



## CAPCA

Chesapeake Area Professional Captains Association  
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### Continuing Education Course Outline

**Title of Course:** CAPCA Advanced Marine Weather

**Date of Course:** Saturday & Sunday, April 27 & 28, 2013 8:00am to 5:00pm

**Course Location:** Annapolis Elks Lodge #622, Edgewater, MD 21037

**Course Instructor:** Senior Meteorologist Lee S. Chesnea [www.marineweatherbylee.com](http://www.marineweatherbylee.com)

#### Day One:

**0800 – 0830: Welcome: Opening Statements & Introductions**

**0830 – 0930: Review of Key Points Learned in the Basic Marine Weather Course**

**0930 – 1200: Exercises in Marine Weather Forecasting Utilizing Surface Pressure Charts**

**1200 – 1300: Lunch – Networking**

**1300 – 1430: Concepts of Upper Air Charts with focus on 500 Mb Charts**

**1430 – 1530: Concepts of Weather Routing as it relates to 500 Mb Charts**

**1530 – 1600: Weather Map Discussion focusing on Surface Pressure & 500 Mb Charts**  
(Homework: Read “Mariners Guide to the 500 Mb Chart” article.)

**1600 – 1630: Review, Group Discussion & Networking**

*(Breaks will occur throughout the day per Instructor’s discretion.)*

#### Day Two:

**0800 – 1030: Homework Review & Reinforcement Exercises Utilizing Surface Pressure & 500 Mb Charts**

**1030 – 1200: Concepts of Wind & Waves**  
(Review of Sea State Analysis and Various Wind & Wave Products)

**1200 – 1300: Lunch – Networking**

**Day Two: (contd.)**

**1300 – 1415: Relating Wind & Wave Charts and their relationship with Surface Pressure Maps**

**1415 – 1515: Local & Geographic Effects and how they are depicted on Various Weather Maps**

**1515 – 1545: Live Weather Map Discussion**

(The last part of the afternoon session will be devoted to a live weather map discussion, (focusing on upper air 500 Mb, surface pressure, sea state, wind & wave charts), in order to consolidate the learning of the past two days and to use this discussion as a road map for the attendees to follow up on the own.)

**1545 – 1600: Review of the Forecast Documentation and Verification Culture introduced in the Basic Marine Weather Course**

**1600 – 1630: Review, Group Discussion & Networking**

*(Breaks will occur throughout the day per Instructor's discretion.)*