

APPENDIX B

WTI COURSEWARE

WTI GENERIC CORE CURRICULUM

1. THREAT BLOCK
 - a. Fixed Wing Threat To The MAGTF (S)
 - b. Rotary Wing Threat To The MAGTF (S)
 - c. Radio Electronic Combat Threat To The MAGTF (S)
 - d. Surface To Air Threat To The MAGTF (S)
 - e. Ground Threat To The MAGTF (U)
 - f. Missile And UAV Threats To The MAGTF (S)
2. PLANNING BLOCK
 - a. Marine Corps Planning Process (U)
 - b. ACE Battlestaff Planning And Briefing (U)
 - c. Intell Preparation Of The Battlefield (U)
 - d. MAGTF Targeting & Fire Support Planning (U)
3. EMPLOYMENT BLOCK
 - a. MAGTF And National ISR Employment (U)
 - b. Airborne C2W/ISR Employment (S)
 - c. Airborne Early Warning (AEW) Employment (S)
 - d. Electronic Warfare (EW) Employment (S)
 - e. Reactive SEAD (S)
 - f. TRAP Planning (U)
 - g. Information Management & Connectivity (U)
 - h. Joint Air Operations (U)
 - i. NATO And Combined Operations (U)
 - j. Aviation Ground Support (Ags) (U)
 - k. OAS FW/RW Integration (U)
 - l. Rules Of Engagement (Roe) (S)
 - m. 6 Functions Integration (U)
 - n. Instructional Techniques (U)

ASSAULT SUPPORT DEPARTMENT COMMON CURRICULUM

1. THREAT BLOCK
 - a. AAA Threat To Assault Support (S)
 - b. IR SAM Threat To Assault Support (S)
 - c. Radar SAM Threat To Assault Support (S)
 - d. Attack Helicopter Threat To Assault Support (S)
 - e. Fixed Wing Threat To Assault Support (S)
 - f. Laser Threat (S)
2. THREAT DEFENSE/ COUNTERTACTICS BLOCK
 - a. Helicopter Excess Power And Energy Maneuverability (U)
 - b. ASE For Assault Support Aircraft (S)
 - c. Evasive Maneuvers (S)
3. INTEGRATION AND SUPPORT BLOCK
 - a. EA-6B & MAGTF Operations (S)
 - b. FAC (A) & TAC (A) Employment (U)
 - c. OAS Precision Guided Munitions And Laser Designators (U)
 - d. Assault Support Escort Tactics (U)
 - e. Military Operations In Urban Terrain (MOUT) (S)
4. PLANNING, BRIEFING, AND EXECUTION BLOCK
 - a. Country X Analysis (U)
 - b. Rapid Response Planning Considerations (U)
 - c. Assault Support Mission Planning (U)
 - d. GCE Raid Planning (U)
 - e. Execution Checklist (U)
 - f. Noncombatant Evacuation Operations (NEO) (U)
 - g. Objective Area Planning (U)
5. INSTRUCTOR BLOCK
 - a. MCCRES For Rotary Wing Squadrons (U)

ASSAULT SUPPORT DEPARTMENT SPECIFIC CURRICULUM

1. AH-1W DIVISION
 - a. Rockets (U)
 - b. 20MM (U)
 - c. TOW (U)
 - d. AIM-9 SIDEWINDER (S)
 - e. AGM-114 HELLFIRE (S)
 - f. Objective Area Briefing (U)
 - g. RW Offensive Air Support (U)
 - h. Weaponeering (U)
 - i. Mission Planning Systems (U)
 - j. DACT Planning Considerations (U)
 - k. DACT (U)
 - l. SINGARS/HAVEQUICK (U)
 - m. Convoy Escort Operations (U)
 - n. Training Management (U)

2. CH-46 DIVISION
 - a. ALE-39/AAR-47 (U)
 - b. APR-39 (U)
 - c. ALQ-157 (S)
 - d. OP ORDER/ACEOI (U)
 - e. Defensive Measures (PART 1 AND 2)(U)
 - f. DM Briefing (U)
 - g. AFL Briefing (U)
 - h. NVG HUD (U)
 - i. Training Management (PARTS 1 AND 2) (U)
 - j. Threat Analysis/Planning Problem (S)
 - k. SINGARS/HAVEQUICK (U)
 - l. AIM-1 Laser (U)

3. CH-53 DIVISION
 - a. WTTP/Training Management (U)
 - b. ANVIS HUD (U)
 - c. HNVS (U)
 - d. ARC-210 (U)
 - e. GPS (U)
 - f. Threat Analysis And Countertactics (S)
 - g. ASE (S)
 - h. Dissecting The Warning Order/Mission Analysis (U)
 - i. The Air Mission Commander's Brief (U)
 - j. The Assault Flight Leader's Brief (U)
 - k. Mission/Objective Area Planning (U)
 - l. Ps/E-M: Big Iron Maneuverability (U)
 - m. Heavy Lift Operations (U)
 - n. Call For Fire (U)
 - o. Artillery Trends (U)

- p. FAC (A) BASICS (U)
 - q. AIM-1 LASER & XM-218 Overview (U)
 - r. Defensive Measures (U)
 - s. DM Gameplan (U)
 - t. SAC/ARTY Raid Planning (U)
4. UH-1N DIVISION
- a. Rockets (U)
 - b. GAU 16 /17 / M-240E (U)
 - c. CDNU Operations & HAVEQUICK/SINGGARS Theory Operation (U)
 - d. Section Tactics (U)
 - e. Objective Area Planning And Briefing (U)
 - f. Air-To-Air Considerations (U)
 - g. DM Training (U)
 - h. FLIR Employment (U)
 - i. FLIR Practical Application (U)
 - j. FAC (A) TTPs (U)
 - k. Training Management Philosophy (U)
 - l. Training Management (U)
 - m. Reconnaissance TTPs (U)

TACAIR DEPARTMENT COMMON CURRICULUM

1. THREAT BLOCK
 - a. NON-RADAR SAMS/AAA (S)
 - b. RF SAMS (S)
 - c. Threat Counter Tactics (S)
 - d. Air Defense Weapons Systems Management (S)
2. PLANNING BLOCK
 - a. Strike Planning (S)
 - b. JMENS (S)
 - c. Assault Support Escort Tactics (U)
 - d. OAS PGM'S (S)
 - e. Urban CAS (S)
 - f. OAS Chalk Talk (S)
 - g. LGB 1 (S)
 - h. LGB 2 (2)

TACAIR DEPARTMENT SPECIFIC CURRICULUM

1. AV-8B DIVISION
 - a. Threat Countertactics (S)
 - b. Target Area Planning (S)
 - c. ARC-210 (U)
 - d. PFPS (U)
 - e. TOP SCENE Orientation (S)
 - f. LITENING II Employment (S)
 - g. EOTDA (U)
 - h. Threat Aircraft (S)
 - i. Radar Theory (S)
 - j. AIM-9 (S)
 - k. APG-65 (S)
2. EB-6B DIVISION
 - a. Threat Countertactics (S)
 - b. Theater Missile Defense (S)
 - c. Environmental Effects On Electromagnetic Energy-E4 (S)
 - d. JDAM / JSOW (S)
 - e. TAC (A) / FAC (A) EMPLOYMENT (U)
 - f. Intercept Control (S)
 - g. Training Management (U)
3. FA-18 DIVISION
 - a. Threat Countertactics (S)
 - b. Target Attack Lab (C)
 - c. ATACS (S)
 - d. PFPS (U)
 - e. TOP SCENE Orientation (S)
 - f. NITEHAWK Employment (S)
 - g. FUZING (S)
 - h. Cluster Munitions (S)
 - i. EW Suite (S)
4. KC-130 DIVISION
 - a. MMT Operations (U)
 - b. MCRESS (U)
 - c. WTTP (U)
 - d. Mission Briefing (U)
 - e. KC-130 Performance And Stress Limitations (U)
 - f. KC-130 Battlefield Illumination I (U)
 - g. KC-130 Loadmaster (U)
 - h. KC-130 Battle Damage And Repair (U)
 - i. KC-130 LAT 1
 - j. KC-130 LAT 2
 - k. KC-130 LAT Maneuvering (U)
 - l. KC-130 Heavy Equipment (U)

- m. KC-130 RGR (U)
- n. KC-130 Laser Threat (S)
- o. KC-130 Self Contained Approach (U)
- p. TOP SCENE Orientation (S)
- q. KC-130 Defensive Tactics (S)
- r. MACG ISO THE MEU (SOC) (U)

C3 DEPARTMENT COMMON CURRICULUM

1. DIVISION BLOCK
 - a. MAGTF Ground Based Air Defense Systems (GBAD) (S)
 - b. Tactical Air Command Center (U)
 - c. Marine Wing Communications Squadron (U)
 - d. Marine Air Traffic Control (U)
 - e. UAV Overview (U)
 - f. Direct Air Support Center (DASC) (U)
 - g. Tactical Air Operations Center (U)
2. PLANNING BLOCK
 - a. Air Defense Weapons Systems Management (U)
 - b. Theater Missile Defense (TMD) (S)
 - c. Deep Air Operations Coordination (U)
 - d. Mission Analysis (U)
 - e. JDAM / JSOW (S)
 - f. Electronic Targeting And Attack (S)
 - g. Weaponeering (U)
 - h. Frequency Propagation (U)
 - i. Passive Air Defense Within The MACCS (U)
 - j. Base Defense Zone (U)
 - k. Regional Air Defense Commander-RADC (U)
 - l. Phasing Control Ashore (U)
 - m. Theater Air Ground System (TAGS) (U)
 - n. Marine Aviation Planning Problem (S)
 - o. ATO 98 & SPINS Format (U)
3. EMPLOYMENT BLOCK
 - a. ATARS Employment (S)
 - b. EA-6B & MAGTF Operations (U)
 - c. TAC (A)/FAC (A) Employment (U)
 - d. Introduction To Personnel Recovery (S)
 - e. National Data System/Integrated Broadcast Service (S)
 - f. MACCS EP Capabilities (S)
 - g. Allied SAM's (U)
4. INSTRUCTION BLOCK
 - a. WTI Briefing Techniques (U)
 - b. Weapons And Tactics Training Program (WTTP) (U)
5. CHALK TALK BLOCK
 - a. Blackhawk Shootdown (U)

C3 DEPARTMENT SPECIFIC CURRICULUM

1. ATC DIVISION
 - a. Environmental Effects On Electromagnetic Energy-E4 (S)
 - b. Multi TADIL Network (U)
 - c. MATCALs Datalinks (U)
 - d. MATCALs Software Version M (U)
 - e. Flight Inspections (U)
 - f. Mode II (U)
 - g. Joint Air Traffic Control (U)
 - h. ICAO (U)
 - i. Base Defense Zone Planning (U)
2. AC2W DIVISION
 - a. Maritime Air Warfare Chalk Talk (S)
 - b. Deep Air Operations Coordination (U)
 - c. Joint Search And Rescue Center (U)
 - d. Night Vision Device Type Update (U)
 - e. Marine Air Traffic Control (U)
3. COMM DIVISION
 - a. ACEOI (U)
 - b. Frequency Management (U)
 - c. Anti-Air Warfare Communications (U)
 - d. Assault Support Communications (U)
 - e. Offensive Air Support Communications (U)
 - f. Marine Wing Support Squadron Communications (U)
 - g. Multi-Channel Communications ISO DASC (U)
 - h. Data Communications ISO DASC (U)
 - i. MACCS Communications (U)
 - j. SINGARS (U)
4. DASC DIVISION
 - a. GPS Theory / Jamming (S)
 - b. Country-X Analysis (S)
 - c. Rapid Response Planning (U)
 - d. Combat Development Systems (U)
 - e. DASC/FSCC Interface (U)
 - f. ATRIMS (U)
 - g. DASC T&R (U)
5. GBAD DIVISION
 - a. GBDL/RTU (U)
 - b. GBAD Five-Paragraph Order (U)
 - c. Ground Based Data Link Part I
 - d. Ground Based Data Link Part II(U)
 - e. AN/UPS-3 Tactical Defense Alert Radar-TDAR (U)
 - f. LAAD Employment (U)
 - g. GPS Overview (U)

- h. Enhanced Precision Lightweight GPS Receiver (EPLGR) (U)
- 6. MMT DIVISION
 - a. Marine Air Traffic Control Mobile Team (MMT)
- 7. TACC DIVISION (No specific courseware)
- 8. TAOC DIVISION
 - a. AN/TPS-59 (V) 3 Radar Employment (S)
 - b. OPTASKLINK (C)
 - c. Tanker Management (U)
 - d. ATC/TAOC Integration (U)
 - e. SADC OPS (U)
 - f. Deception (S)
 - g. ID/Threat Matrix (U)
 - h. AN/TYQ-23 (V) 4 (U)
- 9. UAV DIVISION (No specific courseware)

AVIATION GROUND SUPPORT DEPARTMENT CURRICULUM

1. AVIATION GROUND SUPPORT
 - a. Air Base Ground Defense (U)
 - b. Forward Arming And Refueling Point Operations (U)
 - c. Marine Corps Tactical Fuel Systems
 - d. Methods Of Crater And SPALL Repair (U)
 - e. Minimum Operating Strip (MOS) Selection And Layout (U)
 - f. Rapid Runway Repair Planning Considerations (U)
 - g. Base Recovery After Attack (BRAAT) (U)
 - h. Airfield Design And Terminology (U)
 - i. Unexploded Ordnance (U)
 - j. EAF Equipment Systems Block (U)
 - k. AM-2 Matting (U)
 - l. M-21 Arresting Gear (U)
 - m. Aircraft Rescue And Firefighting (ARFF) Employment (U)
 - n. Basic Soils And Airfield Construction (U)
 - o. Damage Assessment Team (U)
 - p. Air Base Master Plan (U)
 - q. Fiberglass Reinforced Polyester (FRP) Panels (U)
 - r. Maritime Prepositioning Force (MPF) Overview (U)
 - s. Tactical Landing Zones (TLZ) (U)
 - t. Survey, Liaison And Reconnaissance Party (SLRP) (U)
2. WEATHER
 - a. Environmental Effects Of Electromagnetic Energy (S)
 - b. Electro-Optical Tactical Decision Aids (U)
 - c. Weather Support To MAGTF Operations (U)

INTELLIGENCE DEPARTMENT CURRICULUM

1. Fighter Tactics (S)
2. GPS Theory/Jamming (S)
3. Basic Radar Principles (U)
4. NITE Lab (U)
5. USMC Fixed Wing/Rotary Aircraft (U)
6. Intelligence Preparation Of The Battlespace (U)
7. IPB Practical Application (U)
8. Targeting (U)
9. National Signals Intelligence (U)
10. National Imagery Intelligence (U)
11. Intelligence Message Formats (U)
12. U-2 Platform (U)
13. Measurement And Signature Intelligence (MASINT) (U)
14. National Imagery Mapping Agency (NIMA) Geo-Spatial Course (U)

GROUND COMBAT DEPARTMENT CURRICULUM

1. AKAC/ATO/ACEOI (U)
2. Artillery Organization And Trends (U)
3. Call For Fire (U)
4. GCD Briefing Techniques (U)
5. GEC Raid Planning (U)
6. Helicopter Assault Operations Planning Considerations (U)
7. NSFS (U)
8. 9-Line (U)