



Program and Degree: BSc in Aerospace Engineering	
Course Description	
Course Title	Aircraft Engines, Body and Systems Workshop
Prerequisites	Technical Drawing 2
The course aims	Students' acquaintance with different aircraft engines, aircraft body and aircraft subsystems.
Contents	<p>1- Aircraft engines: The role of the engine in the airplane, the types of air engines, the comparison of jet and piston engines, the engine's overhaul: including engine deployment, cleaning, inspection, balancing, reassembly, and engine testing.</p> <p>2- Aircraft Body: Including structure of body of aircraft, the forces involved in the body, the role of the wings and the forces on it, the tail of aircrafts, the various types of control surfaces and their structure.</p> <p>3- Aircraft Systems: Including aircraft hydraulic system, pneumatic system, control surfaces system, air conditioning system, Fire extinguishing system, Oxygen supply system, Fuel system, Electric power supply system</p>
Duration	1 Semester (16 weeks)
Course Hours	4 hours/week
Course Type	Required