

Student Tutorial
6 December, CTICC

29th International Texas Symposium on Relativistic Astrophysics

3 – 8 December 2017
CTICC
CAPE TOWN
SOUTH AFRICA
www.texas2017.org



Student Tutorial: Wednesday 6 December 2017 • 19h00 – 21h00 • Auditorium 2, CTICC, Cape Town

Preparing Future Faculty: How to Teach a Large Lecture Course in Physics and Astronomy

by **Alex Filippenko**: Professor of Astronomy, Richard and Rhoda Goldman Distinguished Professor in the Physical Sciences, University of California, Berkeley

Prof Filippenko will

- present tips and techniques for improving storytelling, personalizing lectures, and showing passion.
- discuss various methods for increasing overall student interest and involvement.
- demonstrate the “think-pair-share” method of interactively engaging students by having them answer questions before and after discussion with others.

More about Prof Alex Filippenko

Alex Filippenko has taught Astronomy C10 (“Introduction to General Astronomy”), one semester per year for the past 31 years at the University of California, Berkeley. His class is one of the most popular on campus (roughly 1/6 of all students take it), with an enrollment of about 800 (other instructors typically have 100-200).

Students have voted it as the “Best Class” on campus several times, and Alex as the “Best Professor” a record 9 times.



Alex has won the campus Distinguished Teaching Award, as well as the campus Noyce Prize for Excellence in Undergraduate Teaching. He also won the Richtmyer Award of the American Association of Physics Teachers, and he was named the 2006 Carnegie/CASE National Professor of the Year among doctoral institutions. In 2010, he was awarded the Astronomical Society of the Pacific’s Richard H. Emmons Award for Excellence in College Astronomy Teaching.

Photo Courtesy of Cape Town



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