

THE ISU FACULTY

The ISU Faculty is specialized in integrating the technical aspects of space into clear, interdisciplinary programs for students with a range of professional and educational backgrounds. There will also be additional guest lecturers of interest to the class



"We are excited to bring our Executive Space Course to Seattle, an emerging hub for commercial space ventures, thought leadership and growth of the space sector in the Pacific Northwest and beyond. As one of the foremost educational air and space museums in the world, The Museum is the perfect location for this course."

Prof. Walter Peeters,
Space Business and Management,
President of ISU

WANT TO STUDY FURTHER

ISU also offers a space studies and a master program. Further information on ISU programs available at : www.isunet.edu

EXECUTIVE
SPACE
COURSE
3-7 OCTOBER 2016

REGISTRATION

Class size is strictly limited. Register early to reserve your place on the Executive Space Course. Registration will be complete through the payment of a USD 500 deposit before 2 September 2016. The payment of the remaining fees is due no later than 16 September 2016. Registration is done online: www.isunet.edu/about/executive-space-course

LOCATION

The Museum of Flight is a private non-profit air and space museum in the northwest of the United States. It is located at the southern end of King County International Airport, in the city of Tukwila, just south of Seattle.



THE MUSEUM OF FLIGHT

9404 East Marginal Way S.
Seattle, WA 98108
www.museumofflight.org

DATES

3-7 October 2016
5 days

FEE

USD 3,500 which includes the course fee, all course materials, lunches, a reception and two evening events. A cancellation policy applies, further details under www.isunet.edu/about/executive-space-course

INFORMATION

Further information about the course can be obtained via – esc@isunet.edu



EXECUTIVE
SPACE
COURSE

3-7 OCTOBER 2016
SEATTLE - USA



EXECUTIVE SPACE COURSE

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EXECUTIVE SPACE COURSE

The International Space University (ISU), the world's leading university dedicated to the interdisciplinary study of space, is offering its acclaimed one-week Executive Space Course in the Pacific Northwest for the first time.

The Executive Space Course, which will take place in Seattle in October 2016, looks at current space and space-related activities and explains the technology, science, business case, regulatory environment and policies upon which each phase of a space program or mission is based. With the budding space industry in Seattle, entrepreneurs, investors, and those looking to hone their skill set within the industry can benefit greatly from the content rich week long course.

OBJECTIVES

The course, taught in English, aims to:

- ▶ Introduce you to sector specific and global space initiatives to help you develop a basic understanding of different facets of the space sector.
- ▶ Explain core engineering and technical concepts, and relate them back to business objectives.
- ▶ Deliver a greater understanding of the industry challenges and opportunities
- ▶ Give an insight into the traditional space markets (telecom, navigation, earth observation...) as well as new space commercial sector growth.



WHAT WILL I GAIN?

You will leave the course with knowledge and skills to empower you to enter the space sector in a meaningful way, or increase your aptitude and effectiveness in your current role. This course will give you confidence to work with industry professionals on a new level with you increase understanding of the science and tech jargon you need to interface with your greater team.

METHODOLOGY

A week of intense programming will expose you to the interdisciplinary, international and intercultural learning environment of the International Space University and the space sector. Notable industry professionals will conduct lectures and experiential learning with workshops and case studies, proving you an informed glimpse into the industry. You and your classmates will be challenged with a project encapsulating all major aspects learned during the week when you apply your recently acquired skills to real business cases.



"An outstanding course providing a great overview of the diverse space subjects. A perfect introduction into the space industry!"

Maria Vicente, SES, Luxembourg

PROGRAM

	Monday 3 October	Tuesday 4 October	Wednesday 5 Oct.	Thursday 6 October	Friday 7 October
9:00 to 10:00	Welcome and Overview of the Executive Space Course	Leaving the Planet: Propulsion and Space Transportation	Space Navigation & Applications	Space Telecommunications & Applications	New Space Overview
10:15 to 11:15	Why Space?	Space Markets & Future Trends	Tech Transfer & Export Control	Space Telecommunication and Navigation Law	Legal Implications of New Space
11:30 to 12:30	Organisation of the Space Sector and Outlook	Space Systems Design	Space - General Legal Framework	The Telecommunications Market	11:30 - 12:00 Closing Ceremony
12:30 to 14:00	Lunch	Lunch	Lunch	Lunch	Lunch (optional)
14:00 to 15:00	The Space Environment	Remote Sensing & Applications	Risk Management & Case Study	Introduction to the ISU Concurrent Design Facility	
15:15 to 16:15	International Cooperation in Space	Microgravity Applications / EYAS Sat Workshop	Space Mission Design	Concurrent Design Workshop	
16:30 to 17:30	Orbits	Microgravity Applications / EYAS Sat Workshop	Intellectual Property	Concurrent Design Workshop (continued)	
17:30 to 18:30	Welcome Reception		Distinguished lecture: 18:30 - 19:30	Presentation of Workshop Results	

The above is a tentative schedule. Changes might apply for the next session.

"Taking the ESC is a unique experience! I feel more confident talking about space related concepts. I enjoyed the very positive and intercultural learning atmosphere."

Diana Muller, DLR, Germany



"A great introduction to space, in a stimulating international environment »"

Reineke Van Der Kolk, Airbus Defense and Space, The Netherlands



PARTICIPANT'S PROFILE

The course is intended mainly for non-technical professionals of diverse backgrounds and experience who would like to enter the space industry in a business or investment capacity, or who already work in a non-technical role and wish to increase their productivity and knowledge base in a highly technical and scientific industry. Many people think you need to be an engineer or a scientist to be a part of the space industry, but the International Space University aims to open up access for people of all vocations.

BENEFITS FOR THE COMPANY

- ▶ Help staff get a clearer picture of how the global space sector is structured
- ▶ Stay a step ahead and keep abreast of the latest space developments
- ▶ Generate business opportunities via other participants
- ▶ Ensure smooth exchanges and communication on space issues within the company

BENEFITS FOR THE PARTICIPANT

- ▶ Lecturers available for additional information
- ▶ Several networking opportunities
- ▶ Use of ISU's facilities
- ▶ ISU network of more than 3700 alumni from over 100 countries