

**ASEN 5158**  
**SPACE HABITAT DESIGN**

**Fall 2022**  
**Tuesday/Thursday 10:00-11:15**  
**Room Aero N240**

*Lecture notes and recordings will be available on Canvas shortly after class*

**Instructor: Prof. David Klaus**

*email: [klaus@colorado.edu](mailto:klaus@colorado.edu)*

*telephone: (303) 492-3525*

**TA: Sam Kurtin**

*email: [Samuel.Kurtin@colorado.edu](mailto:Samuel.Kurtin@colorado.edu)*

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Course Objectives

Utilize systems engineering methods to design and analyze a spacecraft intended for human occupancy with functional knowledge of the technologies used to sustain life. Emphasis placed on deriving requirements from stated mission goals and objectives, developing integrated functional schematics into a conceptual design, and analyzing design options by mass/volume estimation, including launch vehicle selection.

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Office Hours

TBD, will be set after first week of class

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**Policies on Disabilities, Absences, Behavior and other Guidelines**

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