, Ship Constructions and Repairs, Port Facilities, Communication, Ship's Business, Ship Maintenance, and Cargo Riggings.

NOTE:

YCAP to be taken during any summer term 120 hours

Practical Seamanship I-IV subjects will substitute for Physical Education I-IV requirements.

PROPOSED REMEDIAL SUBJECTS TO BE OFFERED ONLY ON THE SECOND SEMESTER, 1978-79 FOR THOSE WHO CHOOSE TO AVAIL OF P.D. No. 1560

	<u>Lec.</u>	<u>Lab.</u>	<u>Units</u>
Basic Marine Engineering with Electro-technology	2	3	3
Shipyards Practice with Hull Preservation	3	0	3
Pilipino I: Sining ng Pakikipagtalastasan	3	0	3
Pilipino II: Panitikang Pilipino	3	0	3
Aptitude for Service II: Professional Ethics	1	0	1
Transportation Economics with Philippine Economic Geography and Family Planning	3	0	3
Physics II: Magnetism, Electricity and Sound	3	3	4
Fundamentals of Typewriting	0	3	3
	<u>18</u>	<u>9</u>	<u>21</u>

