Program and Degree: **BSc in Aerospace Engineering**	
Course Description	
Course Title	**Aerodynamic III**
Prerequisites	Aerodynamic II
The course aims	To provide students with knowledge of transonic and supersonic aerodynamics, supersonic wing section, computer program to simulate flow around swept wings and selection topic in aerodynamics.
Contents	-General introduction to aerodynamics and common classification - Introduction to the aerodynamics of flying devices - Aerodynamic criteria for aircraft design - Wing sections in transonic and supersonic flow - Swept wings in subsonic, transonic and supersonic flow - Introduction to computer programs to simulate swept wings and solve some examples - Selection topic in transonic and supersonic aerodynamics - Selection topic in aerodynamics (missile, helicopter, …)
Duration	**1 Semester (16 weeks)**
Course Hours	**3 hours/week**
Course Type	**Optional**