

# AST: Astronomy Courses

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## Courses

### **AST 1002 Descriptive Astronomy**

College of Sci and Engineering, Department of Physics

3 sh (may not be repeated for credit)

Introductory astronomy. Basic astronomical concepts; gravitation and other cosmic forces; planets, moons, and other components of the solar system; nature and evolution of the sun and of other stars; structure of galaxies and of the universe as a whole. Credit may not be received in both AST1002 and AST3033. Meets General Education requirement in Natural Sciences.

### **AST 2037 Life in the Universe**

College of Sci and Engineering, Department of Physics

3 sh (may not be repeated for credit)

This astronomy-based course contemplates the possibilities of life elsewhere in our solar system and the universe through a multidisciplinary science approach. Conditions for life to form and the likelihood that such conditions may exist elsewhere in the universe are discussed. Also considered are schemes proposed for the search for extraterrestrial intelligence (SETI). Meets General Education requirement in Natural Sciences.

### **AST 3222 Introduction to Astrophysics**

College of Sci and Engineering, Department of Physics

3 sh (may not be repeated for credit)

Prerequisite: [MAC 2311](#) AND [PHY 2048](#)

Co-requisite: [PHY 2049](#)

Comprehensive survey of the universe and its appearance from earth. Seasons, tides, eclipses. The solar system, stellar evolution and galaxies. Quasars, pulsars, black holes.

### **AST 3905 Directed Study**

College of Sci and Engineering, Department of Physics

1-12 sh (may be repeated indefinitely for credit)