

<b>1. Course (module) name</b>	<b>2. Code</b>
Aviation Management Information Systems	N200AM16BVM022

<b>3. Lecturer (s)</b>	<b>4. Division(s)</b>
<b>Coordinator:</b> lect. Kevin Steele <b>Other (s):</b>	Business School

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

<b>8. Delivery form</b>	<b>9. Delivery period</b>	<b>10. Delivery language (s)</b>
Full-time	Semester 5	English

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

<b>16. Course (module) purpose: competences developed by the course programme</b>
This course aims to give students an understanding of systems used in most areas of aviation, what is being measured, and the business decisions they support. They will also have the opportunity to apply those systems and measures with some practical examples.

<b>17. Relation of the course targets with the expected results of studies and evaluation methods of studies and student achievement</b>			
<b>Results (targets) of the course</b>	<b>Results of the course</b>	<b>Methods of studies</b>	<b>Evaluation methods of academic achievements</b>
Students have to understand different areas of the aviation industry, to understand the features of their management and to be able to organize and implement managerial processes, to collect and analyze data, to select appropriate methods and tools.	Understand the acronyms used in aviation systems.	Informative, via lectures	Tests, Examination
	Understand what the various aviation systems measure, and what decisions they support.	Informative, via lectures. Creative, via group presentations	Tests, Examination, and Assessment of group and individual presentations
	Be able to define the benefits of both an integrated and standalone system platform	Creative, via group presentations	Assessment of group and individual presentations
	Understand what decisions a startup airline would need to make on its suite of systems, and why	Informative, via lectures. Creative, via group presentations	Tests, Examination, and Assessment of group and individual presentations
	Be able to quantify, in both revenue and cost terms, the impact of systems selection	Creative, via group presentations	Tests, Examinations, and Assessment of group and individual presentations
	Students will understand how to apply the information that the systems give them	Creative, via group presentations	Tests, Examinations and Assessment of group and individual presentations
	Students will understand how The application of systems information, will drive decisions on aircraft type, route, schedule, pricing,	Creative, via group presentations	Tests, Examinations, and Assessment of group and individual presentations

	distribution and financial results		
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<b>18. Course content</b>										
<b>Topics</b>	<b>Contact work hours and learning method</b>							<b>Time of independent studies and tasks</b>		
	Lectures	Consultations	Seminars	Exercises	Laboratory work	Practice	All contact work	Independent work	<b>Tasks</b>	
1. Introduction to Airline Systems	2	-	1	-	-	-	3	40	Allocated precourse work	
								10	Team presentation on overall systems selection	
2. Understanding of standalone versus integrated systems platform	2	-	1	-	-	-	3	5	Team decisions workshop on standalone vs integrated systems	
3. Full service versus low cost Revenue Management Systems	2	-	2	-	-	-	4	5	Team decisions workshop on Revenue Management Systems	
4. Revenue Proration calculations and interlining	1	-	2	-	-	-	3	5	Team decisions workshop on interlining or not	
								5	Team presentation on Revenue Systems	
5. Route Profitability systems	2	-	3	-	-	-	5	5	Team decisions workshop on Route Profitability Systems	
6. Aircraft utilisation and schedule construction	2	-	3	-	-	-	5	10	Team presentations on route structure	
7. Airline Commercial Systems	2		2				4	5	Team decisions workshop on Commercial Systems Selection	
8. Airline Financial Systems	1		1				2	5	Team decisions workshop on Financial Systems Selection	
9. Airline Operational Systems	2		3				5	5	Team decisions workshop on Operational Systems Selection	
10. Airline Startup models and systems	2	-	4	-	-	-	6	10	Presentation on Airline Startup	

		-		-	-	-		<b>10</b>	Final examination and preparation
<b>Total</b>	<b>18</b>	-	<b>22</b>	-	-	-	<b>40</b>	<b>120</b>	

<b>19. Strategy and criteria of student assessment</b>			
<b>Assessment method</b>	<b>Per cent</b>	<b>Delivery time</b>	<b>Evaluation criteria</b>
Individual Tasks	50%	During the semester	<p>Students will be split into teams, and then allocated roles within that team, ie CEO, Commercial Director, Finance Director, Ops Director etc. At end of every day, each team will present their decisions (and why) on the topics covered during the day. Points will be allocated to each individual within the team, for their understanding of the topic presented (please allocate students with nametags to facilitate this). Roles within each team will then change for the next presentation. Each person will be marked 1 (poor) to 5 (excellent) for each presentation. A total of 4 presentations, with overall marks:</p> <p><b>Less than 8</b> – Minimum requirements not met  <b>9-11</b> – Average knowledge and skills, a pass  <b>12-14</b> – Good knowledge and skills, a pass with merit  <b>15 and above</b> – Excellent knowledge and skills, a distinction.</p>
Examination	50%	During the semester	<p>Exam will last 90 minutes. There will be a) 6 questions with one word/phrase answers, worth a single point each b) 4 questions with answers needing a paragraph, to show level of understanding, worth 2 points each c) 2 questions requiring a full page answer, to show detail of knowledge of the subject matter, worth 3 points each. Overall marks:</p> <p><b>Less than 8</b> – Minimum requirements not met  <b>9-11</b> – Average knowledge and skills, a pass  <b>12-14</b> – Good knowledge and skills, a pass with merit  <b>15 and above</b> – Excellent knowledge and skills, a distinction.</p>

<b>20. Sources of study, literature</b>
<b>Mandatory sources of study, literature</b>
See precourse work form sent separately.
<b>Additional sources of study, literature</b>