

المواضيع المطلوبة في الامتحان التنافسي للمتقدمين للدراسات العليا /
الماجستير في قسم الفلك والفضاء للعام الدراسي ٢٠١٦-٢٠١٧

Reference	Subject	ت
(Optics) by Francis Weston Sears	Optics	١
(Introduction to Quantum Mechanics) by A.C. Phillips	Quantum Mechanic	٢
(Introduction to Wave Phenomena) Akira Hirose and Kal E. Ionngren	Wave Physics	٣
(Tools of Radio Astronomy) by T.L.Wilson and K.Rohlfs	Radio Astronomy	٤
(Extragalactic Astronomy and Cosmology) An Introduction by Peter Schneider ٢٠٠٦	Galaxies	٥
(Orbital Motion) by A.E,Roy ١٩٩٨	Satellites	٦
Digital Image Processing) by (Rafael.C.Gonzalez	Digital Image Processing	٧
(Fundamentals Astronomy) Karttunen ٢٠٠٣	Fundamentals of Astronomy	٨
(Astronomy Principle and Practice) by A.E.Roy and D.Clarke (ch.١-٩)	Celestial Mechanics	٩
Introduction to Atomic and Nuclear Physics By Henery Semat & John R. Albert الفيزياء الذرية ج١، ج٢ د. طالب ناهي الخفاجي ود. عباس حمادي ود. هرمز موسى	Atomic Physics	١٠

المواضيع المطلوبة في الامتحان التنافسي للمتقدمين للدراسات العليا /
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(Introduction to Wave Phenomena) Akira Hirose and Kal E. Ionngren	Wave Physics	١
(Extragalactic Astronomy and Cosmology) An Introduction by Peter Schneider ٢٠٠٦	Galaxies	٢
(Basic of Radio Astronomy for the Goddstone Apple VallyRadio Telescope) by Diane F.Miller	Advanced Radio Astronomy	٣
(Astronomy) A. Beginner's Guide to the universe Chdisson Mc M illea	Advanced Cosmology	٤
(An Introduction to Modern Galactic Astrophysics and Cosmology) Bradly W. Carrol and Dal A.Ostlic	Advanced Astronomy	٥
Detectors lecture of Astronomy ٢٠٣/٤٠٣ ١٩٩٩, Soho Extreme Ultraviolt Imaging Telescope, and Soho EIT Telescope	Optical and non Optical Astronomy	٦
(Computer Processing of Remotely-Sensed Images) An Introduction Fourth Edition Paul M.Mather and Magaly Koch	Advanced Remote Sensing	٧
Introduction to Fourier optics second edition Joseph W.Goodman	Fourier Optics	٨
The Earths ionosphere: Plasma physics&Electrodynamics By Michael C.Kelley ٢٠٠٩,Earth Magnetosphere, ١ st Edition Formed by the Low –Latitude Boundary Layer .W Heikkila Release	Ionosphere and Magnetosphere	٩