

AGENCY

Online Product Assurance Awareness Training Course 2021 gives University students new perspectives

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In brief

ESA Academy and ESA's Product Assurance and Safety Department have collaborated to run the Online Product Assurance Awareness Training Course 2021. Held between 15 and 24 November 2021, this was the course's fourth edition, but the first time it has been held online. Participating virtually were 30 university students studying for a Master or PhD in engineering or in science with some engineering knowledge, spanning 14 different [Member States and Canada](#). Course modules were delivered by 11 ESA experts.

In-depth

"The significance of ESA Academy's invaluable training courses cannot be stressed enough," said a participating Spanish student from the Universidad Carlos III de Madrid. "They provide a workspace where students can interact with top professionals with remarkable experience, who share the wisdom they have accumulated during a lifetime of participating in and leading the most challenging projects in space history."

The first two days gave students a thorough introduction to the training course. The importance of Product Assurance (PA) in space-related projects and business was discussed, as well as the knowledge students will need in order to become successful PA engineers. Participants were taught that PA engineers are responsible for failure-proofing missions, and that their duties include ensuring that the materials, mechanical parts, processes, and electrical components used to assemble a spacecraft or launcher are fit for purpose over the entire life of a mission.

— Expert presents Product Assurance in Space Business through different ESA missions

— Students learn about Radiation Hardness Assurance

The third day was about familiarising students with the tasks of Quality Management and Assurance, stressing how important these aspects are throughout the various stages of