**Online Astronomy & Astrophysics Learning Material**

**Distance Learning:**

UNISA Honours and undergraduate BSc Astronomy - <http://www.unisa.ac.za/qualifications/index.asp?link=http://www.unisa.ac.za/qualifications/Qualifications/p_04561.html>, <http://www.unisa.ac.za/Default.asp?Cmd=ViewContent&ContentID=1642>

UCLAN Astronomy etc- <http://www.studyastronomy.com/index.php>, ongoing degree programme, £425/£475 per 20 credit module (University Certificate in: Astronomy, Cosmology or Astrobiology / BSc, CertHE or DipHE)

OU Astronomy - <http://www3.open.ac.uk/study/undergraduate/course/s282.htm#course-content>, fees TBC, registration 21/03/13 for 05/10/13 start date, SA not listed but surely possible? Note that the course is to be run for the last time as of October 2014.

OU Astrophysics - <http://www3.open.ac.uk/study/undergraduate/course/s382.htm>, fees TBC, registration 21/03/13 for 08/02/2014 start date, SA not listed but surely possible? Note that the course is to be run for the last time as of October 2016.

OU Planetary Science - <http://www3.open.ac.uk/study/undergraduate/course/s283.htm>, fees TBC, registration 21/03/13 for 05/10/2013 start date, SA again not listed but surely possible? Note that the course it to be run for the last time as of October 2018.

LJMU Astronomy etc - <http://www.astro.ljmu.ac.uk/distance>, <http://www.astronomy.ac.uk/>, single (12 credit) module costs £350, double (24 credit) module costs £700.

Swinburne Astronomy Online Degrees- <http://astronomy.swin.edu.au/sao/prospective/whatissao.xml>, 1750 AUD per unit; 4, 8 and 12 unit certificate/ degree options

Oxford University Exploring the Universe - <http://www.conted.ox.ac.uk/courses/details.php?id=F990-1&Category=100>, fees start from £210

**Podcasts/ iTunesU material:**

Jodcast – <http://www.jodcast.net/>, (see also iTunes)

Naked Astronomy - <http://www.thenakedscientists.com/HTML/podcasts/astronomy/>, (see also iTunes)

UCTV - <http://www.uctv.tv/search-moreresults.aspx?catSubID=25&podcasts=yes>, (see also iTunes)

McGill - <http://www.astro.physics.mcgill.ca/podcasts.php>, (see also iTunes)

Astronomy Cast - <http://www.astronomycast.com/>, (see also iTunes)

CfA Observatory nights (see iTunes)

The University of Arizona misc podcast series (see iTunes)

Open University Astronomy (see iTunes)

Open Yale Courses: <http://oyc.yale.edu/astronomy/astr-160>, video/ audio material (see also iTunes)

Astronomy UC Berkley (see iTunes)

Astronomy 001 Penn State (see iTunes)

Florida Institute of Technology Astronomy & Astrophysics Public Lecture Series (see iTunes)

Astrophysics & Supercomputing Swinburne - <http://astronomy.swin.edu.au/outreach/> (directs to iTunes)

**Apps/ software:**

Google Earth (includes Google Sky, Mars and Moon) - <http://www.google.com/earth/index.html>

Stellarium: <http://www.stellarium.org/>, similar to Google Sky but specifically designed for planets

Chromoscope - <http://www.chromoscope.net/> , really cool multi-wavelength view of the galaxy

Miscellaneous iTunes software such as APOD, Planets etc

**Handy online resource material:**

NRAO radio astronomy course - <http://www.cv.nrao.edu/course/astr534/ERA.shtml>

NMSU lab exercise material etc - <http://astronomy.nmsu.edu/geas/oview/labs.shtml>

**General interest webpages:**

<http://assa.saao.ac.za/> - Astronomical Society of SA (weather, radar, general info and links)

<http://www.skyandtelescope.com/> - amateur astronomy

<http://astronomy.com/> - general interest

<http://www.astrosurf.com/cidadao/animations.htm> - animations of the lunar phases etc

<http://coolcosmos.ipac.caltech.edu/cosmic_classroom/multiwavelength_astronomy/multiwavelength_astronomy/> - very cool multi-wavelength images of planets and sun etc

<http://apod.nasa.gov/apod/astropix.html> – Astronomy Picture of the Day

<http://www.hubblesite.org/> - very cool picture gallery from HST

<http://www.nasa.gov/> - generally interesting, lots of resources

<http://marsrovers.jpl.nasa.gov/home/> - cool for Mars exploration

<http://www.space.com/> - general interest

<http://www.spacedaily.com/> - latest news in space science

<http://www.ska.ac.za/meerkat/kat7.php> – KAT-7, MeerKAT and SKA public accessible information

<http://www.skatelescope.org/> - SKA formal information

<http://www.saao.ac.za/> - SAAO details etc

<http://www.planetarium.co.za/> - Johannesburg planetarium website

<http://www.astronomyafrica.com/main_edu_training.html> - three-day, three-night training course developed specifically for game rangers/field guides, professional tour guides and hospitality industry staff, R1450.

<http://www.seben.za.net/alphabetical-list/a/astronomer> - career prospects and general details on what it means to be an astronomer

<http://www.sciencebuddies.org/science-fair-projects/science-engineering-careers/Astro_astronomer_c001.shtml#whatdotheydo> – same as above