

History 4260.007  
Maritime History of the  
Age of Sail: 1427-1838

## Spring 2012

MWF 10 – 10:50 am  
Wooten Hall 219

Dr. Donald K. Mitchener  
Office: Wooten Hall Room 228  
e-mail: donaldkeithmitchener@verizon.net

### Required Books:

Fernandez-Armesto, Felipe. *Pathfinders: A Global History of Exploration*  
Hattendorf, John, ed. *Maritime History: The Age of Discovery*  
Hattendorf, John, ed. *Maritime History: The Eighteenth Century and the Classic Age of Sail*  
Mack, John. *The Sea: A Cultural History*  
Padfield, Peter. *Maritime Supremacy and the Opening of the Western Mind: Naval Campaigns that Shaped the Modern World*  
Padfield, Peter. *Maritime Power and Struggle For Freedom: Naval Campaigns that Shaped the Modern World 1788-1851*

### Purpose of this Course:

The open oceans of this planet were the great common areas around which Europeans and their social/cultural progeny created what they proclaimed to be the “modern world.” At the heart of this creation lay the European-dominated economic system that depended upon access to and reasonably unfettered use of the sea. This course looks at the development of that system during the period known as the “Age of Sail.” Course topics include the maritime aspects of European exploration of the world, the development of ships and navigational technology, naval developments, general maritime economic theory, and maritime cultural history.

### Course Requirements and Grading Policies:

Students will take three major exams. In addition, they will write a 10-page paper. All will be graded on a strict 100-point scale. The final will **NOT** be comprehensive.

### Graduate Students:

Graduate students taking this class will write a 20-page historiographical paper in lieu of the 10-page undergraduate paper.

### The grades will be assigned as follows:

A = 90 - 100 points  
B = 80 - 89 points  
C = 70 - 79 points  
D = 60 - 69 points  
F = 59 and below

### Exams, and Papers (percentage of grade)

<b>1<sup>st</sup> Exam (25%)</b>	Friday, February 10
<b>2<sup>nd</sup> Exam (25%)</b>	Wednesday, March 7
<b>Paper Due (25%)</b>	Monday, April 9
<b>3<sup>rd</sup> Exam - Final (25%)</b>	Monday, May 7 (8:00 – 10:00 am)

### Lectures and Readings:

1. An introduction to the study of maritime history  
*Maritime History*, Vol. I, pp. xiii-xv
2. Ships and navigation during the Age of Sail  
*Maritime History*, Vol. I, pp. 21-49, 215-238  
*Maritime History*, Vol. II, pp. 47-116, 233-242
3. Maritime economics  
*Maritime History*, Vol. II, pp. 145-161, 213-230
4. Culture and Society in a European Maritime Setting  
*The Sea* – entire  
*Maritime History*, Vol. II, pp. 275-291

5. What is maritime strategy?  
*Maritime Supremacy*, pp. 1-6  
*Maritime Power*, pp. 1-28  
*Maritime History*, Vol. II, pp. 119-135, 175-184
6. Human exploration from prehistory to the European Late Middle Ages  
*Pathfinders*, pp. 1-106
7. Europe at the dawn of the Age of Exploration and Expansion  
*Maritime History*, Vol. I, pp. 3-19  
*Pathfinders*, pp. 1-106
8. The Age of European Exploration and Expansion
  - a) General Readings  
*Pathfinders*, pp. 153-242  
*Maritime History*, Vol. I, pp. 257-346
  - b) Portugal  
*Maritime History*, Vol. I, pp. 53-120
  - c) Spain  
*Maritime History*, Vol. I, pp. 123-214
  - d) The Netherlands  
*Maritime Supremacy*, pp. 57-86
  - e) England and France  
*Maritime History*, Vol. I, pp. 241-255, 279-317  
*Maritime History*, Vol. II, pp. 3-43
9. The decline of Spain as a maritime power  
*Maritime Supremacy*, pp. 20-56
10. 1651-1674: Anglo-Dutch maritime competition and conflict  
*Maritime Supremacy*, pp. 87-118
11. 1661-1815: Anglo-French maritime competition and conflict  
*Maritime History*, Vol. II, pp. 117-118, 137-144, 185-196, 243-254  
*Maritime Supremacy*, pp. 119-215  
*Maritime Power*, pp. 29-292, 335-349
12. 1607-1838: The English colonies/United States during the Age of Sail  
*Maritime History*, Vol. II, pp. 163-173, 199-209  
*Maritime Supremacy*, pp. 216-288  
*Maritime Power*, pp. 293-334
13. 1815-1838: Twilight of the Age of Sail  
*Maritime History*, Vol. II, pp. 257-273  
*Maritime Power*, pp. 351-388
14. Summary and Conclusions

**No extra credit work will be assigned or accepted.**

**Structure of First Exam:**

The first exam will test students on their knowledge of seamanship, naval tactics, and maritime strategy. The exam will consist of three parts. Part one will consist of twenty-five fill-in-the-blank sentences based upon the glossary of nautical/naval terms given to students by the instructor. Part two will consist of five short-answer/essay questions based upon material covered in lectures 1 – 3 and the accompanying readings. Part three will consist of a set of silhouettes of ship-types that the student must identify. This part of the test will be based upon a handout given the students by the instructor. The instructor will give out a review listing the possible short answer/essay questions during the first full week of class.

**Structure of Second and Third Major Exams:**

A review for each of these major exams will be given out three (3) weeks prior to the date on which each exam will be given. Six (6) of the questions on the review will be chosen by the instructor to include in the exam upon which the review is based. The chosen questions will be divided into three (3) pairs. The instructor will determine the pairings. Each student must select one question from each of the three pairs of questions for a total of three essays. Students are expected to use the list of possible essay questions on each review to prepare for the particular test for which that review has been prepared. The essay questions will be based upon the lectures and their accompanying readings.

**Papers:**

The body of papers will be ten (10) pages long.

Papers will be double-spaced with margins (left, right, top, and bottom) of one inch.

Students will use 12 point Times Roman typeface.

Use endnotes only.

DO NOT USE FOOTNOTES!!!

DO NOT USE PARENTHETICAL CITATIONS!!!

Students will cite sources using the style described in Rampolla's *Pocket Guide*.

Failure to use the specified style will result in a deduction of 15 points.

The instructor has established a turnitin.com site for this class. Students will upload an electronic copy of their paper to the site and will hand in a paper copy to the instructor, both by the date indicated above (Monday, April 9, 2012).

Each student must meet with the instructor to discuss paper topics. Students will be assigned individual paper topics at these meetings.

**Punctuality and attendance:**

Students are expected to be on time for all class meetings and examinations. Attendance will be taken at each class meeting. Attendance will be used, at the instructor's discretion, to determine whether or not the student receives the instructor's "benefit of the doubt" when grades are assigned at the end of the semester.

**Office Hours:**

Monday and Wednesday 11 am – 1 pm and 3 – 5 pm in Wooten Hall Room 228.

**Contacting Your Instructor:**

It is best to contact your instructor via email. I am not in my office outside of office hours very often, but I check my email regularly. I will get back with you as soon as possible.

**Information Concerning Grades:**

FERPA rules require that information concerning grades be communicated directly to students by the instructor. This means that I cannot communicate information concerning a student's grades via email or telephone. The instructor and student must meet face-to-face.

**Handout and Test Return Policy:**

Those students missing class when instructional items and graded tests are distributed can pick up missed materials and graded tests during office hours.

**Class Notes:**

The instructor will not furnish class notes or copies of the presentations to students. If you miss a lecture, get the notes from one of your fellow students in the class.

**Student Behavior:**

Students are expected to act like responsible adults in class. This means no talking or engaging in any other disruptive activity once class has begun. Students may speak when called upon by the instructor or, within reason, when reacting to something done or said by the instructor. Students who fail to comply with this standard of behavior will receive two warnings. If a third warning proves necessary, then the offending student/students will be told to leave the classroom.

Persons who are late getting to class on the day of a test or on the day of the final will not be allowed to take the test/final if they arrive after any students have completed and handed in their tests. Know what day your tests are being given and get to class on time.

If you leave class while a test is being administered with your books or any other materials in your possession, your test will be taken and graded based upon what you have completed.

**Cell Phones:**

Cell phones will be turned *completely off*. If a student needs to have the cell phone on vibrate for some reason, he or she must see the instructor before class for permission.

***During tests, cell phones must be put away so that they are not visible to the student. No text messaging allowed. Sending or receiving text messages during an exam will be considered prima facie evidence of cheating and will be handled accordingly.***

**Use of Computers in Class:**

Students may use computers to take notes in class. However...

While the instructor understands the popularity and convenience of laptops for this purpose, he also knows that far too often students use their computers to play games and surf the Internet. The misuse of a computer during class in this manner not only harms the student engaged in the activity, but it also is a distraction to others around the student who might actually be in class for the purpose of taking notes in preparation for the tests. To protect the studios, students who misuse their computers in this way will, when caught, be told to shut off their computer.

**Make-up Policy for Major Exams**

A student missing the First or Second Exam must make up the exam by the beginning of class the following week. A make-up exam will be placed in the History Help Center for students who **meet with the instructor** and arrange to take the make-up. Make-up exams will not be automatically placed in the Help Center. It is the student's responsibility to make sure that a missed exam is made up within the specified one-week period. Unless other arrangements are made with the instructor, all students who do not make up a test within the one-week make-up period will receive a "0" ["zero"] for that exam.

**Disability Accommodation (ADA):**

The University of North Texas is committed to full academic access for all qualified students, including those with disabilities. In keeping with this commitment and in order to facilitate equality of educational access, faculty members in the Department History will make reasonable accommodations for qualified students with a disability, such as appropriate adjustments to the classroom environment and the teaching, testing, or learning methodologies when doing so does not fundamentally alter the course. The ODA liaison for the Department of History is Dr. Pomerleau (Wooten Hall Room 234; phone 940-565-4214).

If you have a disability, it is your responsibility to obtain verifying information from the Office of Disability Accommodation (ODA) and to inform the instructor of your need for an accommodation. Requests for accommodation must be given to the instructor no later than the first week of classes for students registered with the ODA as of the beginning of the current semester. If you register with the ODA after the first week of classes, your accommodation requests will be considered after this deadline.

Grades assigned before an accommodation is provided will not be changed. Information about how to obtain academic accommodations can be found in UNT Policy 18.1.14, at [www.unt.edu/oda](http://www.unt.edu/oda), and by visiting the ODA in Room 321 of the University Union. You also may call the ODA at 940-565-4323.

**Academic Ethics (Cheating and Plagiarism):**

Students will be held accountable for acts of cheating, dishonesty, or plagiarism as defined in the student handbook. This includes, by the way, the use of cell phones to text answers to one another during an exam. Any student found to be engaging in any form of dishonest conduct during the taking of an exam will be expelled from that particular class period and will receive a “0” [“zero”] for that exam.

**History Help Center:**

Located in Wooten Hall, Room 220, the History Help Center provides assistance to students enrolled in history courses at UNT.

***The Instructor reserves the right to add to or to make changes to any and all of the forgoing descriptions, instructions and/or information at his discretion.***

# Nautical / Naval Terms

1. Aback – a term applied to a vessel whose yards are so trimmed that the wind is on their forward side and tending to drive her astern
2. Abaft – towards the stern of a ship, relative to some other object or position.
3. Aboard – on or in a vessel. Close aboard is to be in close proximity to a ship or obstruction.
4. About – across the wind in relation to the bow of a sailing vessel.
5. Adrift – a term denoting floating at random, as of a boat or ship broken away from its moorings and at the mercy of winds and waves.
6. Afloat – the condition of resting buoyantly upon the water, the upward pressure being equal to that of gravity.
7. Aft – at or near the stern or after part of a ship (opposite of fore).
8. Astern – behind a vessel.
9. Athwart – something which is directly across the line of a ship's course.
10. Awash – the condition when the seas wash over a wreck or shoal, or when a vessel is so low that water is constantly washing aboard in quantities.
11. Away – an order to shove off or to lower a boat or draft of cargo.
12. Aweather – towards the direction of the wind; to windward.
13. Aweigh – the situation of the anchor at the moment it is broken out of the ground. When this situation occurs, the ship is no longer secured to the ground and will drift unless under sail or power.
14. Ballast – additional weight carried in a ship to give it stability and/or to provide a satisfactory trim.
15. Batten Down – to secure the openings in the decks and sides of a vessel when heavy weather is forecast.
16. Beam – the transverse measurement of a ship at its widest part. It is also a term used in indicating direction in relation to a ship.
17. Bearing – the direction or point of the compass in which an object is seen, or the direction of one object from another, with reference to (1) the nearest cardinal point of the compass, or (2) true north, measuring clockwise.
18. Beating – working to windward by successive tacks.
19. Becalm – to blanket a sail or vessel by intercepting the wind with other sails or with another vessel. A vessel unable to make progress through the lack of wind is *becalmed*.

20. Bend, to – to secure a sail to a yard or other spar. Also, to shackle the chain to the anchor.
21. Binnacle – a wooden box or non-magnetic metallic container for the compass.
22. Boatswain – (pron. *bō'sun*) in the U.S. Navy, a warrant officer whose major duties are related to deck and boat seamanship.
23. Boatswain's Mate – in the U.S. Navy, a petty officer who supervises the deck force in seamanship duties.
24. Bollards – two vertical heads of iron or wood to which mooring lines are made fast.
25. Boom Out a Sail, to – to extend a corner of a sail with a spar.
26. Bow – the foremost end of a ship.
27. Bowditch, Nathaniel (1773-1838) – the author of the *American Practical Navigator*, the great American epitome of navigation, known popularly among seafarers as *Bowditch*. It is published by the U.S. Naval Oceanographic Office.
28. Bowline – (pron. *bō'lin*) the line leading forward from the bow chock when a vessel is tied up to a wharf.
29. Bowsprit – (pron. *bō'sprit*) a large spar projecting from the stem of sailing vessels.
30. Boxing the Compass – to name the points (and quarter points) of the compass from north through south to north and return backwards and to be able to answer any question respecting its divisions.
31. Break – a sudden rise or drop in a vessel's deck line.
32. Bridge – an elevated athwartship platform from which a vessel is navigated and all activities on deck are in plain view.
33. Bring To, to – to heave a vessel to the wind.
34. Broadside – the full weight of metal which can be fired simultaneously from all the guns on one side of a warship.
35. Bulkhead – a vertical partition dividing the hull into separate compartments.
36. Bulwark – the planking or woodwork, or steel plating in the case of steel ships, along the sides of a ship above its upper deck to prevent seas washing over the gunwales.
37. By the Head – when a vessel is deeper than her normal draft forward.
38. By the Lee – the situation when a square-rigged vessel running free on one tack is thrown off by a sea or bad steering sufficiently to bring her sails aback on the other tack.
39. By the Stern – when a vessel is deeper than her normal draft at the stern, out of trim by an excess of weight aft.

40. By the Wind – sailing close-hauled.
41. Capstan – a cylindrical barrel fitted in larger ships on the forecandle deck and used for heavy lifting work, particularly when working anchors and cables.
42. Careen – to list; a vessel is hove down by careening her, when in a light trim, by use of tackles to a dock or trees on a river bank for the purpose of cleaning her bottom.
43. Cat o'Nine Tails – an implement of punishment in the old navy. It consisted of nine cords each with three knots, all lashed to a short heavy piece of rope. To be so punished was to be *introduced to the gunner's daughter*.
44. Celo-navigation – the science of finding a ship's position by means of observations of heavenly bodies and the mathematical calculation attending them.
45. Close-hauled – the condition of sailing when a vessel sails as close to the wind as possible with her sails full and drawing.
46. Come To, to – to turn toward the wind.
47. Coxswain – (pron. *coxs'n*) the helmsman of a ship's boat and the senior member of its crew who has permanent charge of it.
48. Davits – small cranes from which a ship's boats are slung.
49. Dismasted – to lose a mast.
50. Draft – the depth of water a ship draws.
51. Ensign – the flag carried by a ship as insignia of her nationality, usually hoisted on a staff over the railing about her stern.
52. Fall Off, to – to deviate from the course to which the head of a ship was previously directed.
53. Fathom – a nautical measure equal to six feet.
54. Flag Officer – naval officer above rank of captain. So called because the officer is authorized to fly a personal flag.
55. Flagstaff – a pole on which a flag is hoisted and displayed.
56. Forecandle – (pron. *fō'c'sul*) forward section of weather deck.
57. Freeboard – the distance, measured at the center of the ship, from the waterline to the uppermost complete deck that has permanent means of closing all openings in its weather portions.
58. Gaff – a spar that stands or hoists on the after side of the mast and supports the head of the sail.
59. Gunwale – (pron. *gunnul*) the upper edge of a vessel's or boat's side.



60. Halliards – the ropes, wires, or tackles used to hoist or lower sails.
61. Hatch – an opening in a ship’s deck affording access into the compartment below.
62. Haul, to – to pull (nothing is ever “pulled” aboard ship)
63. Haul the Wind, to – to bring a sailing vessel nearer to the wind after she has been running before the wind.
64. Head – toilet facilities.
65. Heave To, to – to operate a sailing ship or powered vessel in such a way as to make no headway (the vessel remains relatively stationary). [syn. “to lie to”]
66. Heel, to – to lean over to one side, though not permanently.
67. Helm – the steering mechanism of a ship.
68. Hull – the body of a vessel exclusive of masts, yards, sails, rigging, machinery, and equipment.
69. Hull-down – a ship so far distant that only its masts, and/or sails, funnels, etc., are visible above the horizon.
70. Hull a Ship, to – to penetrate a vessel’s hull with shot.
71. Inboard – towards midships.
72. Jackstaff – flagpole at the bow from which the union jack is flown when a ship is not under way.
73. Keel – the main center-line structural member, running fore and aft along the bottom of a ship.
74. Keel-haul – a punishment in which a man was hauled down one side of a vessel under the keel and up the other side.
75. Knot – a measure of speed, not distance, in nautical miles per hour (equivalent to app. 1.1508 statute miles per hour)
76. Larboard – left (now referred to as “port”) side of a ship when looking forward.
77. Larboard (or Port) Tack – the situation of a sailing vessel with her sails trimmed for a wind which comes over her larboard (or port) side.
78. Lee – the side of a ship, promontory, or other object away from the wind.
79. Leeward, to – (pron. *loo’ard*) being situated, or having a direction, away from the wind.
80. List – the inclining of a ship to one side or the other due usually to a shift in the cargo or the flooding of some part of the hull. It is a longer-term situation than a heel.
81. Magazine – compartment aboard ship or ashore fitted for the stowage of ammunition.

82. On the Beam – the direction at right angles to a ship’s heading or line of her keel.
83. Outboard – away from a vessel; away from the center fore and aft line.
84. Overhaul – to overtake another vessel.
85. Patent Log (also, Taffrail Log) – a mechanical device used for the purpose of measuring the distance a vessel has sailed.
86. Plimsoll Mark – a figure marked on the sides of cargo carriers indicating the depth to which the vessel can be loaded under given weather and water conditions.
87. Poop – the raised deck and after structure at the stern of a vessel.
88. Press of Sail – said of a vessel which carries an extraordinary spread of canvas for some special purpose such as to avoid stranding, to escape an enemy, etc....
89. Purchase – general term for any mechanical arrangement of blocks and line for multiplying force.
90. Quarterdeck – ceremonial area of the main deck. In sailing vessels, it is abaft the mainmast. It was from the quarterdeck that the captain or master commanded a sailing vessel.
91. Rake, to – to maneuver a warship so that it can fire down the length of an adversary.
92. Rigging – all the rope, chain, metalwork, and associated fittings used to support and operate the masts, spars, flags, sails, booms, and derricks of sailing vessels, and the masts, booms, and derricks of powered vessels.
93. Rudder – a flat vertical surface astern by which a ship or boat may be steered.
94. Scuppers – draining holes cut through the bulwarks to allow any water on deck to drain away down the ship’s side.
95. Sheave – (pron. *shiv*) the revolving wheel (or pulley) in a block.
96. Shoal – a patch of water in the sea with a depth less than that of the surrounding water.
97. Spanker – the fore and aft sail set from the after mast of a sailing vessel.
98. Spars – a term applied to all masts, yards, gaffs, booms, etc.
99. Starboard – right side of a ship when looking forward.
100. Starboard Tack – the situation of a sailing vessel with her sails trimmed for wind which comes over her starboard side.
101. Steerage Way – to have sufficient headway for the rudder to grip the water so that a vessel will answer to her helm.
102. Stem – the foremost timber or steel member forming the bow of a vessel.

103. Stern – the after end of a vessel.
104. Strake – line of planks or plates running the length of a vessel.
105. Superstructure – all construction above the main deck of a ship.
106. Tack, to – the operation of bringing a sailing vessel's head to wind and across it so as to bring the wind on the opposite side of the vessel.
107. Tackle – (pron. *tākle*) name used for a purchase after a line has been rove through the sheaves and the standing part has been made fast to one of the blocks. Essentially synonymous with “purchase” in everyday usage.
108. Taffrail – the upper part of a ship's stern.
109. Tiller – lever that turns the rudder on a boat. Synonymous with “helm” in a larger vessel.
110. Van – the forward part or group of a formation of ships.
111. Waterline – the line indicated along the side of a vessel by the plane of the surface of the water.
112. Weather – towards the point from which the wind blows.
113. Weather Deck – an uncovered deck exposed to the weather.
114. Weather Gage – the advantage of the wind. It refers to the position of a ship under sail when she is windward of another ship.
115. Weigh – to raise or lift the anchor.
116. Windward, to – in the direction from which the wind blows.
117. Yards – long, nearly cylindrical spars, tapering toward the ends, used for supporting and extending sails.

## Compass points

#	Compass point	Abbr.	Traditional wind point	True heading
1	<b><u>North</u></b>	N	Tramontana	0.00° or 360.00°
2	North by east	NbE		11.25°
3	North-northeast	NNE		22.50°
4	Northeast by north	NEbN		33.75°
5	<b><u>Northeast</u></b>	NE	Greco or Bora	45.00°
6	Northeast by east	NEbE		56.25°
7	East-northeast	ENE		67.50°
8	East by north	EbN		78.75°
9	<b><u>East</u></b>	E	Levante	90.00°
10	East by south	EbS		101.25°
11	East-southeast	ESE		112.50°
12	Southeast by east	SEbE		123.75°
13	<b><u>Southeast</u></b>	SE	Sirocco	135.00°
14	Southeast by south	SEbS		146.25°
15	South-southeast	SSE		157.50°
16	South by east	SbE		168.75°
17	<b><u>South</u></b>	S	Ostro	180.00°
18	South by west	SbW		191.25°
19	South-southwest	SSW		202.50°
20	Southwest by south	SWbS		213.75°
21	<b><u>Southwest</u></b>	SW	Libeccio	225.00°
22	Southwest by west	SWbW		236.25°
23	West-southwest	WSW		247.50°
24	West by south	WbS		258.75°
25	<b><u>West</u></b>	W	Poniente or Zephyrus	270.00°
26	West by north	WbN		281.25°
27	West-northwest	WNW		292.50°
28	Northwest by west	NWbW		303.75°
29	<b><u>Northwest</u></b>	NW	Mistral	315.00°
30	Northwest by north	NWbN		326.25°
31	North-northwest	NNW		337.50°
32	North by west	NbW		348.75°



