

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

PHYSICS 101

LECTURE 1

MECHANICS

1. Kinematics

2. Dynamics

3. Energy

4. Momentum

5. Rotational Motion

6. Oscillations

7. Waves

8. Relativity

9. Quantum Mechanics

10. Modern Physics

11. Astrophysics

12. Cosmology

13. Particle Physics

14. Nuclear Physics

15. Biophysics

16. Environmental Physics

17. Plasma Physics

18. Fluid Dynamics

19. Statistical Mechanics

20. Thermodynamics

21. Optics

22. Acoustics

23. Electromagnetism

24. Electricity

25. Magnetism

26. Electrodynamics

27. Quantum Electrodynamics

28. Quantum Field Theory

29. String Theory

30. General Relativity