



**Nautical Sciences Diploma Program Textbook Listing**  
**(Term 1)**  
**(3-Year Program)**

**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.

| <b>MSSM 1205 – SEAMANSHIP</b>   |             |
|---|-------------|
| Seamanship Techniques: Shipboard and Marine Operations by D.J. House  | Required    |
| <b>NAUT 1225 – SHIP NAVIGATION SAFETY 1</b>   |             |
| A Guide to the Collision Avoidance Rules by A.N. Cockcroft & J.N.F. Lameijer  | Required    |
| Bridge Procedures Guide by the International Chamber of Shipping available from the <a href="#">Nautical Mind</a>   | Recommended |
| <b>NAUT 1241 – MATHEMATICS</b>  |             |
| Basic Mathematics with Applications to Science and Technology (Schaum's Outlines) by H. Kruglak   | Required    |
| <b>NAUT 1248 – PHYSICAL SCIENCE</b>   |             |
| Applied Physics (Schaum's Outlines) by A. Beiser  | Required    |
| Basic Electricity (Schaum's Outlines) by M. Gussow  | Required    |
| <b>NAUT 1805 – COMMUNICATIONS 1</b>   |             |
| International Code of Signals by the International Maritime Organization ( <i>Out of print – Find on secondary market</i> )   | Recommended |
| <b>NAUT 1809 – COMMUNICATIONS 2</b>   |             |
| IMO SMCP: IMO Standard Marine Communication Phrases by the International Maritime Organization ( <i>Out of print – Find on secondary market</i> ) <b>(This is provided in class for the students – Do not need to purchase)</b> | Required    |
| <b>NAUT 1990 – CO-OPERATIVE TRAINING 1</b>  |             |
| On Board Training Record Book for Officers in Charge of a Navigational Watch (Deck Cadets)  | Required    |





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

| <b>ENAV 1030 – ELECTRONIC POSITIONING SYSTEMS</b>   |  | <i>REQ./REC. Texts</i> |
|---|--|------------------------|
| The American Practical Navigator by N. Bowditch   |  | Recommended            |
| Electronic Navigation Systems by L. Tetley & D. Calcutt   |  | Recommended            |
| Worked Examples in Relative Radar Plotting by I.W. Bagshaw ( <i>Out of print – Find on secondary market</i> ) |  | Recommended            |
| <b>NAUT 1203 – TERRESTRIAL NAVIGATION</b>   |  |                        |
| Practical Navigation for Officers of the Watch by A. Frost  |  | Required               |
| The American Practical Navigator by N. Bowditch   |  | Recommended            |
| <b>NAUT 1820 – CHARTWORK &amp; PILOTAGE 2</b>   |  |                        |
| The American Practical Navigator by N. Bowditch   |  | Recommended            |
| Chart No. 1: Symbols, Abbreviations and Terms Used on Nautical Charts by the Canadian Hydrographic Service    |  | Recommended            |
| <b>NAUT 1850 – METEOROLOGY 1</b>  |  |                        |
| Reeds Maritime Meteorology by M. Cornish & E. Ives  |  | Required               |
| Meteorology Self-Instruction (Environment Canada)   |  | Recommended            |
| Notes on Meteorology by Kemp & Young  |  | Recommended            |
| Meteorology for Seafarers by R.M. Frampton and P.A. Uttridge  |  | Recommended            |
| Instant Weather Forecasting by A. Watts   |  | Recommended            |
| <b>NAUT 2204 – CELESTIAL NAVIGATION</b>   |  |                        |
| Practical Navigation for Officers of the Watch by A. Frost  |  | Required               |
| The American Practical Navigator by N. Bowditch   |  | Recommended            |





**Nautical Sciences Diploma Program Textbook Listing**  
**(Term 5)**  
**(3-Year Program)**

| <b>ENAV 1070 – SIMULATED ELECTRONIC NAVIGATION – OPERATIONAL</b>  |  | <i>REQ./REC. Texts</i> |
|---|--|------------------------|
| Bridge Procedures Guide by the International Chamber of Shipping available from the <a href="#">Nautical Mind</a>   |  | Recommended            |
| A Guide to the Collision Avoidance Rules by A.N. Cockcroft & J.N.F. Lameijer  |  | Recommended            |
| <b>ENAV 3105 – ELECTRONIC CHART DISPLAY AND INFORMATION SYSTEM</b>  |  |                        |
| 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            |
| <b>NAUT 2226 – SHIP NAVIGATION SAFETY 2</b>   |  |                        |
| A Guide to the Collision Avoidance Rules by A.N. Cockcroft & J.N.F. Lameijer  |  | Required               |
| Bridge Procedures Guide by the International Chamber of Shipping available from the <a href="#">Nautical Mind</a>   |  | 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 Team Management: A Practical Guide by Capt. A.J. Swift available from the <a href="#">Nautical Mind</a>      |  | Recommended            |
| <b>NAUT 3206 – SHIP CONSTRUCTION</b>  |  |                        |
| Ship Construction by D.J. Eyres   |  | Required               |
| Ship Knowledge: Ship Design, Construction, and Operation by K. Van Dokkum   |  | Recommended            |
| <b>NAUT 3212 – SHIP STABILITY</b>   |  |                        |
| Ship Stability for Masters and Mates by Barrass/Derrett   |  | Required               |
| Ship Stability for Mates and Masters by M. Rhodes   |  | Recommended            |
| Merchant Ship Stability by H.J. Pursey  |  | Recommended            |