

Preliminary Course Syllabus

Wednesday, Jan. 4 (15 GMT), Sun at Perigee

Saturday, Jan. 14 (0948 GMT), Moon Full

Tuesday, Jan. 17 (19 GMT), Moon at Apogee

Jan. 17, 19



Birth of Astronomy/Getting Started

Prepare: Evans: Chapter §§1.1-1.8
Duncan: Introductions and Chapter 1

Observations: Evans §§1.2, 1.7 in notebook

Assignments: Evans §1.5 in notebook, timelines
Make/use a shadow table (see §§1.5, 1.13)
before, on, & after the equinox

Sunday, Jan. 22 (1514 GMT), Moon Third Quarter

Friday, Jan. 27 (23 GMT), Saturn at Opposition

Jan. 24, 26

Birth of Astronomy (cont'd)

Prepare: Evans: Chapter §§1.9-1.18; Duncan: Chaps. 2 & 3
Zodiacal constellations

Observations: Evans §§1.11, 1.16 in notebook

Assignments: Evans §§1.13, 1.15, 1.18 in notebook
Choose culture/calendar of interest

Sunday, Jan. 29 (1415 GMT), Moon New

Monday, Jan. 30 (08 GMT), Moon at Perigee

Jan. 31, Feb. 2



Celestial Sphere

Prepare: Evans: Chapter §§2.1-2.8; Duncan: Chaps. 4 & 5
Aristotle: extracts from *On the Heavens*

Observation: Evans §2.8 in notebook

Assignments: Evans §§2.3, 2.7 in notebook
Culture/calendar paper proposal written,
corrected & critiqued, due 2/9

Sunday, Feb. 5 (0629 GMT), Moon First Quarter

Feb. 7, 9

Celestial Sphere (cont'd)

Prepare: Evans: Chapter §§2.9-2.17; Duncan: Chaps. 6 & 7

Observation: Equinox; Evans §2.17 in notebook

Assignments: Formal write-up of §1.18 due 9/20
Evans §§2.10, 2.12, 2.14 in notebook

Monday, Feb. 13 (0444 GMT), Moon Full

Tuesday, Feb. 14 (01 GMT), Moon at Apogee

Feb. 14, 16

Applications of Spherics

Prepare: Evans: Chapter §§3.1-3.4; Duncan: Chaps. 8 & 9

Observation: Night Sky Observations with Prof. Manley
Aratus: *Phenomena*

Assignments: Evans: §§3.3-3.4 in notebook
Notebook check: notebooks due 2/21

Tuesday, Feb. 21 (0717 GMT), Moon Third Quarter

Feb. 21, 23



Applications of Spherics (cont'd)

Prepare: Evans: Chapter §§3.5-3.8; Duncan: Chaps. 10 & 11
Janus astrolabe instructions

Assignments: Submit finished sundial 2/28
Evans: §§3.6, 3.8 in notebook

Friday, Feb. 24 (05 GMT), Mercury at Greatest E Elongation

Monday, Feb. 27 (20 GMT), Moon at Perigee

Tuesday, Feb. 28 (0031 GMT), Moon New

Feb. 28, Mar. 2



Calendars and Time Reconciling

Prepare: Evans: Chapter §§4.1-4.6; Duncan: Chaps. 12 & 13

Assignments: Evans: §§4.2, 4.4 in notebook
Culture paper due 3/9

	<i>Sunday, Mar. 5 (00 GMT), Jupiter Stationary</i> <i>Monday, Mar. 6 (2016 GMT), Moon First Quarter</i>
Mar. (7), 9	Calendars and Time Reconciling (cont'd) <i>Prepare:</i> Evans: Chapter §§4.7-4.12; Duncan: Chaps. 14 & 15 <i>Assignments:</i> Evans: §§4.6, 4.8, 4.12 in notebook Submit finished astrolabe with your plate 3/14
	<i>Monday, Mar. 13 (02 GMT), Moon at Apogee</i> <i>Tuesday, Mar. 14 (2335 GMT), Moon Full</i>
Mar. 14, 16	Calendars and Time Reconciling (cont'd) MID-TERM EXAM
	<i>Monday, Mar. 20 (1826 GMT), Vernal Equinox</i> <i>Wednesday, Mar. 22 (1911 GMT), Moon Third Quarter</i> <i>Saturday, Mar. 25 (07 GMT), Venus at Greatest W Elongation</i>
	----- SPRING VACATION -----
	<i>Tuesday, Mar. 28 (07 GMT), Moon at Perigee</i> <i>Wednesday, Mar. 29 (1015 GMT), Moon New</i>
Mar. 28, 30	Solar Theory <i>Prepare:</i> Evans: Chapter §§5.1-5.6 Ptolemy: Extracts from the <i>Almagest</i> <i>Assignments:</i> Evans: §§5.4, 5.6 in notebook <i>Wednesday, Apr. 5 (1201 GMT), Moon First Quarter</i> <i>Wednesday, Apr. 5 (12 GMT), Saturn Stationary</i> <i>Saturday, Apr. 8 (19 GMT), Mercury at Greatest W Elongation</i>
Apr. 4, 6	Solar Theory (cont'd) <i>Prepare:</i> Evans: Chapter §§5.7-5.10 <i>Assignments:</i> Evans: §§5.8, 5.10 in notebook <i>Tuesday, Apr. 9 (13 GMT), Moon at Apogee</i> <i>Thursday, Apr. 13 (1640 GMT), Moon Full</i>
Apr. 11, 13	The Fixed Stars <i>Prepare:</i> Evans: Chapter §§6.1-6.10 <i>Observation:</i> Evans §6.3 in notebook <i>Assignments:</i> Evans: §§6.5, 6.7 in notebook <i>Friday, Apr. 21 (0328 GMT), Moon Third Quarter</i>
Apr. 18, 20	Planetary Theory <i>Prepare:</i> Evans: Chapter §§7.1-7.14 <i>Observation:</i> Evans §7.3 in notebook <i>Assignments:</i> Evans: §§7.5, 7.8, 7.14 in notebook Calendar paper due 4/25
☆	<i>Tuesday, Mar. 25 (11 GMT), Moon at Perigee</i> <i>Thursday, Apr. 27 (1944 GMT), Moon New</i>
Apr. 25, 27	Planetary Theory (cont'd) <i>Prepare:</i> Evans: Chapter §§7.15-7.22 <i>Assignments:</i> Evans: §§7.16, 7.18, 7.22 in notebook <i>Thursday, May 4 (15 GMT), Jupiter at Opposition</i> <i>Sunday, May. 7 (07 GMT), Moon at Apogee</i> <i>Friday, May 5 (0513 GMT), Moon First Quarter</i>
May. 2	Planetary Theory (cont'd) <i>Prepare:</i> Evans: Chapter §§7.23-7.31 <i>Assignments:</i> Evans: §§7.19, either 7.23, 7.22 or 7.28 Notebooks, indexed with TOC due 5/5
May 5, 4:00 pm	FINAL EXAM (Friday)

