

**University of Management and Technology**

**Course Outline**

Course code: PT 123L

Course title: Radio Telephony LAB

Program	BS Aviation Professional Pilot
Credit Hours	0-1
Duration	01 Semester
Prerequisites	PT-123
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	Demonstrate proficiency in Radio Telephony (RT) rules and techniques by accurately performing standard communication procedures, including taxi, take-off, circuit, approach, landing, training area, and navigation calls in compliance with aviation standards.	C1
2.	Apply knowledge of aircraft systems and instrumentation (Cessna 172 walkaround procedures, basic navigation instruments and radios.	C2
3.	Interpret standard arrival and departure procedures and instrument approach let down procedures using appropriate communication and navigational techniques to ensure operational efficiency	C3

## CLO – PLO Mapping:

CLOs	<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 3)	15%	QUIZ 1: CLO 1
		QUIZ 2: CLO 2
		QUIZ 3: CLO 3
Assignments (x3)	20%	Assignment 1: CLO 1
		Assignment 2: CLO 2
		Assignment 3: CLO 3
Mid Term Examination		30%
End Term Examination		35%
Total		100%

### Recommended Text Books:

EASA textbook for the Communication. Soft copies will be provided

### Reference Book and Software

EASA Oxford, Microsoft Flight Simulator, Jeppesen's Manual

### Calendar of Course contents to be covered during semester

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Week	Course Contents	<u>Course Learning Objective (CLO)</u>
1.	RT Rules	CLO1
2.	RT Technique	
3.	Before Startup- Taxi Clearance, Approach Clearance, QUIZ 1	

4.	Take OFF, Circuit calls	CLO 1
5.	Landing calls, Assignment 1	
6.	Training Area calls, Navigation Calls	
7.	MSFX AIRCRAFT Cessna 172 installations and Demo	CLO 2
8.	Basic Flight Instruments	
9.	Aircraft Walkaround Procedure, Mid TERM	
10.	Navigation Instruments, QUIZ 2	
11.	Radios and Frequency, Auto Pilot	
12.	VOR Instrument	
13.	ILS Instruments, Assignment 2	
14.	VOR Let Down Procedure	CLO 3
15.	ILS Let down Procedure, QUIZ 3, Assignment 3	
16.	SID, STAR	
17.	Final Exam	CLO 1 , CLO 2 , CLO 3

## 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.....