Ckffk g k	Course Rationale: -of- first-year graduate and senior undergraduate students majored in Astronomy. OOM is unique in that it fills the gap in the current course system on the training of order-of-magnitude calculations and cultivating astrophysical intuitions. It is also orthogonal and complementary to the objectives of other regular courses that cover one particular research area each, in hopes of training the students to be able to apply what they learnt from regular courses to real-world astrophysical problems and gain the whole physical picture while doing fast calculations. Course Objective: 1. Extracting the key physical pictures of complex astrophysical problems 2. Building simplified toy models based on the key physical processes in the problems. 3. Calculating the value of key physical quantities using order-of-magnitude calculations. Course Content: The lecturer will select one astrophysical problem in a particular research area, and lead the students to analyze the problem while doing order-of-magnitude calculations.				
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xc kffk	50%	(50%)			

Pass $>= 60$ Fail < 60

The final score of each student includes two parts, one is the course report on an OOM problem that the student will design and solve him or herself independently,

during the discussions in the classroom.

The grading is as follows: Pass: $>= 60$; Fail: < 60

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