

# 35 Hour Advanced Meteorology

## COURSE DESCRIPTION

This course is designed for the second mate wishing to advance to Chief Mate/ Master. It has been carefully designed to meet the STCW-95 competencies for the function Navigation at the Management Level, Forecast Weather and Oceanographic Conditions as delineated in Table A-II/2 of the STCW Code and as specified in the U. S. Coast Guard's NMC Policy Letter Number 04-02 of January 11, 2002. This 35-hour course covers the following advanced meteorology principles

- Characteristics of various weather systems
- Ocean Systems
- Synoptic charts and weather forecasting
- Routing software programs

## COURSE APPROVAL

This is a USCG approved course. The person successfully completing this course will satisfy the advanced meteorology training requirements for STCW certification as Master or Chief Mate and will have successfully demonstrated the STCW Function Navigation at the Management Level

(1), Forecast Weather and Oceanographic Conditions (Table A-II/2); and

(2) the following assessments reflected in the National Assessment Guidelines: M-6-1A M-6-2A.

## COURSE SCHEDULE

	Day 1	Day 2	Day 3	Day 4	Day 5
<b>Morning</b>	Introduction 1 hour	Characteristics of Weather Systems 1 hour	Synoptic Charts and Weather Forecasting 4.0 hours	Synoptic Charts and Weather Forecasting 4.0 hours	Course Review 1 hour
	Characteristics of Weather Systems 3.0 hours	Ocean Systems 3.0 hours			Final Exam 1 hour
					Exam Review and Course Critique 1 hour
	Lunch	Lunch	Lunch	Lunch	
<b>Afternoon</b>	Characteristics of Weather Systems 4.0 hours	Ocean Systems 4.0 hours	Synoptic Charts and Weather Forecasting 4.0 hours	Synoptic Charts and Weather Forecasting 1.0 hour	
				Routing Software 3 hours	

## COURSE REQUIREMENTS

This course is principally intended for officers for certification as master and chief mate on ships of 500 gross tons or more. Trainees should have a minimum of six months watchkeeping experience as officer in charge of a navigation watch.