

Course outline for (103 Physics)

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English Ref: Physics for Scientists and Engineers 6th Edition
Raymond A. Serway

Chapter	Title	Section
1	Physics and measurement	1.1, 1.4, 1.5
2	Motion in One Dimension	2.1, 2.2, 2.3, 2.5, 2.6
3	Vectors	3.1--to--3.4
4	Motion in Two Dimensions	4.1--to--4.5
5	The Laws of Motion	5.1--to--5.8
6	Circular Motion and Other Applications of Newton's Laws	6.1
7	Energy and Energy Transfer	7.2--to--7.8
8	Potential Energy	8.1--to--8.5
9	Linear Momentum and Collisions	9.1--to--9.4
10	Rotation of a Rigid Object About a Fixed Axis	10.1--to--10.8

Arabic Ref:

الفيزياء العامة للجامعات (الميكانيكا)
تأليف: د. خضر محمد الشيباني ، د. أسامة أحمد العاني

Marks distribution:

Assessment	Proportion of Final Assessment
Exam I	15%
Exam II	15%
Final exam	40%
Lab work(lab reports and exams)	30%

Total =100 marks

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