



Nautical Sciences Diploma Program Textbook Listing (Term 1)

For all terms:

Required textbooks MUST be brought to class.

Recommended textbooks are an additional resource you may find helpful, but do not need to be purchased or brought to class.

MSSM 1205 – SEAMANSHIP	REQ./REC. Texts
Seamanship Techniques: Shipboard and Marine Operations by D.J. House	Required
MSSM 1600 – OIL AND CHEMICAL TANKER FAMILIARIZATION	
Tanker Operations: A Handbook for the Person-In-Charge (PIC) by Mark Huber and G.S. Marton	Recommended
Tanker Handbook for Deck Officers by C. Baptist (<i>Out of print – Find on secondary market</i>)	Recommended
International Safety Guide for Oil Tankers and Terminals (ISGOTT) by the International Chamber of Shipping available from the Nautical Mind	Recommended
Tanker Safety Guide (Chemicals) by the International Chamber of Shipping	Recommended
Petroleum Tankship Safety by R.C. Page (<i>Out of print – Find on secondary market</i>)	Recommended
Chemical Tanker Notes by V. Kunichkin (<i>Out of print – Find on secondary market</i>)	Recommended
NAUT 1200 – SHIP CONSTRUCTION 1	
Ship Construction by D.J. Eyres	Recommended
Ship Knowledge: Ship Design, Construction, and Operation by K. Van Dokkum	Recommended
NAUT 1202 – SHIP STABILITY 1	
Merchant Ship Stability by H.J. Pursey	Recommended
Ship Stability for Masters and Mates by Barrass/Derrett	Recommended
NAUT 1225 – SHIP NAVIGATION SAFETY 1	
Collision Regulations available in PDF format or for purchase in book form from the BCIT Bookstore	Required
Bridge Procedures Guide by the International Chamber of Shipping available from the Nautical Mind	Recommended

NAUT 1235 – SHIP METEOROLOGY 1	
Reeds Maritime Meteorology by M. Cornish & E. Ives	Required
Notes on Meteorology by Kemp & Young	Recommended
Weather for the Mariner by W.J. Kotsch (<i>Out of print – Find on secondary market</i>)	Recommended
The Mariner's Handbook (Admiralty Nautical Publications) by the Hydrographic Office (<i>Out of print – Find on secondary market</i>)	Recommended
NAUT 1241 – MATHEMATICS	
Basic Mathematics with Applications to Science and Technology (Schaum's Outlines) by H. Kruglak	Required
Essential Mathematics by M.L. Keedy, M.L. Bittinger, & W.B. Rudolph (<i>Out of print – Find on secondary market</i>)	Recommended
NAUT 1990 – CO-OPERATIVE TRAINING 1	
On Board Training Record Book for Officers in Charge of a Navigational Watch (Deck Cadets)	Required



**Nautical Sciences Diploma Program Textbook Listing
(Term 3)**

ENAV 1030 – ELECTRONIC POSITIONING SYSTEMS		<i>REQ./REC. Texts</i>
Radar Observer's Handbook for Merchant Navy Officers by W. Burger (<i>Out of print – Find on secondary market</i>)		Recommended
Radar and Electronic Navigation by G.J. Sonnenberg (<i>Out of print – Find on secondary market</i>)		Recommended
The American Practical Navigator by N. Bowditch		Recommended
Electronic Navigation Systems by L. Tetley & D. Calcutt		Recommended
Worked Examples in Radar Plotting by I.W. Bagshaw (<i>Out of print – Find on secondary market</i>)		Recommended
GMDS 1800 – GMDSS: General Operator's Certificate (GOC)		
Understanding GMDSS: The Global Maritime Distress and Safety System by L. Tetley & D.M. Calcutt (<i>Out of print – Find on secondary market</i>)		Recommended
GMDSS for Navigators by P.C. Smith & J.J. Seaton (<i>Out of print – Find on secondary market</i>)		Recommended
The Mariner's Guide to Marine Communications by I. Waugh (<i>Out of print – Find on secondary market</i>)		Recommended
NAUT 1201 – TERRESTRIAL NAVIGATION		
Practical Navigation for Officers of the Watch by A. Frost		Required
The American Practical Navigator by N. Bowditch		Recommended
NAUT 1247 – PHYSICAL SCIENCE 1		
Applied Physics (Schaum's Outlines) by A. Beiser		Required
Beginning Physics I: Mechanics and Heat (Schaum's Outlines) by A.M. Halpern		Recommended
NAUT 1805 – COMMUNICATIONS 1		
International Code of Signals by the International Maritime Organization (<i>Out of print – Find on secondary market</i>)		Recommended
NAUT 1809 – COMMUNICATIONS 2		
IMO SMCP: IMO Standard Marine Communication Phrases (<i>Provided in class</i>) by the International Maritime Organization (<i>Out of print – Find on secondary market</i>)		Recommended

NAUT 2200 – SHIP CONSTRUCTION 2	
Ship Construction by D.J. Eyres	Required
Merchant Ship Construction by H.J. Pursey (<i>Out of print – Find on secondary market</i>)	Recommended
Ship Construction: Sketches and Notes by Kemp & Young (<i>Out of print – Find on secondary market</i>)	Recommended
Ship Knowledge: Ship Design, Construction, and Operation by K. Van Dokkum	Recommended
NAUT 2202 – SHIP STABILITY 2	
Ship Stability for Masters and Mates by Barrass/Derrett	Required
Merchant Ship Stability by H.J. Pursey	Recommended
Ship Stability: Notes and Examples by Kemp & Young (<i>Out of print – Find on secondary market</i>)	Recommended
Mathematics for the Trades: A Guided Approach by R.A. Carman & H.M. Saunders	Recommended
NAUT 2211 – SHIP CARGO 2	
Notes on Cargo Work by Kemp & Young (<i>Out of print – Find on secondary market</i>)	Recommended
Cargo Work: Care, Handling and Carriage of Cargoes by L.G. Taylor	Recommended
Cargo Work: For Maritime Operations by D.J. House	Recommended
NAUT 2225 – SHIP NAVIGATION SAFETY 2	
Collision Regulations available in PDF format or for purchase in book form from the BCIT Bookstore	Required
A Guide to the Collision Avoidance Rules by A.N. Cockcroft & J.N.F. Lameijer	Recommended
A Seaman's Guide to the Rule of the Road by J.W.W. Ford (<i>Out of print – Find on secondary market</i>)	Recommended
Bridge Procedures Guide by the International Chamber of Shipping available from the Nautical Mind	Recommended
NAUT 2230 – SHIP NAVIGATION 2	
The American Practical Navigator by N. Bowditch	Recommended
NAUT 2235 – SHIP METEOROLOGY 2	
Reeds Maritime Meteorology by M. Cornish & E. Ives	Required
Meteorology Self-Instruction (Environment Canada)	Required
Notes on Meteorology by Kemp & Young	Recommended
Weather for the Mariner by W.J. Kotsch (<i>Out of print – Find on secondary market</i>)	Recommended



**Nautical Sciences Diploma Program Textbook Listing
(Term 5)**

ENAV 1070 – SIMULATED ELECTRONIC NAVIGATION – OPERATIONAL		<i>REQ./REC. Texts</i>
Collision Regulations available in PDF format or for purchase in book form from the BCIT Bookstore		Required
Bridge Procedures Guide by the International Chamber of Shipping available from the Nautical Mind		Recommended
A Guide to the Collision Avoidance Rules by A.N. Cockcroft & J.N.F. Lameijer		Recommended
ENAV 3105 – ELECTRONIC CHART DISPLAY AND INFORMATION SYSTEM		
The ECDIS Manual: Volume 1 by P. Thornton		Recommended
ECDIS Basics: A Guide to the Operational Use of Electronic Chart Display and Information Systems by R. Becker-Heins		Recommended
Integrated Bridge Systems Vol. 2: ECDIS and Positioning by Dr. A. Norris		Recommended
NAUT 1260 – ORAL TUTORIAL 1		
Theory and Practice of Seamanship by G. Danton		Recommended
Seamanship Techniques: Shipboard and Marine Operations by D.J. House		Recommended
Bridge Procedures Guide by the International Chamber of Shipping available from the Nautical Mind		Recommended
International Code of Signals by the International Maritime Organization (<i>Out of print – Find on secondary market</i>)		Recommended
Collision Regulations available in PDF format or for purchase in book form from the BCIT Bookstore		Recommended
International Aeronautical and Maritime Search and Rescue Manual by the International Maritime Organization available from the International Maritime Organization		Recommended
NAUT 2203 – CELESTIAL NAVIGATION		
Practical Navigation for Officers of the Watch by A. Frost		Required
The American Practical Navigator by N. Bowditch		Recommended
The Elements of Navigation and Nautical Astronomy by C.H. Cotter available from the Nautical Mind		Recommended
Dutton’s Nautical Navigation by T.J. Cutler		Recommended

NAUT 2247 – PHYSICAL SCIENCE 2	
Applied Physics (Schaum's Outlines) by A. Beiser	Required
Basic Electricity (Schaum's Outlines) by M. Gussow	Required
Beginning Physics I: Mechanics and Heat (Schaum's Outlines) by A.M. Halpern	Recommended
Engineering Science by E. Hughes, C. Hughes, & W. Bolton	Recommended
Technical Physics by C.R. Green (<i>Out of print – Find on secondary market</i>)	Recommended
Volume 2: Applied Mechanics for Engineers (Reed's Marine Engineering and Technology) by P.A. Russell, W. Embleton, & L. Jackson	Recommended
Physics by J.D. Cutnell & K.W. Johnson	Recommended
NAUT 3200 – SHIP CONSTRUCTION 3	
Ship Construction by D.J. Eyres	Required
Ship Stability for Masters and Mates by Barrass/Derrett	Required
Merchant Ship Construction by H.J. Pursey (<i>Out of print – Find on secondary market</i>)	Recommended
Ship Construction: Sketches and Notes by Kemp & Young (<i>Out of print – Find on secondary market</i>)	Recommended
Ship Knowledge: Ship Design, Construction, and Operation by K. Van Dokkum	Recommended
NAUT 3202 – SHIP STABILITY 3	
Ship Stability for Masters and Mates by Barrass/Derrett	Required
Stability, Trim and Strength for Merchant Ships and Fishing Vessels by I.C. Clarke	Recommended
Stability and Trim for the Ship's Officer by W.E. George available from the Nautical Mind	Recommended
Volume 2: Admiralty Manual of Seamanship by Navy Dept. (<i>Out of print – Find on secondary market</i>)	Recommended
Volume 3: Admiralty Manual of Seamanship by Navy Dept. (<i>Out of print – Find on secondary market</i>)	Recommended
Merchant Ship Stability by H.J. Pursey	Recommended
NAUT 3211 – SHIP CARGO 3	
Cargo Notes by D. Swadi	Recommended
Cargo Work by D.J. House	Recommended

NAUT 3225 – SHIP NAVIGATION SAFETY 3	
Collision Regulations available in PDF format or for purchase in book form from the BCIT Bookstore	Required
A Guide to the Collision Avoidance Rules by A.N. Cockcroft & J.N.F. Lameijer	Recommended
A Seaman's Guide to the Rule of the Road by J.W.W. Ford available from the Nautical Mind	Recommended
Bridge Procedures Guide by the International Chamber of Shipping available from the Nautical Mind	Recommended
Bridge Team Management: A Practical Guide by Capt. A.J. Swift available from the Nautical Mind	Recommended
NAUT 3235 – SHIP METEOROLOGY 3	
Reeds Maritime Meteorology by M. Cornish & E. Ives	Required
Meteorology Self-Instruction (Environment Canada) (<i>Students may bring their copy from NAUT2235 [Term 3], or re-purchase</i>)	Required
Notes on Meteorology by Kemp & Young	Recommended
Weather for the Mariner by W.J. Kotsch (<i>Out of print – Find on secondary market</i>)	Recommended
The Mariner's Handbook (Admiralty Nautical Publications) by the Hydrographic Office (<i>Out of print – Find on secondary market</i>)	Recommended



**Nautical Sciences Diploma Program Textbook Listing
(Term 7)**

NAUT 1832 – NAVIGATION SYSTEMS AND INSTRUMENTS		<i>REQ./REC. Texts</i>
Electronic Navigation Systems by L. Tetley & D. Calcutt		Required
Marine Electronic Navigation by S.F. Appleyard		Recommended
The American Practical Navigator by N. Bowditch		Recommended
Compass Work by J.F. Kemp & P. Young (<i>Out of print – Find on secondary market</i>)		Recommended
NAUT 1855 – METEOROLOGY 2		
Reeds Maritime Meteorology by M. Cornish & E. Ives		Required
Meteorology Self-Instruction (Environment Canada)		Required
Meteorology for Seafarers by R.M. Frampton and P.A. Uttridge		Recommended
Passage Planning Guidelines by D.R. Salmon		Recommended
The Mariner’s Handbook (Admiralty Nautical Publications) by the Hydrographic Office (<i>Out of print – Find on secondary market</i>)		Recommended
Admiralty Ocean Passages of the World by Admiralty		Recommended
International Marine’s Weather Predicting Simplified: How to Read Weather Charts and Satellite Images by M.W. Carr		Recommended
Understanding Weatherfax: A Guide to Forecasting the Weather from Radio and Internet Weatherfax by M. Harris		Recommended
NAUT 1857 – SHIP MANAGEMENT 3		
The Shipmaster’s Business Companion by M. Maclachlan (<i>A Google search will lead to finding the availability of a pdf copy</i>)		Required
Chartering and Shipping Terms by J. Bes (<i>Out of print – Find on secondary market</i>)		Recommended
Maritime Law (Essentials of Canadian Law) by E. Gold, A. Chircop, & H. Kindred		Recommended
Commercial Management for Shipmasters: A Practical Guide by R.L. Tallack		Recommended
The Shipmaster’s Business Self-Examiner by M. Maclachlan		Recommended

NAUT 1869 – ENGINEERING KNOWLEDGE 1	
Introduction to Marine Engineering by D.A. Taylor	Required
Instruments and Control Systems for Deck Officers (Reeds Engineering Knowledge) by W. Embleton	Recommended
Volume 8: General Engineering Knowledge for Marine Engineers (Reed's Marine Engineering Series) by P.A. Russell, L. Jackson, & T.D. Morton	Recommended
Marine Auxiliary Machinery by H.D. McGeorge	Recommended
NAUT 1878 – CARGO 3	
Code of Safe Practice for Cargo Stowage and Securing by the International Maritime Organization	Recommended
Tankers: An Introduction to the Transport of Oil by Sea by Capt. Philippe Valois (<i>Out of print – Find on secondary market</i>)	Recommended
Tanker Operations: A Handbook for the Person-in-Charge (PIC) by M.E. Huber	Recommended
Cargo Notes by D. Swadi	Recommended