

Course Syllabus

Instructor: Patrick H. Diamond
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Office Hours: Open, *but* best to call or email first. Office hours will be by Zoom.

Lectures: Tuesday, Thursday 11:00 a.m. – 12:20 p.m.
SERF 329

Lecture notes and supplementary materials available online at:
<https://canvas.ucsd.edu/courses/33821/>

Discussions: TBD — on Zoom
Scheduled as needed.

Grades	Letter Grade	S/U
	40% Project	50% Project
	40% Notes	50% Participation
	20% Participation	

Content: This course focuses on disks and their dynamics. We will discuss the structure and dynamics of both Keplerian and self-gravitating disks. We will emphasize accretion, implications for planet formation along with galactic structure, especially spirals.

This course will evolve into a new Astrophysics course on dynamics complementary to existing courses on Galaxy Formation and Astrophysical Fluids.

Background: A strong background in basic classical physics is required. Some familiarity with fluid dynamics is helpful.