

WEEK	Lecture Topic(s)
Lecture 1	Introduction to BRM – Class Policies and Procedures Relevant International Regulations on BRM USCG Regulations on BRM History of BRM
2	Quiz 1 Watch Keeping Watch Conditions Relieving the Watch Night Orders/Standing Orders
3	Review Case Study 1: ROYAL MAJESTY - Grounding Voyage Planning Procedures – ISO – ISM Checklists
4	Quiz 2 Situational Awareness Voyage Monitoring
5	Review Case Study 2: EL PASO PAUL KAYSER Grounding Human Factors Communications
6	Review Case Study 3: SHEN NENG 1 Grounding Fatigue Work Hours Sleep – Circadian Rhythm One Man Bridge
7	Mid Term Exam Decision Making
8	Review Case Study - 4: QUEEN OF THE NORTH Grounding Stress & Complacency Crew Size – Morale – Working Conditions Watch Types
9	Quiz 3 Error Chains Error Trapping

Distractions

- 10 Review Case Study - 5: NOORDAM Collision
The Bridge Team – teamwork
Assertiveness & Leadership
 - 11 Quiz 4
Ergonomics – Bridge/Ship Design
Technology and Bridge Resource Management
Overreliance
 - 12 Review Case Study - 6: EMPRESS OF NORTH Grounding
Utilization of Resources
Small Vessel BRM
 - 13 Review Case Study - 7: QUEEN ELIZABETH 2 Grounding
Master Pilot Exchange
Pilot Integration
Emergency Stopping
- FINAL WEEK Covers entire course AND Accident Report of AIR FRANCE FLIGHT 447

Simulation Week (6)

- 1 At Sea - Pre-arrival Gear Tests - up to Pilot
Clear Conditions - Watch Conditions 1-3

- 2 At Sea - Proximity to Coast - High Density Traffic
Clear Conditions - Watch Condition 3

- 3 Entering Port - No GPS - parallel Indexing
Clear Conditions - Inside Piloting - Watch Condition 3

- 4 Departing Port - Use of Tugs - VTS interaction
Clear Conditions - Inside Piloting - Watch Condition 3

- 5 Arrival Port - High Density Traffic - Reduced Visibility
Watch Condition 3

- 6 Arrival Port - VTS & Port Control Interaction
Pilot Interaction To Anchor - Watch Condition 3-4

FINAL WEEK Emergency Stop Assessment