

ESE 101. Earth's Atmosphere. *9 units (3-0-6); first term.* Composition of the atmosphere. Radiative transfer and the greenhouse effect. Scattering and absorption by gases, clouds, and aerosols. Feedbacks due to water vapor, clouds, ice, and vegetation. Transports of energy and momentum and their effects on the surface climate. Chemical reactions in the atmosphere affecting atmospheric ozone and air quality.

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Replaces ESE/Ge148a