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**NORTHEAST IOWA  
COMMUNITY COLLEGE**

*Northeast Iowa Community College provides in-demand education and training focused on improving lives, driving business success and advancing community vitality.*

## **PHS 142 60100 Prin of Astronomy**

**Fall 2021**

**Delivery Method:**

- Online - Z Courses

**Meet Days/Times/Location:**

- Online; ONL

**Start and End Dates:**

- 10/19/2021 - 12/13/2021

**Academic Department:** Liberal Arts, Science and Business

## **Required Materials**

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**This course using QER materials, so there is no need to purchase a text.**

## **Course Information**

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**Course Description:** Studies the elements of the solar system: planets, their moons, comets, asteroids and the sun as well as stars, galaxies, history of the universe, astronomical equipment,

spectroscopy and others. Presents astronomical principles in lecture at a low level of mathematical difficulty. Laboratory demonstrations are used to enhance lecture material.

**Major Course Objective:**

Upon completion of the course, the student will have fundamental understanding of our solar system and its elements, stars and their life history, galaxies, and the origin and history of the universe. The student will be able to apply these concepts both during classroom discussions or in an optional lab setting. The course will also enhance a student's perception of the universe, allow the student to view the night-time sky with greater enjoyment, and foster a better understanding of the nature of science.

**Primary Common Learning Outcome Assessed:** Critical Thinking

**Educational Learning Outcomes:**

- Our Place in the Universe
- The Solar System
- About Stars and Celestial Surveying
- Life History of a Star
- Galaxies and the History of the Universe

## Grading Procedures and Scale

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Grade	Grading Scale by Percent of Total Points <i>Ex. (94 - 100%)</i>	Grading Scale by Points <i>Ex. (940 - 1000+)</i>
A	93-100	
A-	90-92	
B+	88-89	
B	83-87	
B-	80-82	
C+	78-79	
C	73-77	
C- (or P)	70-72	
D+		

D	60-69	
D-		
F (or NP)	0-59	

	# of Assignments	Points / Percentage
<b>Chapter Assignments</b>	8	20%
<b>Discussions</b>	8	20%
<b>Quizzes</b>	8	60%
<b>Total Points possible</b>		100%

## Course Calendar

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Here is an outline of what to expect for activities & assignments during your course. You will also find interactive weekly checklists that will help you navigate these tasks each week. Detailed instructions for assignments are available in the weekly content. Weeks run Tuesday-Monda

Due Date	Assignment	Lesson	Point Value	Program Learning Outcome	Common Learning Outcome
10-25	HW & Discussions	Week One: Introduction to Astronomy	50	Understanding the physical sciences	Critical Thinking
10-25	Quiz 1	Week One: Introduction to Astronomy	100	Understanding the physical sciences	Critical Thinking
11-1	HW & Discussions	Week Two: Properties of Motion & Light	50	Understanding the physical sciences	Critical Thinking
11-1	Quiz 2	Week Two: Properties of Motion & Light	100	Understanding the physical sciences	Critical Thinking

11-8	HW & Discussions	Week Three: The Earth & Moon System	50	Understanding the physical sciences	Critical Thinking
11-8	Quiz 3	Week Three: The Earth & Moon System	100	Understanding the physical sciences	Critical Thinking
11-15	HW & Discussions	Week Four: The Solar System	50	Understanding the physical sciences	Critical Thinking
11-15	Quiz 4	Week Four: The Solar System	100	Understanding the physical sciences	Critical Thinking
11-22	HW & Discussions	Week Five: The Sun	50	Understanding the physical sciences	Critical Thinking
11-22	Quiz 5	Week Five: The Sun	100	Understanding the physical sciences	Critical Thinking
11-29	HW & Discussions	Week Six: The Stellar Properties	50	Understanding the physical sciences	Critical Thinking
11-29	Quiz 6	Week Six: The Stellar Properties	100	Understanding the physical sciences	Critical Thinking
12-6	HW & Discussions	Week Seven: Galaxies	50	Understanding the physical sciences	Critical Thinking
12-6	Quiz 7	Week Seven: Galaxies	100	Understanding the physical sciences	Critical Thinking
12-13	HW & Discussions	Week Eight: Cosmology	50	Understanding the physical sciences	Critical Thinking
12-13	Quiz 8	Week Eight: Cosmology	100	Understanding the physical sciences	Critical Thinking

This calendar is a guide for activities and subject to change at faculty discretion.

## Student Course Feedback

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Prior to course completion you will receive an email providing a link to share your feedback. You are EXPECTED to complete the feedback form for each class.

## Assessment

Northeast Iowa Community College is an institution dedicated to continuous instructional improvement as part of our assessment efforts. It is necessary for us to collect and analyze course level data. Data drawn from student work for the purposes of institutional assessment will be posted in aggregate and will not identify individual students. Your continued support in our ongoing effort to provide quality instructional services at NICC is appreciated.

## College Policies

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### Attendance/Academic Engagement

(See College Handbook for more details) Regular attendance is expected. A strong relationship exists between success in college and class attendance. Absence in class interferes with the learning process and may lead to academic failure. Students should confer with the instructor immediately following an absence. When there is advance knowledge of an absence, students should discuss this with the instructor prior to the absence.

If you find that you have any trouble keeping up with assignments or other aspects of the course, make sure you let your instructor know as early as possible. As you will find, building rapport and effective relationships are key to becoming an effective professional. Make sure that you are proactive in informing your instructor when difficulties arise during the semester so that we can help you find a solution.

### Academic Integrity

Academic integrity is the commitment to and demonstration of honesty, ethics, and taking personal responsibility for your work in an academic setting. Academic integrity includes honesty, fairness, respect and responsibility. Academic integrity requires student's work to be the product of their own thought and effort, and to ensure that the intellectual contribution of others is properly documented. Academic integrity applies to all academic activities, including, but not limited to, classwork, labs, clinical field, practicum or co-op assignments. Examples of violations of academic integrity include, but are not limited to, plagiarism, cheating, lying, falsifying data, and aiding dishonesty. Violations of academic integrity are addressed according to the [Academic Integrity Policy](#), and sanctions may

include, but not be limited to, warnings (either verbal or written), grade reduction for an assignment, project or test, or a failing grade for the course. Sanctions for violations of academic integrity for a course shall be determined by the faculty member for the course. Pursuant to the Student Conduct Code, egregious or repeated violations of the academic integrity policy may result in the suspension or expulsion from a class or from the College, as determined by the College.

## Class Continuation during Campus or Center Closing

Instructional continuity is critical to the College mission and to your success in this class. As such, should a campus or center close due to weather or unforeseen circumstances, please check your Brightspace class for specific instructions and expectations from your instructor due to the campus closure.

Classes will not be canceled, and students will be expected to continue to engage in this class remotely until such a time as classes can return to normal.

For notification on campus closures, please refer to the following:

<https://www.nicc.edu/about/consumer-information/emergency-response-and-procedure/>

## Campus Emergencies

In the event of a campus emergency, an alarm will sound or an appropriate announcement will be made. An emergency response guide, building evacuation routes and severe weather shelter areas are posted in each room. Safety drills are held on a regular basis. For more information, visit campus emergencies in the college catalog.

## Course Section Policies

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### Absence/Illness

Email me if you have absences/illnesses that interfere with course deadlines and I will work with you.

### Late Work / Missing Assignments

Late work is accepted at a reduced point value, and all missing work will result in a 0% if not submitted. Please email me for details.

### Makeup Testing

All makeup testing needs to be approved in advance with me. Please email me for details.

## Classroom Conduct

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As a student in this course (and at this College) you are expected to maintain a high degree of professionalism, commitment to active learning and participation in this class; and also integrity in your behavior in and out of the classroom in which the rights, dignity, worth, and freedom of all members of the class are respected. Please refer to the [College Catalog](#) for detailed information on the [Student Conduct Code](#).

## Additional Information

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### Learning Center

The NICC Learning Centers provide tutoring assistance free of charge to any student in person Monday through Friday or virtually online with our online tutoring service 24/7 with [Upswing](#). Students are encouraged to utilize the Learning Centers in Calmar, Peosta or Dubuque.

### Access

Take advantage of the *ReadSpeaker Listen Button* to enhance understanding and comprehension of the materials in this and any syllabus within the content area. All of the materials posted in the content area of NICC Brightspace classrooms have a *Listen Button* to have the text highlighted and read for you. Listening to text read aloud is shown to improve reading comprehension.

[www.nicc.edu/readspeaker](http://www.nicc.edu/readspeaker)

### ReadSpeaker for Brightspace by D2L



### Course Copyright

All course materials students receive or to which students have online access are protected by copyright laws. Students may use course materials and make copies for their own use as needed, but unauthorized distribution and/or uploading of materials without the instructor's express written permission is strictly prohibited. Students who engage in the unauthorized distribution of copyrighted materials may be held in violation of the College's Code of Conduct, and/or liable under Federal and State laws.

## Netiquette

The term "Netiquette" refers to the etiquette guidelines for electronic communications, such as e-mail and bulletin board postings. Netiquette covers not only rules to maintain civility in discussions, but also special guidelines unique to the electronic nature of forum messages.

## Accommodation Policy

In accordance with the Americans with Disability Act, NICC ensures the accessibility of its programs, classes, and services to students with disabilities. For any questions or to apply for disability services please contact the Accessibility Services Office to set up an appointment, or visit the Accessibility Services website at: <https://www.nicc.edu/academic-support/disability-services/accommodations/> for additional information. Any student eligible for and needing academic accommodations because of a disability is requested to speak with their instructor.

Sally Mallam, M.S.

Director of Accessibility Services

844.642.2338 ext. 1258

[mallams@nicc.edu](mailto:mallams@nicc.edu)

## Statement of Non-Discrimination

It is the policy of Northeast Iowa Community College not to discriminate on the basis of race, color, national origin, sex, disability, age (employment), sexual orientation, gender identity, creed, religion, and actual or potential parental, family or marital status in its programs, activities, or employment practices as required by federal and state civil rights regulations. If you have questions, concerns or to read the full policy at: <https://www.nicc.edu/aboutnicc/nondiscriminationpolicy/>.

## Title IX: Confidentiality and Responsible Employee Statement

Northeast Iowa Community College faculty are committed to helping create a safe and open learning environment for all students. If you (or someone you know) have experienced any form of sexual misconduct, including sexual assault, dating or domestic violence, or stalking, know that help and support are available. The College strongly encourages all members of the community to take action, seek support and report incidents of sexual misconduct to the Title IX Office. Please be aware that under Title IX of the Education Amendments of 1972, I am required to disclose information about such misconduct to the Title IX Office.



If you wish to speak to a confidential employee who does not have this reporting responsibility, you can contact one of NICC's Counselors (Calmar Campus 844.642.2338, ext. 1378 / Peosta Campus 844.642.2338, ext. 2215). For more information about reporting options and resources visit [Sexual Respect and Title IX](#).

## Disclaimer

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This syllabus, along with course assignments and due dates, are subject to change. It is the student's responsibility to check the Learning Management System (Currently Brightspace) for corrections or updates to the syllabus. Any changes will be clearly noted by your instructor or listed in the course announcements or through NICC email.