

University of Management and Technology

Course Outline

Course code: PT 123

Course title: Radio Telephony

Program	BS Aviation Professional Pilot
Credit Hours	3-1
Duration	01 Semester
Prerequisites	Nil
Resource Person	TBD
Counseling Timing (Room#)	TBD
Contact	TBD

Chairman/Director signature.....

Dean's signature.....

Date.....

Course Learning Outcomes: (CLOs)

S No	CLO Statement	Learning Domain and level
1	Apply correct VFR and IFR communication procedures, including RT phraseology, call signs, transfer of communication, and readability scale.	C1
2.	Demonstrate effective use of communication protocols in normal, abnormal, and emergency situations, including communication failure, distress, and urgency procedures.	C2
3.	Interpret and utilize aeronautical communication systems and weather information sources (VHF propagation, ATIS, VOLMET, Morse code, radar phraseology to support safe and efficient flight operations.	C3

CLO – PLO Mapping:

<u>CLOs</u>	<u>PLO 1</u> Aeronautical Knowledge	<u>PLO 2</u> Flight Proficiency	<u>PLO 3</u> Regulatory Awareness	<u>PLO 4</u> Safety & Risk Management	<u>PLO 5</u> Communication Skills	<u>PLO 6</u> Ethical Responsibility	<u>PLO 7</u> Technological Adaptability	<u>PLO 8</u> Teamwork & Leadership	<u>PLO 9</u> Critical Thinking & Problem Solving	<u>PLO 10</u> Lifelong Learning
1	★		★		★					
2	★			★						
3	★									

Learning Methodology:

1. Learning methodology will include interactive class sessions followed by Power Point Slides containing Flight videos.
2. Students would be regularly evaluated through quizzes to keep them in pace with the course flow.

Grade Evaluation Criteria

Following is the criteria for the distribution of marks to evaluate final grade in a semester.

Marks Evaluation	Marks in percentage	Details
Quizzes (x 4)	15%	QUIZ 1: CLO 1
		QUIZ 2: CLO 1
		QUIZ 3: CLO 2
		QUIZ 4: CLO 3
Assignments (x3)	10%	Assignment 1: CLO 1
		Assignment 2: CLO 2
		Assignment 3: CLO 3
Mid Term Examination		35%
End Term Examination		40%
Total		100%

Recommended Text Books:

EASA textbook for the Communication. Soft copies will be provided

Reference Books:

EASA Oxford

Course Curriculum Reference:

Please Visit Pakistan Civil Aviation Authority (PCAA), Learning Objectives (LOs) for Personnel Licenses – ATPL, MPL, CPL (Aero plane And Helicopter).

Calendar of Course contents to be covered during semester

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Week	Course Contents	Reference Chapter(s) as per PCAA Learning Objectives	<u>Course Learning Objective (CLO)</u>
1.	VFR COMMUNICATIONS	091 00 00 00	CLO1
2.	GENERAL OPERATING PROCEDURES	091 02 00 00	

3.	RELEVANTWEATHER INFORMATION TERMS (VFR)	091 03 00 00	CLO1
4.	ACTION REQUIRED TO BE TAKEN IN CASE OF COMMUNICATION FAILURE	091 04 00 00	CLO1
5.	DISTRESS AND URGENCY PROCEDURES	091 05 00 00	
6.	VHF PROPAGATION AND ALLOCATION OF FREQUENCIES , QUIZ 1	091 06 00 00	
7.	IFR COMMUNICATIONS, Test procedures including readability scale , Assignment 1	092 00 00 00 091 02 09 00	
8.	RT call signs for aircraft including use of abbreviated call signs, Transfer of communication QUIZ 2	091 02 07 00, 091 02 08 00	
9.	GENERAL OPERATING PROCEDURES / MID TERM	092 02 00 00	CLO2
10.	ACTION REQUIRED TO BE TAKEN IN CASE OF COMMUNICATION FAILURE	092 03 00 00	
11.	DISTRESS AND URGENCY PROCEDURES QUIZ 3 , Assignment 2	092 04 00 00	
12.	RELEVANT WEATHER INFORMATION TERM	092 05 00 00	
13.	VHF PROPAGATION AND ALLOCATION OF FREQUENCIES	092 06 00 00	
14.	MORSE CODE Aerodrome weather	092 07 00 00, 092 05 01 00	
15.	Radar procedural phraseology	092 02 11 00	
16.	Weather broadcast, 'ATIS', Assignment 3, 'VOLMET' QUIZ 4	092 05 02 00	CLO3

17.	FINAL TERM	CLO1 , CLO 2 , CLO 3
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Class Policy

STUDENTS ARE REQUIRED TO READ AND UNDERSTAND ALL ITEMS OUTLINED IN THE PARTICIPANT HANDBOOK

CLASS ATTENDANCE: Students need to be in class at the assigned time. After 10 minutes past the assigned time, the students will be marked absent.

TURN OFF MOBILE PHONE! It is unprofessional to be texting or otherwise.

READ EMAILS! Participants should regularly check their university emails accounts regularly and respond accordingly. Students would be responsible if they miss a deadline because of not reading the emails.

CLASS ATTENDANCE POLICY: A minimum of 75% attendance is required for a participant to be eligible to sit in the final examination. Being sick and going to weddings is absence and will not be counted as present. Participants with less than 75% of attendance in a course will not be allowed to take end term exams. International students who will be leaving for visa during semester should not use any days off except for visa trip to avoid reaching short attendance.

MOODLE: UMT –LMS (Moodle) is an Open Source Course Management System (CMS), also known as a learning Management System (LMS). Participants should regularly visit the course website on MOODLE Course Management system, and fully benefit from its capabilities. In case of any problem while using MOODLE, visit <https://lms.umt.edu.pk/login/index.php>.

HARASSMENT POLICY: Sexual or any other harassment is prohibited and is constituted as punishable offence. Sexual or any other harassment of any participant will not be tolerated. All actions categorized as sexual or any other harassment when done physically or verbally would also be considered as sexual harassment when done using electronic media such as computers, mobiles, internet, emails etc.

USE OF UNFAIR MEANS/ HONESTY POLICY: Any participant found using unfair means or assisting another participant during a class test/quiz, assignments or examination would be liable to disciplinary action.

PLAGIARISM POLICY: All students are required to attach a “Turnitin” report on every assignment, big or small. Any student who attempts to bypass “Turnitin” will receive “F” grade which will count towards the CGPA. The participants submit the plagiarism report to the resource person with every assignment, report, project, thesis etc. If student attempts to cheat Turnitin, a second

“F” will be awarded that will count towards the CGPA. There are special rules on plagiarism for final reports etc. all outlined in your handbook

COURSE WITHDRAWAL POLICY: Students may withdraw from a course till the end of the 12th week of the semester. Consequently, grade ‘W’ will be awarded to the student which shall have no impact on the calculation of the GPA of the student. A Student withdrawing after the 12th week shall be automatically awarded “F” grade which shall count in the GPA.

COMMUNICATION OF RESULTS: The results of quizzes and assignments are communicated to the participants during the semester and answer books are returned. It is the responsibility of the course instructor to keep the participants informed about his/her progress during the semester. The course instructor will inform a participant at least one week before the final examination related to his or her performance in the course.

Date.....