

Colorado Space Policy Center

Graduate Certificate Fact Sheet



About the Certificate

The goal is to develop a graduate certificate in space policy, drawing upon existing science and space policy courses (Cooperative Institute for Research in Environmental Sciences, Aerospace Engineering Sciences and Astrophysical & Planetary Sciences), the Space Minor curriculum, and various political science, business, and law courses. This would be the first stage in the development of a Professional Master's degree with participation from Colorado's aerospace industry.

Effort to Date

We recently completed a survey of all potential classes currently in the curriculum across all schools and colleges at CU that could apply to the Space Policy Certificate. We have stated the process of narrowing down to a list of classes that could have a place in the Certificate. Along with this, we are in contact with various professors to gauge interest in teaching the classes picked for the certificate.

Class Examples

Below is a potential list of classes the center is considering for the certificate.

CESR 3050 (Leeds School of Business) **Sustainable Space Governance**

As more countries and companies develop extraterrestrial ambitions, the sustainability of space activities is at risk. While outer space is vast, Earth's orbit faces debris, satellite congestion, and radio-frequency interference. The course surveys international outer space law and the role of private and public actors in exploration of the final frontier. Students also consider prospective governance challenges such as planetary settlement and asteroid mining.

ASTR 4800 (Astrophysical & Planetary Sciences) **Space Policy: Practice and Policy**

Exposes students to current controversies in science that illustrate the scientific method and the interplay of observation, theory, and science policy. Students research and debate both sides of the issues, which include strategies and spin-offs of space exploration, funding of science, big vs. small science, and scientific heresy and fraud.

EMEN 5065 (Engineering Management) **Global Topics in Aerospace**

Examining current international space topics including civil, military, and commercial activities forms the basis for this course. The origins and evolution of space policy and laws, current organizational and governance structures, space economics, space sustainability, human exploration strategies, the future of space exploration, and recent developments in the commercial space sector will be analyzed. The course exposes students to the current context of the industry to prepare them for a career in the space economy.

LAWS 7710 **Space Law and Policy**

Examines the role of international law in the regulation of outer space activities. Topics include current and potential future uses of outer space, law-making processes related to space activities, legal regime of outer space and celestial bodies, legal status of spacecraft, liability for damage caused by space activities, and settlement of space-related disputes.

Contact Us:

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