



Jordan University of Science and Technology
Faculty of Science & Arts
Physics Department

PHY101A General Physics(1)

First Semester 2017-2018

Course Catalog

3 Credit Hours. يغطي هذا المساق الميكانيكا : حركة الأجسام، الخواص الميكانيكية للأجسام الصلبة، درجة الحرارة والديناميكا الحرارية، الموائع، الاهتزازات، الأمواج

Text Book

Title	Physics for Biology and Pre-Medical Students
Author(s)	Burns & MacDonald
Edition	2nd Edition
Short Name	1
Other Information	

Course References

Instructor	
Name	Prof. Akram Rousan
Office Location	PH3 L1
Office Hours	Sun : 08:30 - 10:30 Mon : 09:00 - 11:00 Tue : 11:30 - 12:30 Wed : 11:30 - 12:30 Thu : 13:30 - 14:30
Email	akram@just.edu.jo

Class Schedule & Room

Section 1:
Lecture Time: Mon, Wed : 13:00 - 14:30
Room: NF40

Tentative List of Topics Covered		
Weeks	Topic	References
Weeks 1, 2	Motion in one dimension and vectors	From 1
Weeks 3, 4	Motion in two dimensions, Newton's laws of motion	ch.4 and ch.5 From 1
Weeks 5, 6	Friction, Work & Energy, Rotational motion	ch. 5, ch.6 From 1
Weeks 7, 8	Equilibrium, Mechanical properties of solids	ch. 6 From 1
Weeks 9, 10	Temperature and Heat, Laws of Thermodynamics	ch. 7, ch.8 From 1
Weeks 11, 12	Fluid mechanics	ch.9 From 1
Weeks 13, 14	Vibrations	ch.10 From 1
Weeks 15, 16	Waves	ch.11 From 1

Relationship to Program Student Outcomes (Out of 100%)										
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)

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