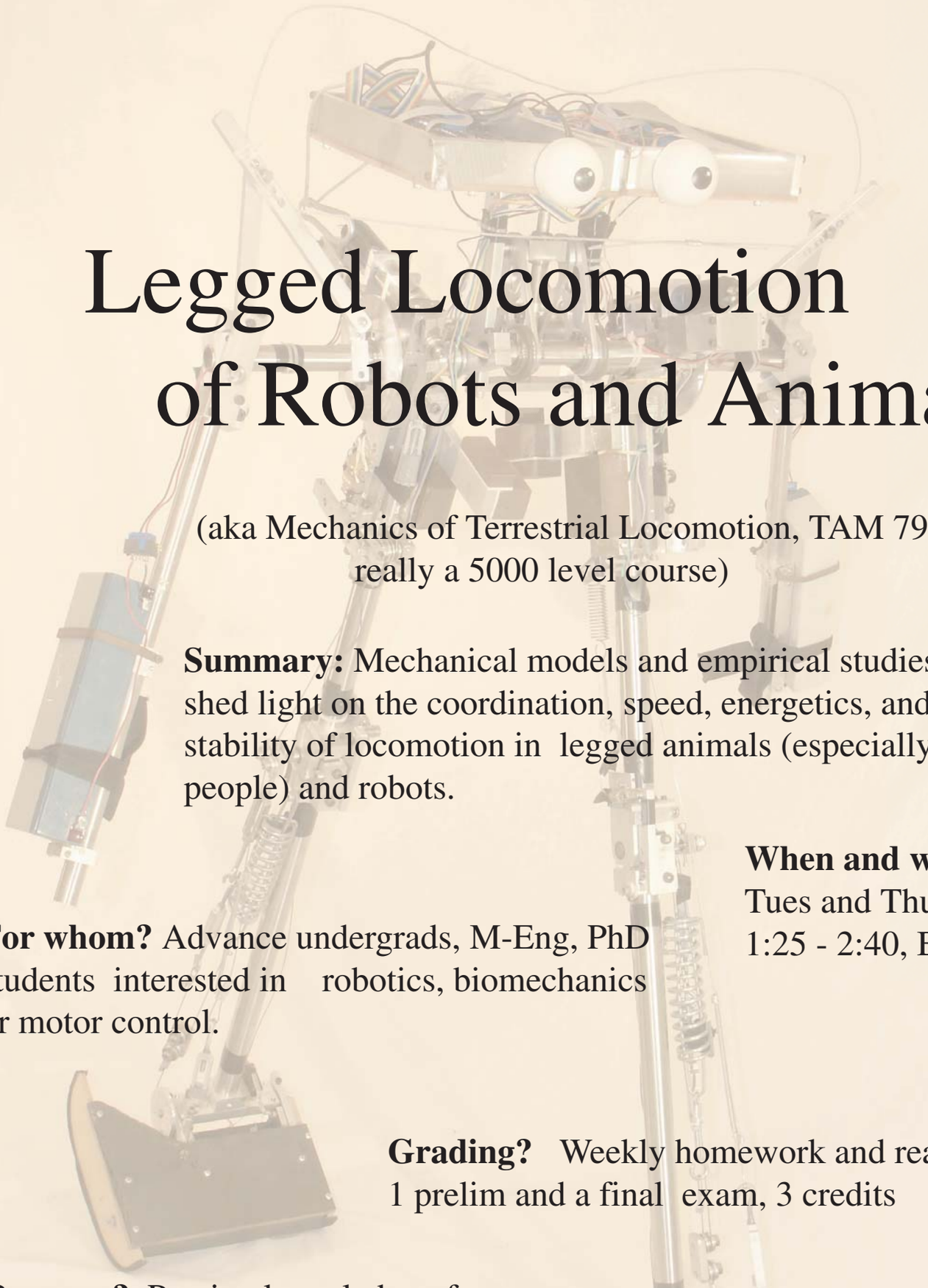
New(ish) course:

Prof Andy Ruina



Legged Locomotion of Robots and Animals

(aka Mechanics of Terrestrial Locomotion, TAM 7960, really a 5000 level course)

Summary: Mechanical models and empirical studies that shed light on the coordination, speed, energetics, and stability of locomotion in legged animals (especially people) and robots.

When and where?
Tues and Thurs
1:25 - 2:40, Bard 140

For whom? Advance undergrads, M-Eng, PhD students interested in robotics, biomechanics or motor control.

Grading? Weekly homework and readings, 1 prelim and a final exam, 3 credits

Pre-reqs? Passing knowledge of, or willingness to learn quickly, elements of dynamics (2D rigid-body), ODEs, linear algebra, Matlab.

More info? 1) google 'Cornell robotics', first hit, click on courses
2) google 'ruina', first hit, click on this course