UNIVERSITY OF MUMBAI

No.UG/123 of 2015-16 MUMBAI- 400 032 30th November, 2015

The Senior Manager,
Federation of Indian Pilots,
Institute of Aviation and Aviation Safety (I.A.A.S.)
Air India Complex,
Old Air Port, Kalina,
Santacruz (East),
MUMBAI- 400 029.

Sir,

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#1

I am to invite your attention to the Syllabi relating to the Diploma in Aviation Safety and Hospitality, vide this office Circular No. UG/66 of 2013-14, dated 11th October, 2013 and the Principals of affiliated Colleges in Science and the Head of the recognized Science Institutions concerned are hereby informed that the recommendation made by the Faculty Science at its meeting held on 11th August, 2015 has been accepted by the Academic Council at its meeting held on 31th August, 2015 vide item No.4.15 and that in accordance therewith, the revised syllabus as per Credit Based Semester and Grading System in the course of Diploma in Aviation Safety and Hospitality, which is available on the University's web site (www.mu.ac.in) and that the same has been brought into force with effect from the academic year 2015-16.

Diploma in Aviation Safety and Hospitality into force with effect from the academic year 2015-16.

REGISTRAR

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with effect

A.C/4.15/31/08/2015

No. UG/123-A of 2015

MUMBAI-400 032

30th November, 2015

Copy forwarded with compliments for information to :-

1) The Dean, Faculty of Science.

2) The Chairman, Ad-hoc Board of Studies in Aviation.

3) All the Principals /Directors of Colleges institutes of Aviation.

4) The Professor-cum-Director, Institute of Distance and Open Learning (IDOL)

5) The Director, Board of Colleges and University Development,

6) The Co-Ordinator, University Computerization Centre,

7) The Controller of Examinations.

Offg. Deputy Registrar Under Graduate Studies

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AC 31/08/2015 Item No. 4.15

INFRASTRUCTURE

The state of the s	
Front / Reception Area	1
Class Rooms (A/C)	1
Rooms for Practicing Application of First Aid to the passengers	3
Live Aircraft	1
Computer Lab 10 Computers with Internet facility	1
Grooming Rooms	1
Aircraft Chairs	1
Computers, Printers, Scanners & Laptops for Audio Visual	10
Presentations Captops for Audio Visual	3
Emergency Equipment like Fire Extinguishers, Life Jackets,	-
xygen Cylinders, Live Aircraft as required	(
Jummy for CPR (Cardio Pulmonary Re-Sustentation) as required	
irst Aid Kits for Teaching First Aid	6

SEM	COURSE	TITLE .
1	USDAV101	INTRODUCTION TO THE AVIATION INDUSTRY & AVIATION HOSPITALITY AND GOVERNMENT REGULATORY AGENCIES
	USDAV102	PROFESSIONAL COMMUNICATION SKILLS
	USDAV103	AVIATION TERMS & TIME ZONES, AIRCRAFT FAMILIARISATION AND ROLES & RESPONSIBILITIES OF AIRLINE STAFF.
	USDAV104	INFLIGHT SERVICE PROCEDURES, LIFESTYLE CHANGESAND ANINTRODUCTION TO CHEESE AND DANGEROUS GOODS
	USDAVP1	Practical 1.1
	USDAV201	CREW RESOURCE MANAGEMENT (CRM)
11	USDAV202	EMERGENCY PROCEDURES IN EVACUATION AND DITCHING
	USDAV203	FIRE SAFETY AND AVIATION SECURITY PROCEDURES
	USDAV204	ADAPTATIONS & HEALTHY LIVING, AN INTRODUCTION TO WINES AND BEVERAGES AND MEDICAL EMERGENCIES & FIRST AID
	USDAVP2	Practical 1.2

Semester	Course	Theory		Practical	Total	C 11
	111160	Internal	Sem End (2 Hours Duration)	Internal Marks	TOTAL	Credit
1	USDAV101	40	60		100	2
	USDAV102	40	60		100	2
	USDAV103	40	60		100	
	USDAV104	40	60	DTIE	100	2
	USDAVP1		-	- 70		2
п	USDAV201	40	60	50	100	2
	USDAV202	40	60		100	2
	USDAV203	40	60		100	2
	USDAV204	40	60		100	
	SDAVP2		-	50		2
otal				100	900	20

j	Internal E
1	Active Part
1	Overall Co
1	One Test
1	One Projec
L	Assignmen
L	Total

uation	Marks
oation	05
ict	05
	10
ase Study/	20
	40

Semester

Question
Q1
Q2
Q3
Q4

Unit	Marks	Pattern for each course: Maximum Marks with option
1	15	20
II	15	20
111	15	20
I, II, III	15	20

Practical Evaluation Specify

Practical examination
Practical examination shall be conducted at the end of
Semester I and Semester II.

P., 8623 passing standard

- a) Learner shall be awarded Diploma if he/she obtains any one of the grade 'O', 'A', 'B', 'C', 'D', 'E' in each of the course of Semester I and II
- b) Learner shall be admitted to second semester of the program irrespective of the grades secured in any of the course of the first semester
- c) Learner shall be allowed to appear for additional examination in theory in the courses where he/she has secured grade 'F'
- d) Additional examination will be conducted within one month after declaration of the result of semester II

SEMESTER I		
COURSE - I	1141	
USDAVI01 - INTRODUCTION TO THE AVIATION INDUSTRY, AVIATION HOSPITALITY AND GOVERNMENT REGULATORY AGENCIES	LECTURE HOURS	PRACTICAL HOURS
UNIT IA-		
INTRODUCTION TO THE AVIATION INDUSTRY 1. Civil aviation in India 2. Infrastructure and related facilities	20	10
3. Scheduled airlines 4. Airline alliance 5. Airlines in India	7	
Full service parriers		
Low cost carriers Corporate jets and charters		
NIT IB -	1	
VIATION HOSPITALITY Introduction to civil syleting hands to		
History, origin and milestones of the		
A typical working day in the U.C. or		~
Benefits and challenges of the profession		
PSONU PROPERTY		
RSONAL DEVELOPMENT AND GROOMING Qualification, Physical requirements and Medical fitness Grooming and Etiquette	15	
Hands and Feet	10	
Makeup Jewellery and other accessories	0 00	
Perfumes and Scents Dress code and attire	1	
T III - (Shifted from Course III - Unit I)		
VERNMENT REGULATORY AGENCIES Role of Government Regulatory Agencies	15	
Civil Aviation Requirements (CAR)		
nternational Transport Association (ICAO)		
ravel documents for International Travel Customs and Immigration		

COURSE - II USDAV102 -PROFESSIONAL COMMUNICATION SKILLS	LECTURE HOURS	PRACTICAL HOURS
UNIT I – ENGLISH LANGUAGE (LISTENING & SPEAKING) Communication Skills: All communication required for plain English language speaking skills, namely, listening and speaking	- 15	10
UNIT II — ENGLISH LANGUAGE (READING & WRITING) All communication required for plain English language speaking skills viz Reading and writing.	15	
CROSS CULTURAL COMMUNICATION Cross cultural Communication and Influence. Managing passenger interaction Difficult situations, difficult passengers and assenger complaints	15	

ALEXANDER PROPERTY OF THE PROP		
USDAV103 -AVIATION TERMS & TIME ZONES, AIRCRAFT FAMILIARISATION AND ROLES AND ROLES.	LECTURE	PRACTICAL
FAMILIARISATION AND ROLES AND RESPONSIBILITIES	HOURS	HOURS
UNIT I - (Shifted from Course III - Unit II)		
AVIATION TERMS AND TIME ZONES 1. Aircraft Types	- 15	20
2. Passenger iets	15	
3. Common aviation terms and abband.		
7. 4 Wenty-Tour hour clock		
5. Time zones		
6. Greenwich mean time and Universal Coordinated time 7. Airport codes		- //
8. Airline designators		
UNITED AT A COLUMN TO SERVICE OF THE		-
UNIT II - (Shifted from Course III - Unit III)		
THE PARTITION TO STATE OF THE PARTITION TO S	E see	1
Theory of flight and how aircrafts fly Visit to an aircraft	15	
3. Airplane controls and controls		
* Aircraft cabin familiariestics		
2. Aircraft layout terminology		1
Aircraft furnishing and systems.	1	
UNIT III COMO CO		
UNIT III - (Shifted from Course IV - Unit I)		
ROLES AND RESPONSIBILITIES OF AIRLINE STAFF 1. Preparing to undertake a flick.	15	- 1
Preparing to undertake a flight Pre-flight briefing		
3. Prior to passenger boarding		
4. Boarding of passengers		
3. Special handling of passenness	5	
Public announcements		
7. Safety demonstration		
8. During taxiing		-
9. Preparing for take- off		12
10. During cruise		
11. Preparing for landing		31 - 12 1
12. After landing		
3. Critical phases of a flight		

USDAV104 - INFLIGHT SERVICE PROCEDURES, LIFESTYLE CHANGES AND AN INTRODUCTION TO CHEESE AND DANGEROUS GOODS	CTURE	PRACTICAL HOURS
UNIT I - GALLEY EQUIPMENT AND MEAL SERVICE PROCEDURES (shifted from Course IV - Unit II) 1. Aircraft galleys and equipment 2. Proper handling techniques of galley equipment 3. Pre-flight galley checks 4. Airline catering and delivery of catering on board 5. Food Service and Hygiene 6. Types of meals and special meals	15	40
7. Special meal codes 8. Meal service, types and service levels UNIT HA LIFESTYLE CHANGES (Part shifted from Course I – Unit III) 1. Lifestyle changes and coping with them 2. Healthy lifestyles 3. Food and nutrition 4. Exercise and benefits of regular exercise 5. Techniques for getting quality rest	15	
NIT IIB NTRODUCTION TO CHEESE (Part shifted from Course IV – Unit III) 1. Types of Cheese 2. Production of Cheese 3. Service of Cheese		
ANGEROUS GOODS (Shifted from Course VIII – Unit I) Dangerous goods definition and classification Rules relating to carriage of dangerous goods Cabin crew procedures for a dangerous goods emergency.	15	

SEMESTER II			
COURSE - V			
USDAV201 - CREW RESOURCE MANAGEMENT (CRM)	LECTURE HOURS	PRACTICAL HOURS	
UNIT 1-			
INTERPERSONAL SKILLS 1. Team Building	15	10	
Handling communication between crew members Interpressional skills.	1		
THE PROPERTY OF THE PROPERTY O			
4. Communicating with passengers			
INIT II –			
NHANCING CREATIVITY AND DESCURE	. 15		
- Changing creativity in different pro-	-		
2. Utilizing resources for difficult citati			
Using innate reflexes to handle emergencies			
NIT III -	1		
ERSONALITY TYPES AND CREW CONTROL	15		
AND THE STATE OF T			
Barriers to communication Understanding personality types			
Enhancing free flow of communication by			
Crew resource management Writing resumes bandling	-	9	
Writing resumes, handling interviews and group discussions			

USDAV202 - EMERGENCY PROCEDURES IN EVACUATION		LECTURE HOURS	PRACTICAL HOURS	
UNIT I SAFETY AND EMERGENCY PROCEDURES 1. Emergency situations 2. Safety and emergency procedures manual 3. Safety demonstration 4. Brace positions 5. Emergency guidelines		15	40	
UNIT II EVACUATION 1. Planned evacuation 2. Briefing by the Pilot Command 3. Briefing the cabin crew by the Cabin In-charge 4. Emergency announcement 4. Cabin Preparation 5. Initiating Evacuation 6. Unanticipated Evacuation		15		
NIT III ITCHING Evacuation over water Briefing by the Pilot in Command Briefing the cabin crew by the Cabin In-charge Emergency announcement Cabin Preparation Initiating Ditching Survival at Sea		15		

USDAV203 - FIRE SAFETY AND AVIATION	SECURITY	LECTURE HOURS	PRACTICAL HOURS
UNIT I FIRE SAFETY AND FIRE- FIGHTING 1. Classification of fires 2. Cabin fires and common causes 3. Lavatory fires 4. Smoke evacuation 5. Fire-fighting, equipment and procedures		15	40
UNIT II DECOMPRESSION 1. Asphyxia and its effects 2. Rapid decompression 3. Slow decompression 4. Cabin indication for decompression 5. Actions and procedures during decompression 6. Crew incapacitation		. 15	
VIATION SECURITY General precautions Bomb threats, types, procedures and handling Hijacking, action and procedures Unruly passengers		15	

COURSE - VIII	I Deserve	
USDAV204 - ADAPTATIONS & HEALTHY LIVING, INTRODUCTION TO WINES & BEVERAGES AND MEDICAL EMERGENCIES & FIRST AID	HOURS	PRACTICAL HOURS
UNIT IA (Part shifted from Course I – Unit III) ADAPTATIONS AND HEALTHY LIVING 1. Personal health 2. Health risks of frequent flying 3. Known effects of frequent flying 4. Personal safety and security	20	40
While travelling and at the hotel Sightseeing or staying out of the hotel Preparing for emergency while on duty travel		
UNIT IB (Part shifted from Course IV – Unit III) INTRODUCTION TO WINES AND BEVERAGES 1. History of wines, wine making and wine producing areas 2. Service of wines 3. Types of beverages		5
4. Service of beverages UNIT II	4	
MEDICAL EMERGENCIES AND FIRST AID 1. In-flight medical emergencies 2. Identification of roles and responsibilities 3. Symptoms and treatment 4. Importance of First Aid 5. Food Poisoning 6. Death on board	15	
UNIT III USE OF INFLIGHT RESOURCES 1. Carriage of first aid and physician's kit on board 2. Use of an on-board medical professional 3. Use of inflight resources 4. Blood borne pathogens and universal precautions 5. Reporting to ground service about the nature of an emergency 6. First aid Practicals	15	

List of Practical's

The following practicals are suggestive and minimum. Practicals are based on each Unit of the course in the syllabus

USDAV P1

Practical 1.1: Preparation, Application and Projection of Skills.

Grooming, Makeup and Hairstyles

Practical 1.2: Attending passenger complaints and interaction Practical 1.3:

Airport Code, Station Code and related terms

familiarization from internet

Practical 1.4: Visit to an Aircraft

Visit to an Airline catering unit and a wine

distribution centre.

USDAV P2

Practical 2.1:Communication between crew members and passengers Crew Resource Management

Practical 2.2: Swimming

Practical 2.3: Handling and operation of fire-fighting equipment

Practical 2.4: First Aid and Identification of dangerous goods

	THEORY	PRACTICALS	NOTIONAL	Trees	I a
Semester I	185	80	70		Credit
Semester II	185	130	70	335	10
Total	370	210	70	385	10
2.33(6)	1570	210	140	720	20