Mendocino College

COURSE LEVEL STUDENT LEARNING OUTCOMES

Term Effective:	Spring (Semester)	2008 (Year)

Title: Stellar Astronomy *(limit to 50 characters including spaces)*

Course Number: AST 203

Initiator: Gerald Debane

Date Submitted: 12/10/2007

Units Min: 3.00

Units Max: 3.00

If this is a variable unit course, then the relationship between units and any difference in expected SLO's should be explained.

Lecture Hours: 3.00 to 3.00

Lab Hours: 0.00 to 0.00

Activity Hours: 0.00 to 0.00

Student Learning Outcomes: *(Enter the SLO's in an outline format. Use the Ctrl + Tab keys to indent for subtopics.)*

1. Students will know some of the relationships between ancient and modern astronomy.
2. Students will know the Hertzsprung- Russell Diagram for normal stars.
3. Students will understand the full cycle of evolution of stars from Protostars to White Dwarfs.
4. Students will know how the remnants of the Supernovae process implants the universe with metals.
5. Students will know the Hubble Law governing the expansion of the galaxies.
6. Students will know the process of expansion of the Universe which appears to be governed by Dark Energy.
7. Students will know the quantum physics that governs the first moments of the creation of the universe.
8. Students will know Cosmology and possible futures of the universe.

SIGNATURES / APPROVALS:

Instructor(s) _____ Signature _____ Date

Instructor(s) _____ Signature _____ Date