

1. Course (module) name	2. Code
Aircraft Maintenance	N200AM16BNVM033

3. Lecturer (s)	4. Division(s)
Coordinator: Prof. dr. Viktoras Bolotinas Other (s):	Business School

5. Cycle of studies	6. Course (module) level	7. Course (module) type
First	Course is not divided into parts	Mandatory

8. Delivery form	9. Delivery period	10. Delivery language (s)
Full-time	Semester 7	English

11. Requirements for students	
Preliminary requirements:	Associated requirements (if any):
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12. Scope of course (module) in ECTS credits	13. Full workload of a student (hours)	14. Contact work hours	15. Independent work hours
6	160	40	120

16. Course (module) purpose: competences developer by the course programme
<p>Subject purpose:</p> <ul style="list-style-type: none"> • Give knowledge about Regulation (EU) 1321/2014 Part-M (Annex I) and Part-145 (Annex II) influence on maintenance organization activity • Give skills to apply in consistent manner Regulation (EU) 1321/2014 Part-M (Annex I) and Part-145 (Annex II) requirements to day-to-day activity of key maintenance organization departments

17. Relation of the course targets with the expected results of studies and evaluation methods of studies and student achievement			
Results (targets) of the course	Results of the course	Methods of studies	Evaluation methods of academic achievements
Students have to gain the ability to identify problems independently, observe new opportunities and develop new products and services that provide added value to the aviation sector.	Students demonstrate knowledge of Part-M and Part-145 of the Regulation (EU) 1321/2014 determining the airworthiness	Theoretical and problem based lecture, Data collection and analysis.	Individual written assignment and final examination
	Demonstrate skills in application of the main airworthiness rules in aircraft maintenance organization management.	Theoretical and problem based lecture, Data collection and analysis.	Individual written assignment and final examination
	Demonstrate knowledge and skills while applying continuing airworthiness rules to practical management of selected AMO departments	Theoretical and problem based lecture, Data collection and analysis.	Individual written assignment and final examination

18. Course content		
Topics	Contact work hours and learning method	Time of independent studies and tasks

	Lectures	Consultations	Seminars	Exercises	Laboratory work	Practice	All contact work	Independent work	Tasks
1. Aviation maintenance in the context of EU Regulation 1321/2014 Part-M and Part-145.	8		4				12	36	Analysis of literature and group discussion
2. Approved maintenance organization (AMO) engineering and planning management	4		4				8	24	Analysis of Part-147 AMO documentation and individual written assignment
3. AMO warehouse management	4		6				10	30	Analysis of Part-147 AMO documentation and individual written assignment
4. AMO base maintenance management	4		6				10	30	Analysis of Part-147 AMO documentation and individual written assignment
Total	20	-	20	-	-	-	40	120	

19. Strategy and criteria of student assessment			
Assessment method	Per cent	Delivery time	Evaluation criteria
Written Technical Report	40%	During the Semester	Evidence of data collection (15%), presentation (15%) analysis and discussion of results (45%) using a clear and appropriate method. The ability to communicate a technical topic in a clear and concise manner using a structured report (25%).
Examination	60%	During the Semester	Evidence of understanding the subject through appropriate answers to the questions (50%), clear and concise answers (30%), depth of analysis (10%), logic (10%). Excellent – above 70% Good – 60-70% Adequate – 40-59% Inadequate – under 40%

20. Sources of study, literature
Mandatory sources of study, literature
<ol style="list-style-type: none"> https://www.easa.europa.eu/document-library/regulations/commission-regulation-eu-no-13212014 https://www.easa.europa.eu/document-library/regulations/commission-regulation-eu-20151088 https://www.easa.europa.eu/document-library/regulations/commission-regulation-eu-20151536 C.H. Friend. Aircraft Maintenance Management. Longman, 1992. 185 p. Harry A. Kinnison. Aviation Maintenance Management. McGraw-Hill, 2004. 297 p.
Additional sources of study, literature
<ol style="list-style-type: none"> Filippo De Florio. Airworthiness. Elsevier, 2006. 247 p. Q.C.M. Revision No.: 14 Date: 01 September 2016. Consolidated Version of Commission Regulation (EU) No 1321/2014 of 26 November 2014 and Decision No 2015/029/R of 17 December 2015 including Commission

Regulation (EU) No 2015/1536 of 16 September 2015 and Decision No 2016/011/R of 11 July 2016. Annex I
(PART-M) CONTINUING AIRWORTHINESS

3. Q.C.M. Revision No.: 16 Date: 18 July 2016. Consolidated Version of Commission Regulation (EU) No 1321/2014 of 26 November 2014 and Decision No 2003/219/RM of 28 November 2003 including Commission Regulation (EU) No 2015/1536 of 16 September 2015 and Decision No 2016/011/R of 11 July 2016. ANNEX II
(PART-145) APPROVED MAINTENANCE ORGANISATIONS