Course Title	Aviation Information Systems and Digitalization			
Course Code	AVM124			
Course Type	Compulsory			
Level	Bachelor (1 st cycle)			
Year / Semester	1 st Year / 2 nd Semester			
Instructor's name	ТВА			
ECTS	5 Lectures / week 3 Hours/ 14 Weeks None			
Course Purpose and Objectives	The purpose of the Aviation Information Systems course is to provide the students with an understanding of what are Information Systems and how they can be applied within the aviation industry. The course provides a comprehensive understanding of current Information Systems and their applications in a business environment as well as the processes through which such systems are developed. It then goes on to analyze the issues relating to information management within the aviation sector and to outline the systems that are used to enable it. It finally involves the students in studying the possible applications of Information Systems in current and future aviation operations.			
Learning Outcomes	 Upon successful completion of this course students should be able to: Define the term Information Systems and the components that constitute it Explain the major components of the information technology infrastructure of an organization: hardware and software, data resources, telecommunications and networks and the Internet Differentiate knowledge management and describe how knowledge management supports organizational decision-making and affects strategic success Describe the process of developing an information system Analyse the information management needs within an aviation related environment Describe the technologies and the software solutions that can be used in aviation and the ways in which they can be applied Evaluate modern technologies, their possible applications in aviation and their benefits 			

Prerequisites	AVM110	Co-requisites	None
Course Content	The material included in Introduction to li An Introduc Hardware a Database S Telecomm Business Inform Electronic Systems. Information Knowledge Systems	this course cover th nformation System ction to Information S and Software. Systems and Busine unications, Internet, ation Systems. and Mobile Cor and Decision Supp Management and	e following subjects: Systems in Organizations. ess Intelligence. Intranets and Extranets. nmerce and Enterprise oort Systems.
	 Systems Develop Information Mangement Information Mangement Structure of Management Innovations Technologies for Information Technologies for Information Information Information Social med Specific Social med<th>pment a Systems developm agement in Aviatio f Aviation Operation ent of Aviation Operation in Aviation Operation f Aviation Operation f Aviation Operation f Aviation Operation f aviation Operations d driven and technolo d passengers sed applications lications lia oftware packages for a aircraft schedu g stock control and on of aviation proces f management (SAI relations gies and application f new technologies of new technologies of new technologies of new technologies</th><th>ent process n al Information ational Information onal Information logy-enabled solutions for r passenger reservations, ling, route profitability, compliance audit. sses and the impact on: stems like AIMS, LIDO, BRE, AirRM etc.) ns gies in aviation related</th>	pment a Systems developm agement in Aviatio f Aviation Operation ent of Aviation Operation in Aviation Operation f Aviation Operation f Aviation Operation f Aviation Operation f aviation Operations d driven and technolo d passengers sed applications lications lia oftware packages for a aircraft schedu g stock control and on of aviation proces f management (SAI relations gies and application f new technologies of new technologies of new technologies of new technologies	ent process n al Information ational Information onal Information logy-enabled solutions for r passenger reservations, ling, route profitability, compliance audit. sses and the impact on: stems like AIMS, LIDO, BRE, AirRM etc.) ns gies in aviation related
Teaching Methodology	Face-to face		

Bibliography	 R. Stair & G. Reynolds. Fundamentals of Information Systems. Course Technology, 2013 K. C. Laudon & J. P. Laudon. Management Information Systems, Prentice Hall, 2013 Thomas L. Seamster, Barbara G. Kanki. Aviation Information Management: From Documents to Data. Ashgate Publishing. 2002. ISBN 978-1-138-25828 Nawal K. Taneja. The Passenger Has Gone Digital and Mobile: Accessing and Connecting Through Information and Technology. Routledge 2016. ISBN 9781409435020 Aviation Information Systems Manual 	
Assessment	Examinations70%Assignments20%Participation10%100%100%	
Language	English	