AVIATION MANAGEMENT PROGRAM CURRICULUM MAP

	COURSE Prefix & Number																																							
THE AVIATION MANAGEMENT STUDENT SHALL BE ABLE TO:	AVIA 101	AVIA 105	AVIA 108	AVIA 122	AVIA 131	AVIA 133	AVIA 141	AVIA 160	AVIA 260	AVIA 261	AVIA 264	AVIA 266	AVIA 280																												
Educational Goals Listed Here:																																								
1. Define the terminology and explain the specific federal regulations governing aviation flight operations.	I	R		R	R	R	E	R	R	R	R	R	R																											
2. Explain signifcant events in aviation history which established the need for federal regulatory requirements and specific changes in aircraft design and construction.			I	R		E		R	R	R	I		R																											
3. Demonstrate a working knowledge of aircraft, aircraft systems and aircraft component design and construction.	I			R	R		E					R	R																											
4. Demonstrate the ability to interpret the information contained in aviation weather reports and forecasts and explain the current and forecasted conditions by METARs and TAFs	I				R		E		E				R																											
5. Demonstrate the ability to summarize the design and operation of internal combustion engines and explain in detail the theory and method of safe operation.	I			E																																			
6. Demonstrate a working knowledge of the domestic and international Air Traffic Control System and how the International Civil Aviation Organization (ICAO) influences the operation of the airline system.	I	R			E		R	R		R		R																												
7. Relate the role that code share carrier airlines have in the industry to Trunk Carriers, Major Carriers and Flag Carriers.	I	R	R					R		E																														
8. Describe the concept of operation of the hub and spoke airline structure in the domestic airline system today.		R				R		I		E		R																												
9. Relate the differences and similarities of Federal Aviation Regulations Parts 135 and 121.		E				R	I				R		R																												
10. Describe the operational concept for the Extended Twin Engine Operations System (ETOPS) in the airline industry today.		R						I		E	I																													
11. Demonstrate a working knowledge of the federal tax structure established by the Federal Government, which funds the Airport Improvement Program (AIP).												I	R																												
12. Illustrate runway design features pertaining to Obstruction Clearance Requirements required by Federal Aviation Regulations under F.A.R. Part 77.	I									R		E																												
13. Demonstrate knowledge of the International Civil Aviation Organization (ICAO) and discuss their role in international airline operations.								I		E	E	R																												
14. Demonstrate knowledge of the aerodynamic principals of flight.	I	R	R	E			R		R				R																												
15. Describe the actions required to manage personnel and resources while maintaining proper human relation skills and safety in the workplace.						R							R	R	I	E																								
16. Demonstrate knowledge of the legal system regarding equal employment opportunities, recruiting, orienting, training and performance appraisals.													R	E		I																								
17. Demonstrate knowledge of the American legal system including contracts, workers' rights and employment.													R	E		I																								
18. Demonstrate basic individual computer skills related to advances in current technology in the Aviation industry.						R					R		R	E																										
Submitted by: Keith Mueller																																								
Division: Math and Sciences																																								
Date Reviewed: Oct 2013																																								
Status: Accepted																																								