



Pilot Training Matrix

MITAGS is proud to announce the **Pilot Training Matrix**. This innovative program offers the most popular “pilot centric curriculum” in a matrix that allows maximum flexibility. The following is a sample of how the matrix would be placed on our Academic schedule. Pilots can customize their own training schedule by signing up for a combination of courses and/or seminars that are of interest within the six-day block.

Sample Matrix

| Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 |
|--|-------------------------------|---|---------------------------------------|------------------------------|--------------------|
| ROR (1 day) | ARPA (4 days) | | | | |
| ESH/BRMP (3 days) | | | ESH/BRMP (3 days) | | |
| Azipod/Kamewa Control System (3 days) | | | Tractor Tugs for Pilots (2.5 days) | | |
| AIS/PPU (1-day) | Security Awareness (1-day) | Fatigue/Sleep/ Medications (1-day) | Contingency Planning (1-day) | Media Response (1-day) | AIS/PPU (1-day) |
| | | Legal Aspects of Pilotage (evening) | ROR (Evening) | | |

Sample Schedule

A pilot could take the Emergency Shiphandling/Bridge Resource Management for Pilots (ESH/BRMP) course for three days, then follow it up with Tractor Tugs for Pilots. As another alternative, the pilot could take the AIS/PPU, Security Awareness, and Fatigue/Sleep/Medications seminars, then follow it up with ESH/BRMP. The various combinations are up to the individual pilot. As an added service, our highly successful “Legal Aspects of Pilotage” seminar will be offered in the evening on day three. Radar renewal can also be scheduled on almost any evening during the six-day block.

Available Courses

ARPA: Automatic Radar Plotting Aids

The goal of this 5-day STCW-95 required course is to train pilots in the proper use of ARPA. The curriculum exceeds IMO requirements. Hands-on simulation is conducted on Raytheon, Sperry, and Furuno raster scan ARPAs. The successful completion of the course entitles attendees to an ARPA certificate and an unlimited radar renewal endorsement. Attendees are strongly advised to practice radar plotting before the start of class.

ROR: Radar Observer Renewal

This course is a one-day course designed for those who need to renew their current radar certificate.



ESH/BRMP: Emergency Shiphandling and Bridge Resource Management for Pilots

This course of instruction is designed to provide qualified maritime pilots instruction and proficiency in Emergency Shiphandling and Bridge Resource Management for Pilots. This program is a combination of the American Pilots Association (APA) endorsed BRMP program with practical application of BRMP concepts conducted during full-mission ship simulation emergency exercises.



AZIPOD-KAM: Azipod/Kamewa

The Azipod/Kamewa orientation course is designed to familiarize the attendee with the unique maneuvering characteristics of an azipod propulsion system and a kamewa control system. The course includes orientation to the transit mode (active rudders), independent maneuvering mode, and the joystick mode. Simulation exercises are designed to provide a realistic transition from one mode to the next during all phases of maneuvering that is from berth to berth.

Tractor Training for Tugs

The two and one-half day Tractor Tug escort course provides knowledge and practical training in the theory, operation, and use of Water Tractor and Azimuth Stern Drive tugs in the escort role.



AIS/PPU: Automatic Identification Systems/Portable Piloting Units

This one day of the program reviews recent advances in automatic identification systems (AIS), and the use with portable piloting units (PPU). The goal is to appraise pilots of the benefits and limitations of these systems.

SEC-PILOT: Security Awareness

This course is intended to provide the fundamental knowledge of the Maritime Transportation Security Act of 2003, Chapter XI-2 of SOLAS 74, as amended, the IMO ISPS Code, Title 33 Code of Federal Regulations – Part 105, and relevant U.S. Coast Guard regulations. Special emphasis on practical knowledge needed to operate in the new security conscious environment.

MED-FSM: Fatigue, Sleep, and Medications

This seminar will assist the attendee to understand how medications, certain sleep patterns, and sleep disorders can decrease their effectiveness or even potentially increase the risk of errors during transits. Basic information on sleep and fatigue will be presented. Participants will review several effects of some prescription and over-the-counter medications on piloting performance and fatigue. Additionally, positive and negative utilization of caffeine as a stimulant will be discussed.



CONT-PLNG: Contingency Planning

This workshop will introduce the attendee to the concepts of contingency planning and emergency management using the NFPA 1600 Standard on Disaster/Emergency Management and Business Continuity Workshops.

MEDIA-RSP: Media Response

This workshop is designed to provide the attendee with the basic knowledge, skills, and abilities for interaction with the news media during and after a crisis event. This is designed as a “hands-on” workshop. The attendee will be expected to participate in videotaped, mock interviews.

LEG: Legal Aspects of Pilotage

A maritime attorney provides a broad overview of the federal regulatory process that impacts pilotage. Attendees have an opportunity to enhance their understanding of the legal ramifications of the regulatory oversight process.

Additional Information

For additional information on this program, or to sign up for a class, simply visit the MITAGS website at www.mitags.org. You may also contact our Admissions department toll-free at (866) 656-5568 or via e-mail at admissions@mitags.org.



Maritime Institute of Technology & Graduate Studies (MITAGS)
Pacific Maritime Institute (PMI)

2004 Program Availability

July 12-17, 2004

| Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 |
|--|----------------------------------|---|---------------------------------------|------------------------------|--------------------|
| ROR (1 day) | ARPA (4 days) | | | | |
| ESH/BRMP (3 days) | | | ESH/BRMP (3 days) | | |
| Azipod/Kamewa Control System (3 days) | | | Tractor Tugs for Pilots (2.5 days) | | |
| AIS/PPU (1-day) | Security Awareness (1-day) | Fatigue/Sleep/ Medications (1-day) | Contingency Planning (1-day) | Media Response (1-day) | AIS/PPU (1-day) |
| | | Legal Aspects of Pilotage (evening) | | | |

August 30-September 4, 2004

| Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 |
|--|----------------------------------|---|---------------------------------------|------------------------------|--------------------|
| ROR (1 day) | ARPA (4 days) | | | | |
| ESH/BRMP (3 days) | | | ESH/BRMP (3 days) | | |
| Azipod/Kamewa Control System (3 days) | | | Tractor Tugs for Pilots (2.5 days) | | |
| AIS/PPU (1-day) | Security Awareness (1-day) | Fatigue/Sleep/ Medications (1-day) | Contingency Planning (1-day) | Media Response (1-day) | AIS/PPU (1-day) |
| | | Legal Aspects of Pilotage (evening) | | | |

November 1-6, 2004

| Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 |
|--|----------------------------------|---|---------------------------------------|------------------------------|--------------------|
| ROR (1 day) | ARPA (4 days) | | | | |
| ESH/BRMP (3 days) | | | ESH/BRMP (3 days) | | |
| Azipod/Kamewa Control System (3 days) | | | Tractor Tugs for Pilots (2.5 days) | | |
| AIS/PPU (1-day) | Security Awareness (1-day) | Fatigue/Sleep/ Medications (1-day) | Contingency Planning (1-day) | Media Response (1-day) | AIS/PPU (1-day) |
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