

Faculty	<b>4 - Electrical Engineering and Computer Science &amp; 5 - Nature and Engineering</b>
Course Title	Airbus Café
Number of ECTS credits	6 ECTS
Hours per week (SWS)	4 + 8
Required Semester	3 <sup>rd</sup> year students Bachelor from exchange partners and Master students
Term	Summer Term
Course objective	<p>On successful completion of the course, students are able to:</p> <p>Professional competencies (knowledge/ skills):</p> <ul style="list-style-type: none"> <li>• analyze an interdisciplinary problem in the aerospace field</li> <li>• understand the interdisciplinary nature of the problem</li> <li>• identify the links between the disciplines involved</li> <li>• develop possible solutions to the problem</li> <li>• design possible future technical systems for the solution approaches</li> <li>• assess the effects of future technical systems on society as a whole</li> </ul> <p>Personal competencies (social competence/ self-reliance):</p> <ul style="list-style-type: none"> <li>• communicate and cooperate with external project partners</li> <li>• develop their own concepts for a concrete project based on the literature</li> <li>• carry out project management in the frame of a concrete project</li> <li>• plan, design and responsibly carry out assignments in collaborative team work</li> <li>• substantiate and present complex interdisciplinary problems and solutions to experts and work with them on further development</li> <li>• design learning and work processes independently</li> <li>• reflect on their own and externally set learning and work goals, pursuing them in a self-directed manner and taking responsibility for them, as well as drawing consequences for the work processes in the team</li> </ul>
Prerequisites	<p>None</p> <p>Since this is a course based on interdisciplinary project work, no beginners will be accepted (see also required semester).</p>
Recommended reading	Depends on the topic chosen for each semester. Current literature on an initial question for students to work on will be announced at the beginning of the course.
Teaching methods	Seminar, Project work and self-study (1/3 per module each)

Assessment methods	Project report or portfolio and presentation
Language of instruction	English
Name of lecturers	Prof. Dr.-Ing. Jasminka Matevska (Faculty 4) Prof. Dr.-Ing. Uwe Apel (Faculty 5)
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Link	<a href="http://www.fbm.hs-bremen.de/modul/beschreibung.aspx?modul_id=8b20039b-6dcb-42e8-bf02-2dc62b118fc4">http://www.fbm.hs-bremen.de/modul/beschreibung.aspx?modul_id=8b20039b-6dcb-42e8-bf02-2dc62b118fc4</a>
Course content	<p>The course is carried out in cooperation with the Airbus Group. (<a href="https://www.airbus.com/">https://www.airbus.com/</a>)</p> <p>Subject-related contents:</p> <ul style="list-style-type: none"> <li>• future topics of aerospace, varying from semester to semester</li> <li>• participating disciplines (e.g. mechanical engineering, electrical engineering, computer science, architecture, economics, social sciences)</li> <li>• technical, economic and societal aspects</li> </ul>