

55 HOUR SYLLABUS

ROTARY WING

TACTICAL FLIGHT TRAINING

5-480-55

69-480-55



JANUARY 1968

UNITED STATES ARMY AVIATION SCHOOL

FORT RUCKER, ALABAMA/FORT STEWART, GEORGIA

SYLLABUS OF INSTRUCTION

FOR

PHASE III OFFICER/WARRANT OFFICER ROTARY WING AVIATOR COURSE

PHASE IV WARRANT OFFICER CANDIDATE ROTARY WING AVIATOR COURSE

SEVEN DAY FIELD EXERCISE

5-480-55

69-480-55

This syllabus of instruction supersedes all previous syllabi for ORWAC/WORWAC classes.

1. PERFORMANCE OBJECTIVES:

a. KNOWLEDGES: None

b. SKILLS:

(1) With the aid of necessary written material, maps and flight planning equipment the student, when given an operations order will be able to understand the commander's concept and operations order and then plan his mission as a unit aviator.

(2) In accordance with TM 1-260, Battalion SOP, Tactical Flight Maneuver Manual, SOI, and all appropriate field manuals the student aviator will be able to perform the basic skills of a UH-1 aviator in an operational unit to include training in navigation, formation flight, resupply, night operations and other operational type missions normally conducted by units in a combat zone. The student will be trained to such a degree of proficiency and professionalism that only a local orientation by the gaining unit will be necessary.

2. LOCATION: Fort Rucker, Alabama.

3. DURATION: Seven days.

OBJECTIVE FLIGHT HOUR CHART

OFFICER/WARRANT OFFICER ROTARY WING COURSE

SEVEN DAY EXERCISE

D	D+1	D+2	DAY D+3	D+4	D+5	D+6	Type Flying	Total
01:00	01:00	01:00	00:30	0	Test 01:15	0	Dual Day	04:45
0	0	0	0	00:30	0	0	Dual Night	00:30
0	01:00 $\frac{1}{2}$ CLASS EA DAY	01:15 $\frac{1}{2}$ CLASS EA DAY		0	01:15		Solo Day	04:30
01:15 $\frac{1}{2}$ CLASS EA NITE			0	0	0		Solo Night	01:15
1ST WEEK			2ND WEEK					

RECAPITULATION:

	DUAL	SOLO	TOTAL
Day Flight	04:45	04:30	09:15
Night Flight	00:30	01:15	01:45
	05:15	05:45	11:00

RECAPITULATION OF GROUND TRAINING TIME

FEX Orientation and Briefing	02:00
Aircraft Assignments, Administrative Briefing	02:00
Alert	01:00
Briefing for Operation Missions	05:45
Planning for Operation Missions	05:45
Platoon Briefing for Operation Missions	03:00
Debriefing upon Mission Completion	05:30
Establishment and Breakdown of Bivouac Area	02:00
Organized Athletics	04:00
Commanders Time	02:00
Critique	01:00
Concurrent Training	10:00
TOTAL	44:00

- a. Aircraft and Aircrew Armor
- b. Navigation and Radio Communications Procedures
- c. Loading and Lashing of Aircraft
- d. Training Films
- e. Prevention of Accidental Injuries and Fatalities Involving Small Arms
- f. Aeromedical Evacuation and Emergency First Aid
- g. Defense Against Ground and Air Attack
- h. Aircraft Refueling Expedients, Ground Handling
- i. Terrain Evaluation
- j. Review of Company Airmobile Operations

RECAPITULATION OF FLIGHT TIME

Dual Time	05:15
Solo Time	05:45
TOTAL	11:00

SEVEN DAY FIELD ESERCISE TOTAL 55:00

SCHEDULE OF EVENTS	D - 1	Ground Time	Flight Time		
			Dual	Solo	Total
Field Exercise Orientation & Briefing		02:00			
(Student Homework Assignment)					
NOTE: Students will have in their possession the following:					
a. Student Handout, 5/69-595-2					
with ANNEXES.					
b. Battalion SOP.					
c. SOI.					

SCHEDULE OF EVENTS	D Day	Ground Time	Flight Time		
			Dual	Solo	Total
Aircraft Assignments and Briefing, Movement Order to TAC X		00:30			
Concurrent Training - Defense Against Ground and Air Attack		01:00			
Establishment of Bivouac Area		00:30			
Concurrent Training - Navigation and Radio Communications Procedures		01:00			
Operation Mission Briefing (Op Order 10-series)		00:30			
Operation Mission Planning (Op Order 10-series)		00:30			
Platoon Briefing (Op Order 10-series)		00:30			
Mission Flight (Op Order 10-series)			01:00		01:00
a. Formation take-off					
b. High level formation					
c. Low level formation.					
d. Formation landings.					
e. Armed escort to include:					
(1) Armed tactical reconnaissance					
(2) Change in formation					
(3) Use of Force Trim					
(4) Ground directed strikes					
f. External loads					
g. Internal loads					
h. Tactical ADF approach with GCA vector					
Mission Debriefing		00:30			

SCHEDULE OF EVENTS	D+1	Ground Time	Flight Time		
			Dual	Solo	Total
Organized Athletics		02:00			
Concurrent Training - Terrain Elevation		01:00			
Concurrent Training - Training Film		01:00			
Operation Mission Briefing (Op Order 20-series)		00:30			
Operation Mission Planning (Op Order 20-series)		00:30			
Platoon Briefing (Op Order 20-series)		00:30			
Mission Flight (Op Order 20-series)			01:00		02:00
a. Formation take-off					
b. High level formations					
c. Low level formations					
d. Formation landings.					
e. Armed escort to include:					
(1) Armed tactical reconnaissance					
(2) Change in formation					
(3) Use of force trim					
(4) Ground directed strikes					
f. External loads.					
g. Internal loads.					
h. Tactical ADF approach with GCA vector.					
Mission Debriefing		00:30			
Operation Mission Briefing (Op Order 40-series)		00:30			

SCHEDULE OF EVENTS	D+1	Ground Time	Flight Time		
			Dual	Solo	Total
Operation Mission Planning (Op Order 40-series)		00:30			
Mission Flight (Op Order 40-series)				01:00	03:00
a. Formation takeoff					
b. Formation approach					
c. High level formation					
d. Low level formation					
e. Formation approach to confined area (2 acft)					
f. Personnel extraction					
g. Rendezvous and join up					
Mission Debriefing		00:30			

SCHEDULE OF EVENTS	D+2 Ground Time	Flight Time		
		Dual	Solo	Total
Concurrent Training - Review of Company Airmobile Operations	01:00			
Operation Mission Briefing (Op Order 50-series)	00:30			
Operation Mission Planning (Op Order 50-series)	00:30			
Platoon Briefing (Op Order 50-series)	00:30			
Mission Flight (Op Order 50-series)		01:00		04:00
a. Formation take-off				
b. High level formation				
c. Low level formation				
d. Formation landings				
e. Armed escort to include:				
(1) Armed tactical reconnaissance				
(2) Change in formation				
(3) Use of force trim				
(4) Ground directed strikes				
f. External loads.				
g. Internal loads				
h. Tactical ADF approach with GCA vector				
Mission Debriefing	00:30			
Operation Mission Briefing - Night (Op Order 30-series)	00:30			

SCHEDULE OF EVENTS	D+2	Ground Time	Flight Time		
			Dual	Solo	Total
Operation Mission Planning-Night (Op Order 30-series)		00:30			
Mission Flight (Op Order 30-series)				01:15 (N)	05:15
a. Employment of high and low level navigation techniques					
b. FM homing					
c. Patrol drop and personnel pickup utilizing field expedient lighting devices.					
d. Night tactical reconnaissance					
e. Tactical approach using a glide scope.					
Mission Debriefing		00:30			
Breakdown of Bivouac Area		00:30			
Aircraft Assignment and Briefing (Movement Order) to Lowe		00:30			

SCHEDULE OF EVENTS	D+3	Ground Time	Flight Time		
			Dual	Solo	Total
Concurrent Training - Training Film		01:00			
Organized Athletics		02:00			
Aircraft Assignments and Briefing, Movement Order to TAC X		00:30			
Establishment of Bivouac Area		00:30			
Concurrent Training - "Aircraft and Air Crew Armor"		01:00			
Operation Mission Briefing (Op Order 60-series)		00:30			
Company Alert			00:30		05:45
a. Low level flight to LZ					
b. Selection of LZ by armed platoon					
c. Vector by C & C					
d. Airmobile landing with armed escort					
e. High altitude formation flight to Staging Area.					
Eagle Flights -3 provisional platoons with armed escort to include:					
a. High altitude en route.					
b. LZ reconnaissance by fire team					
c. Provisional platoon formation landing with fire team escort					
Mission Debriefing		00:30			

SCHEDULE OF EVENTS	D+3	Ground Time	Flight Time		
			Dual	Solo	Total
Pretest Mission Briefing (Op Order 70-series)		00:30			
Pretest Mission Planning (Op Order 70-series)		00:30			
Pretest Mission Flight (Op Order 70-series)				01:00	06:45
a. Route and LZ reconnaissance					
b. Low and high level navigation					
c. Change of mission					
d. Use of FM homing					
e. Circling approach and med-evac pickup					
f. Low level approach					
g. Identifying and reporting					
h. Use of tactical radios					
Mission Debriefing		00:30			

SCHEDULE OF EVENTS	D+4	Ground Time	Flight Time		
			Dual	Solo	Total
Concurrent Training - Loading & Lashing		01:00			
Operation Mission Briefing (Op Order 80-series)		00:30			
Operation Mission Planning (Op Order 80-series)		00:45			
Platoon Briefing (Op Order 80-series)		00:30			
Mission Flight (Op Order 80-series)				01:15	08:00
a. Formation take-offs and landings					
b. High and low level formation flights					
c. Change of formations					
d. Airmobile landing from high and low level					
e. Armed escort					
Mission Debriefing		00:30			
Operation Mission Briefing-Night (Op Order 90-series)		00:30			
Operation Mission Planning (Op Order 90-series)		00:30			
Platoon Briefing (Op Order 90-series)		00:30			
Mission Flight-Night (Op Order 90-series)			00:30 (N)		08:30
a. Formation take-off					
b. Armed reconnaissance of landing zone					

SCHEDULE OF EVENTS	D+4	Ground Time	Flight Time		
			Dual	Solo	Total
c. High altitude en route formation					
d. Platoon landing to field expedient lighting					
e. Vector to ACP and subsequent landing zone					
f. Escort by Armed Aircraft					
Mission Debriefing		00:30			

SCHEDULE OF EVENTS	D+5	Ground Time	Flight Time		
			Dual	Solo	Total
Test Mission Briefing (Op Order 100-series)		00:45			
Test Mission Planning (Op Order 100-series)		00:30			
Test Mission Flight (Op Order 100-series)			01:15		09:45
a. Test is designed to cause the student to utilize the knowledge and ability gained during all previous periods of instruction.					
b. Student is graded both on flight and navigation techniques.					
Mission Debriefing		00:30			
Concurrent Training - Aeromedical Evacuation		01:00			
Concurrent Training - Refueling Expedients and Ground Handling		01:00			
<u>Alert</u>		01:00			
Critique		01:00			

SCHEDULE OF EVENTS	D+6	Ground Time	Flight Time		
			Dual	Solo	Total
Breakdown of Bivouac Area		00:30			
Operation Mission Briefing (Op Order 110-series)		00:30			
Operation Mission Planning (Op Order 110-series)		01:00			
Platoon Briefing (Op Order 110-series)		00:30			
Mission Flight - Combat Operation (Op Order 110-series)				01:15	11:00
a. This mission is designed to climax all previous instruction given on the 7-day field exercise.					
b. Students will plan and execute a company size airmobile operation with minimum supervision.					
Mission Debriefing		00:30			
Commander's Time		02:00			
Aircraft Assignments and Briefing (Movement Order) to Lowe		00:30			
TOTAL FLIGHT TIME					11:00

INTEGRATED TRAINING: Use of tactical maps; air traffic control; communications procedures and security measures; use of SOP; Use of SOI; use of pathfinders in terminal guidance; training unit organization; helicopter courtesy; emergency exit.

