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Syllabus and Subjects: Quick Guide

Recreational and Small Commercial Guide

- Setting up in business as a marine surveyor
- The structure of the maritime industry
- Forms Filled in Forms and Checklists
- Risk management and formal safety assessment. Inspected Vessel, Fishing Vessel
- Marine surveyors and surveyor organizations.
- Knowing your customers
- Types of surveys
- Professional Liability
- Performing the survey
 - Effective Writing and Reporting
- Preparation
- Structure and style: Boiler plating and unacceptable survey reports. How to correct
- Report writing
- Professional presentations

Using Technology in Marine Surveying

- Cameras, email, testing equipment overview and photographs provided
- Selecting and choosing practical and cost-effective IT equipment
- Basic concepts, tonnage, admeasurement, USCG Oversight
- Flotation
- Stability
- Strength
- Safety
- Superyachts
 - Class surveys
 - Safety surveys
 - Pre-delivery surveys



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- Breakdown surveys
- Damage surveys
- Using ultrasonic measuring equipment
- Putting theory to practice
- The survey of yacht machinery and equipment
 - Primary power plant surveys
 - Auxiliary machinery
 - Electrical equipment
 - Navigation and communication equipment
 - Safety and firefighting equipment

Salvage and dead water surveys and fault finding

- Main power plant faults
- Pumping systems
- Faults and defects - hull and deck
 - Surveying hull structures
 - Defects in coatings

Legal Advice for the Marine Surveyor or the Marine Surveyor and the Law

Accident and Fraud investigation Course: Marine Incident Investigation

- Legal aspects of marine incident investigation
- The gathering of evidence
- The analysis of evidence
- Case studies
 - Witness Interviewing Techniques
- The social skills of interviewing: Questions and question types
- Keeping within the law
 - Admiralty Court jurisdiction
- Collisions and salvage
- Towage and pilotage



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- The gathering of evidence
- The analysis of evidence
- Case studies

Cargo

- Introduction to shipping law (Cargo Course)
- Carriage of goods by sea - (Cargo Course)
- Global and package limitation: the international (Cargo Course)
- Law of evidence for expert witnesses (Accident and Fraud Investigation)
- Marine insurance law
- Interaction of marine policies
- Hull and machinery
Pollution
- ISM code/evidence
- Dispute resolution
- Summary and future developments

Safety Surveys (Fishing Vessel is included only with MMS Membership)

Inspected Vessel Surveys are included in the Recreational and Small Commercial

- The role of the IMO
- The role of governments
- SOLAS and COLREGS
- Surveys and certification
- Documents of compliance
- Reports and records
- Preparation for surveys
- Personal life-saving appliances
- Lifeboats and rescue boats
- Life rafts
- Survival craft communications



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- Muster list, emergency instructions, manning of survival craft and maintenance
 - Line-throwing appliances, emergency lighting and general alarm systems
 - Testing and type approval of life-saving a
- Fire Protection, Detection and Extinction
- Preparation for surveys
 - Structural fire protection
 - Fire detecting equipment
 - Fixed fire-extinguishing equipment
 - Miscellaneous fire-fighting equipment Fire control plans

Navigational Aids and Equipment

- Preparation for surveys
- Navigational aids and equipment
- Testing and type approval of navigational equipment
 - Underwater Hull and Structural Surveys

Commercial ABS Ship and large yacht structures

- loads
- Structural design criteria
- Materials of construction
- Deterioration of materials
- Welding
- Failures of ships' structure
- Periodic surveys of ships' hulls
- Inspections of the ship's structure
- Using ultrasonic measuring equipment
- General principles
- Origins of damage
- Storages
- Lashing/securing
- General cargo



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- Heavy lifts
 - Cargoes, Bulk cargoes
 - Hazardous cargoes
 - Deep tank cargoes
 - Specific surveys
 - Bills of lading
 - Damage and loss surveys
 - Marine insurance
 - Adjusting marine insurance claims
 - An introduction to liquid cargo surveys
 - Origins of damage
 - The stowage of liquid cargoes
 - Liquid volume measurements and on-board cargo care
 - Crude mineral oil
 - Petroleum products
 - Bulk chemical cargoes
 - Liquefied gas cargoes
 - Animal/vegetable oils and fats
 - Preparation for surveys
 - Periodic surveys of ships' hulls
 - Inspections of the ship's structure
 - Using ultrasonic measuring equipment
- Salvage and deadwater surveys and fault finding
- The main categories of marine environmental surveys
 - Assessing the environmental impact of oil pollution incidents in the marine environment
 - Assessing the impact of the ports and shipping industry on the marine environment
 - Assessing the environmental impact of the introduction of non-native marine species