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Narrabundah College

**Course : [onshow.course\_name] (T) Unit: [onshow.unit\_name]**

**SESSION: [onshow.session\_num] YEAR: [onshow.year] [onshow.session\_pts] Standard Unit**

### **Class: [onshow.class\_num] Teacher: [onshow.teacher\_name]**

## Specific Unit Goals

* [unit\_goals.text;block=tbs:p]

## Content

* Introduction to the universe - The solar system and beyond, including a comparison of relative distances; Stellar radiation and stellar types - energy source, luminosity, Wien’s law and the Stefan–Boltzmann law, stellar spectra, types of stars, Hertzsprung–Russell diagrams.
* Stellar distances - parallax method, absolute and apparent magnitudes, spectroscopic parallax, Cepheid variables.
* Cosmology - Olbers’ paradox, Big Bang model, and the development of the universe. Stellar processes and stellar evolution – Nucleosynthesis, Galaxies and the expanding universe.
* Galaxies and the expanding universe - Galactic motion, Hubble’s law.

## ASSESSMENT ITEMS

|  |  |  |
| --- | --- | --- |
| **Item** | **Weighting** | **Due** |
| [assessment.name; block=tbs:row] | [assessment.weight] | [assessment.due] |
| **TOTAL** | **100 %** |  |

# ASSESSMENT POLICY

There are a number of ACT Board of Senior Secondary Studies (BSSS) requirements that students must meet to be assessed in a unit and be awarded scores and/or grades. These requirements also ensure consistent procedures across the college and the system. Notably these include minimum attendance and completion of assessment task requirements. There are also detailed penalties for late or plagiarised work. Assessments are subjected to rigorous moderation procedures within the college to ensure comparability of marking and, at the end of Year 12, college marks are scaled to allow comparability across the ACT system. Grades are allocated on the basis of student performance against set criteria that are available in course framework documents. Students are encouraged to consider carefully the marks and feedback given on assessments and, if there are issues with marking, the college has open and transparent appeals procedures. Further details of these assessment policies and procedures are located on the college’s website under the *Students* tab [http://www.narrabundahc.act.edu.au](http://www.narrabundahc.act.edu.au/).

**Assessment Criteria**

Students will be assessed on the degree to which they demonstrate:

knowledge and understanding, critical thinking, investigative skills, communication skills and effective work practices.