

Curriculum of M.Sc. in ASAI Programme

SL	Course Code	Course Name	Course Type	Credit	Remarks
			Theory/Sessional		
1	ASI 6105	Applied Aircraft Accident Investigation	Theory (Core)	3.00	
2	ASI 6119	Principles of Flight	Theory (Core)	3.00	
3	ASI 6127	Failure Investigation of Aircraft Materials	Theory (Core)	3.00	
4	ASI 6201	Aviation Safety Management	Theory (Core)	3.00	
5	ASI 6203	Human Factor in Aviation	Theory (Core)	3.00	
6	ASI 6215	Aircraft Airworthiness	Theory (Core)	3.00	
7	ASI 6305	Research Methodology	Theory (Core)	3.00	
8	ASI 6300	Thesis	Theory (Core)	6.00	
9	ASI 6011	Applied Accident Investigation	Theory (Elective)	3.00	Any 03 to be covered
10	ASI 6013	Health, Safety, and Environment	Theory (Elective)	3.00	
11	ASI 6015	Crisis Management	Theory (Elective)	3.00	
12	ASI 6051	Flight Data Monitoring and Analysis	Theory (Elective)	3.00	
13	ASI 6053	Safety Assessment for Aircraft Systems	Theory (Elective)	3.00	
14	ASI 6055	Introduction to Aircraft Structural Crashworthiness	Theory (Elective)	3.00	
15	ASI 6057	Legal Skills for Accident Investigators	Theory (Elective)	3.00	
16	ASI 6059	Bird Aircraft Strike Hazard	Theory (Elective)	3.00	
17	ASI 6061	Aviation Physiology	Theory (Elective)	3.00	
18	ASI 6065	Safety Risk Management	Theory (Elective)	3.00	
19	ASI 6067	Forensic Engineering	Theory (Elective)	3.00	
20	ASI 6069	Sustainable Aviation	Theory (Elective)	3.00	

Total Theory Course to be covered-10 (3.00 Credit Each)

Theory Credit Hr-30.00, Thesis Credit Hr-6.00

Total Credit Hour Require for M.Sc. Degree-36.00