



LEARNING OUTCOMES	LEARNING ACTIVITIES	EVALUATION METHODS
2. Explain the role of constellations and the concepts and terminology associated with the celestial sphere.	Lecture/Discussion Laboratory Exercises Telescope, Binocular and Other Night Sky Observations Field Trip to Local Planetarium Observational Journal Sketching	Laboratory Exercises





Spangler, Kelli. AST 120 Lab Manual 2011.

Other learning materials may be required and made available directly to the student and/or via the \_\_\_\_\_ and/or course management system.

#### COURSE APPROVAL:

Prepared by: Dr. Peter J. Bachmann	Date: 4/1997
Revised by: Dr. Peter J. Bachmann	Date: Summer 2004
Revised by: Kelli Spangler, Lecturer of Astronomy	Date: 2/10/2009
Revised by: Kelli Spangler	Date: Spring 2011
Interim VPAA/Provost Compliance Verification: Victoria L. Bastecki-Perez, Ed.D.	Date: 5/17/2011
Revised by: Kelli Spangler	Date: 6/2012
VPAA/Provost or designee Compliance Verification: Victoria L. Bastecki-Perez, Ed.D.	Date: 6/19/2012
Revised by: Kelli Spangler	Date: 8/2013
VPAA/Provost or designee Compliance Verification: Victoria L. Bastecki-Perez, Ed.D.	Date: 8/7/2013
Revised by: Debbie Dalrymple	Date: 11/13/2017
VPAA/Provost or designee Compliance Verification: Victoria L. Bastecki-Perez, Ed.D.	Date: 12/18/2017
Revised by: Kelli Spangler	Date: 6/7/2023
VPAA or designee Compliance Verification:	Date: 6/7/2023



*was developed, approved and will be delivered in full compliance with the policies and procedures established by the College.*