



CNES Launchers Week 2012

Master of Aerospace Science and Technology, Universitat Politècnica de Catalunya

9-13 Jan 2012, Campus UPC in Castelldefels

All lectures will be performed at building C3 in room 310, from 10 to 17:30

Monday 9th Jan 2012

- **Orbital dynamics, trajectory design, flight mechanics and GNC
(Eric Bourgeois and Benjamin Carpentier)**

Tuesday 10th Jan 2012

- **Mechanical design, architecture and structural conception
(Patrick Mourey)**

Wednesday 11th Jan 2012

- **Rocket propulsion
(Pascal Fortunier)**

Thursday 12th Jan 2012

- **Avionics and safety Systems
(Caroline Aussilhou and Philippe Miramont)**

Friday 13th Jan 2012

- **Orbital pollution, current installations and future launchers
(Christophe Bonnal)**