

# Summer School MAP-SS

## Syllabus 2020

### Introduction to Project Management in Aerospace Programs

<b>Location:</b>	ISAE-SUPAERO Toulouse
<b>Objectives:</b>	The module offers the space summer students the opportunity to get an introduction to Project Management within Aerospace Programs. Basic tools of Project Management are taught (WBS, OBS Gantt, Cost, Risk Management) and illustrated in Aerospace Programs.
<b>Prerequisites:</b>	2 <sup>nd</sup> year of Bachelor in Science or Engineering
<b>Contents:</b>	<p>What is Project Management?</p> <ul style="list-style-type: none"> <li>- Technical aspects</li> <li>- Organization aspects</li> <li>- Human aspects</li> </ul> <p>What is a project?</p> <ul style="list-style-type: none"> <li>- Objective QCD</li> <li>- Types of projects</li> <li>- Phases and Milestones</li> </ul> <p>Roles and responsibilities within a project organization</p> <ul style="list-style-type: none"> <li>- Sponsors and Steering Committee</li> <li>- Project manager and project team</li> </ul> <p>Technical aspect in project management</p> <ul style="list-style-type: none"> <li>- WBS</li> <li>- PERT and Gantt</li> <li>- Workload</li> <li>- Cost management</li> <li>- Risk management</li> </ul> <p>Feedback and lessons learned from a real aerospace project</p>
<b>Duration:</b>	Five 3-hour lecture sessions plus 1-day workshop
<b>Coordinator:</b>	Prof. David Mimoun
<b>Bibliography:</b>	<p>NASA Space Flight Program and Project Management Handbook</p> <p>NASA systems engineering handbook</p> <p>Aircraft Design Project (Lloyd Jenkinson, Jim Marchman)</p> <p>Aviation Project Management (Dennis Lock and Triant G. Flouris)</p>
<b>Evaluation:</b>	Written exam