



Program and Degree: BSc in Aerospace Engineering	
Course Description	
Course Title	Welding and sheet metal forming Workshop
Prerequisites	Technical Drawing II
The course aims	Students' acquaintance with the Fundamentals of Welding and sheet metal forming and in aerospace industry, and methods of assembling and connecting parts of the aircraft to each other.
Contents	<ol style="list-style-type: none"> 1- An introduction to the importance of Sheeting Processes and Welding in Aerospace technology. 2- Safety at the workshop 3- Primary Considerations: Calculate the initial weight, strength, strength of the main structure, selecting the appropriate materials 1- Execute of plan: shaping of metal sheets 2- Riveting: rivets and special types of joints on airplanes 3- Non-metallic structures and composites 4- Tools and tips for welding 5- Preparation of machine and parts for welding 6- Perform Welding Operations in Aircraft Industry 7- Familiarity with destructive and non-destructive testing on aircraft
Duration	1 Semester (16 weeks)
Course Hours	3 hours/week
Course Type	Required