

**Collin College - Continuing Education**  
**COURSE SYLLABUS**

<b>COURSE INFORMATION</b>
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**Course Number:** PHOT 7015

**Course Title:** Introduction to Astrophotography

**Course Description:** Using your dSLR camera to capture beautiful, out-of-this-world night sky images.

**Suggested Course Prerequisite(s):** Digital Photography - Basics – dSLR, or equivalent experience. Familiarity with shooting in camera manual mode.

**Course Resources:** Textbook(s): N/A  
The Backyard Astronomers Guide by Terence Dickinson; Firefly Books, 978-1554073443

**Student Learning Outcomes:**

Demonstrate techniques for capturing astronomical images using manual camera settings utilizing understanding of basic astronomy concepts and sky mechanics. RAW image processing of night images with Lightroom and star alignment and stacking programs.

**Certification Notes:** N/A

**Next course recommendation:** N/A

**Lesson Plan – by week or session:**

**Session 1:** Introduction to basic astronomical concepts. Demonstration of equipment and software options.

**Session 2:** Camera set up; review manual operation.

**Session 3:** Capture images. Lightroom process basics for RAW images; export to Photoshop, DeepSkyStacker or StarStax.

**Session 4:** Lightroom processing of images captured in session 3; stacking and alignment.

**Session 5:** Outside shooting (location to be determined)

**Session 6:** Student presentations of class project images. Discuss progression into time lapse, tracking equipment.

**Course Sessions:** Listed are guidelines to indicate all topics that will be covered during your course. Do not plan your personal calendar based on these sessions. Your instructor will give you a calendar for your class that will indicate specific topics, assignments, and days.

**Method of Evaluation:** Unless otherwise stated, course completion is evaluated on the basis of attendance.

Students must be in attendance 90% of the class time in order to be considered a successful completer of the course.

Students must be in attendance 90% of each course in a certificate series for successful completion and to earn a certificate as specified.

Students must complete all courses (core and no. of elective courses needed) to complete a certificate series within two years from start date of the first course taken.

**Refund Policy:** Please refer to [www.collin.edu/ce/inforegistrar.html](http://www.collin.edu/ce/inforegistrar.html) for our refund policy. No refunds after the start time of the first class.

**Americans with Disabilities Act:**

Collin College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal opportunity. It is the student's responsibility to contact the ACCESS office, SCC-D140 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate accommodations. See the current Collin Student Handbook for additional information.