Virtual Exchange Program

The Conquest of Space: Space Exploration and Rocket Science

**Start date:** 27/01/2020, **End date:** 30/06/2020
**Platform:** Open edX at UC3M (SPOC)

Universidad Carlos III Madrid

**COURSE SYNOPSIS**

**Domain:** Engineering

**Title(s) of the course(s) as it appears on the platform:** The Conquest of Space: Space Exploration and Rocket Science

**Language (ISO-639-1 code):** en

**Short description of the course:** This aerospace course is a first step for those interested in learning more about the history of the space and the impact of space exploration on our daily lives.

**Instructor(s):** Manuel Sanjurjo

**Level:** BA3

**ECTS:** 3.0

**Workload in student hours:** 75.0

**Semester:** 1: jan-june

**Full course description:** Space exploration plays a major role in the history of humankind. The cultural, political and sociological repercussions are extraordinary, and the amount of resources dedicated to space exploration is enormous. Each week we will focus on a major chapter in the history of space exploration accompanied by an introduction to the relevant technical topics to fully understand these historical developments. During the seven weeks of the course, we will follow the technical, political and cultural contexts that lead to the birth of the space age, uncover the evolution of space exploration from competition to cooperation in the Apollo and post-Apollo era and finally, analyze current trends in space exploration. By successfully completing this course, you will acquire the critical tools to understand the key events and developments of the Space Age. You will learn to solve basic technical and engineering problems of space travel, rocket propulsion, space systems, and human space flight.

**Prerequisites:** -

**Link to course on platform:** https://spoc.uc3m.es/courses/course-v1:BIO+BIA.2b+2019_20_T2/about,

**Link to course in University studyplan:** https://aplicaciones.uc3m.es/cpa/generaFicha?est=223&asig=12781&idioma=2

**Course registration opening date:** 09/09/2019

**Course registration deadline:** 13/01/2020

**Course withdraw date:** -

**Midterm:** No

**Midterm details:** -

**Exam period start:** -
Exam period end: -
Exam date: -
Exam timing: No exam
Exam start time: -
Exam end time: -
Time zone (at the time of the exam, DST): UTC+1
Exam registration date: -
Exam resit available: No
Exam resit period start: -
Exam resit period end: -
Exam resit date: -
Exam resit time start: -
Exam resit time end: -
Time zone (at the time of the resit of the exam, DST): -
Final exam type: No exam
Final exam details: -
Exam requirements for home university (computer, VOIP, recording materials): -
Cap (maximum number of exchange students): 35.0
Offered to which partners: -, All partners of the Alliance(s) selected above
Link to course image: https://drive.google.com/open?id=1T1YNNfKTwbwPpUlbe0np-jzT5PPptk70