

# Astronomy 9: Concepts of the Cosmos (Spring 2016)

## TENTATIVE COURSE AND READING SCHEDULE

Lecture 1      Monday      Jan. 25      Presentation of the course

**READING QUIZ #1 DUE BEFORE WEDNESDAY, JANUARY 27<sup>TH</sup>, 10 AM**

Lecture 2      Wednesday      Jan. 27      Our place in the Universe (Ch. 1)

Lecture 3      Monday      Feb. 1      Pre-course test - **REQUIRED**

**READING QUIZ #2 DUE BEFORE WEDNESDAY, FEBRUARY 3<sup>RD</sup>, 10 AM**

Lecture 4      Wednesday      Feb. 3      History of Astronomy I (Ch. 3)

**READING QUIZ #3 DUE BEFORE MONDAY, FEBRUARY 8<sup>TH</sup>, 10 AM**

Lecture 5      Monday      Feb. 8      History of Astronomy II (Ch. 3)

**READING QUIZ #4 DUE BEFORE WEDNESDAY, FEBRUARY 10<sup>TH</sup>, 10 AM**

Lecture 6      Wednesday      Feb. 10      Newton's laws (Ch. 4)

**HOMEWORK 1 DUE BEFORE SUNDAY, FEBRUARY 14<sup>TH</sup>, MIDNIGHT**

Monday      Feb. 15      NO CLASS - Presidents' Day

**READING QUIZ #5 DUE BEFORE WEDNESDAY, FEBRUARY 17<sup>TH</sup>, 10 AM**

Lecture 7      Wednesday      Feb. 17      Spectroscopy I (Ch. 5)

**READING QUIZ #6 DUE BEFORE THURSDAY, FEBRUARY 18<sup>TH</sup>, 10 AM**

Lecture 8      Thursday      Feb. 18      Spectroscopy II (Ch. 5) [Monday schedule]

**HOMEWORK 2 DUE BEFORE SUNDAY, FEBRUARY 21<sup>ST</sup>, MIDNIGHT**

**READING QUIZ #7 DUE BEFORE MONDAY, FEBRUARY 22<sup>ND</sup>, 10 AM**

Lecture 9      Monday      Feb. 22      Spectroscopy III (Ch. 5)

**READING QUIZ #8 DUE BEFORE WEDNESDAY, FEBRUARY 24<sup>TH</sup>, 10 AM**

Lecture 10      Wednesday      Feb. 24      Spectroscopy IV (Ch. 5)

**READING QUIZ #9 DUE BEFORE MONDAY, FEBRUARY 29<sup>TH</sup>, 10 AM**

Lecture 11      Monday      Feb. 29      Light and Telescopes (Ch. 5)

**READING QUIZ #10 DUE BEFORE WEDNESDAY, MARCH 2<sup>ND</sup>, 10 AM**

Lecture 12      Wednesday      Mar. 2

Lecture 13      Monday      Mar. 7      **1<sup>ST</sup> MID-TERM EXAM (CHAPTERS 1,3,4,5)**

**READING QUIZ #11 DUE BEFORE WEDNESDAY, MARCH 9<sup>TH</sup>, 10 AM**

|            |           |        |                                |
|------------|-----------|--------|--------------------------------|
| Lecture 14 | Wednesday | Mar. 9 | Properties of Stars I (Ch. 11) |
|------------|-----------|--------|--------------------------------|

---

**READING QUIZ #12 DUE BEFORE MONDAY, MARCH 14<sup>TH</sup>, 10 AM**

|            |        |         |                                 |
|------------|--------|---------|---------------------------------|
| Lecture 15 | Monday | Mar. 14 | Properties of Stars II (Ch. 11) |
|------------|--------|---------|---------------------------------|

**READING QUIZ #13 DUE BEFORE WEDNESDAY, MARCH 16<sup>TH</sup>, 10 AM**

|            |           |         |                                 |
|------------|-----------|---------|---------------------------------|
| Lecture 16 | Wednesday | Mar. 16 | Life cycles of Stars I (Ch. 12) |
|------------|-----------|---------|---------------------------------|

**HOMEWORK 3 DUE BEFORE FRIDAY, MARCH 18<sup>TH</sup>, MIDNIGHT****SPRING BREAK****READING QUIZ #14 DUE BEFORE MONDAY, MARCH 28<sup>TH</sup>, 10 AM**

|            |        |         |   |
|------------|--------|---------|---|
| Lecture 17 | Monday | Mar. 28 | Life cycles of Stars II and Stellar deaths I (Ch. 12, 13) |
|------------|--------|---------|---|

**READING QUIZ #15 DUE BEFORE WEDNESDAY, MARCH 30<sup>TH</sup>, 10 AM**

|            |           |         |                            |
|------------|-----------|---------|----------------------------|
| Lecture 18 | Wednesday | Mar. 30 | Stellar deaths II (Ch. 13) |
|------------|-----------|---------|----------------------------|

---

**HOMEWORK 4 DUE BEFORE SUNDAY, APRIL 3<sup>RD</sup>, MIDNIGHT****READING QUIZ #16 DUE BEFORE MONDAY, APRIL 4<sup>TH</sup>, 10 AM**

|            |        |        |                       |
|------------|--------|--------|-----------------------|
| Lecture 19 | Monday | Apr. 4 | The Milky Way (Ch 14) |
|------------|--------|--------|-----------------------|

**READING QUIZ #17 DUE BEFORE WEDNESDAY, APRIL 6<sup>TH</sup>, 10 AM**

|            |           |        |                   |
|------------|-----------|--------|-------------------|
| Lecture 20 | Wednesday | Apr. 6 | Galaxies (Ch. 15) |
|------------|-----------|--------|-------------------|

---

|            |        |         |  |
|------------|--------|---------|--|
| Lecture 21 | Monday | Apr. 11 | <b>2<sup>ND</sup> MID-TERM EXAM (CH. 11,12,13,14,15)</b> |
|------------|--------|---------|--|

**READING QUIZ #18 DUE BEFORE WEDNESDAY, APRIL 13<sup>TH</sup>, 10 AM**

|            |           |         |                      |
|------------|-----------|---------|----------------------|
| Lecture 22 | Wednesday | Apr. 13 | Dark Matter (Ch. 16) |
|------------|-----------|---------|----------------------|

|              |          |         |   |
|--------------|----------|---------|---|
| <b>BONUS</b> | Thursday | Apr. 14 | Seminar by O' Shaughnessy / attend this lecture to receive <b>additional 1% bonus</b> |
|--------------|----------|---------|---|

---

**HOMEWORK 5 DUE BEFORE SUNDAY, APRIL 17<sup>TH</sup>, MIDNIGHT**

|  |        |         |                          |
|--|--------|---------|--------------------------|
|  | Monday | Apr. 18 | NO CLASS - Patriots' Day |
|--|--------|---------|--------------------------|

**READING QUIZ #19 DUE BEFORE WEDNESDAY, APRIL 20<sup>TH</sup>, 10 AM**

|            |           |         |                      |
|------------|-----------|---------|----------------------|
| Lecture 23 | Wednesday | Apr. 20 | Cosmology I (Ch. 16) |
|------------|-----------|---------|----------------------|

---

**"IMPRESS-ME" PROJECT DUE BEFORE SUNDAY, APRIL 24<sup>TH</sup>, MIDNIGHT****READING QUIZ #20 DUE BEFORE MONDAY, APRIL 25<sup>TH</sup>, 10 AM**

|            |        |         |                      |
|------------|--------|---------|----------------------|
| Lecture 24 | Monday | Apr. 25 | Cosmology I (Ch. 17) |
|------------|--------|---------|----------------------|

**READING QUIZ #21 DUE BEFORE WEDNESDAY, APRIL 27<sup>TH</sup>, 10 AM**

Lecture 25      Wednesday      Apr. 27      Cosmology II (Ch. 17)

**HOMEWORK 6 DUE BEFORE SUNDAY, MAY 1<sup>ST</sup>, MIDNIGHT**

Lecture 26      Monday      May. 2      Post-course test - **REQUIRED**

**FINAL EXAM: MONDAY, MAY 9, 2016**

**12:00 PM - 2:00 PM**

**LOCATION: TBD**