Syllabus

ASTRONOMY & HISTORIOGRAPHY IN ANE - 42457

Last update 21-02-2014

**HU Credits:** 2

**Degree/Cycle:** 1st degree (Bachelor)

**Responsible Department:** Archaeology and Ancient Near East

**Academic year:** 1

**Semester:** 2nd Semester

**Teaching Languages:** Hebrew

**Campus:** Mt. Scopus

**Course/Module Coordinator:** Wayne Horowitz

**Coordinator Email:**

**Coordinator Office Hours:** Sunday 15:00-16:00

**Teaching Staff:**
   Prof Wayne Horowitz
Course/Module description:
Introduction to the history and source for the Astronomy of the Ancient Near East.

Course/Module aims:
To learn about the Astronomical traditions of the cuneiform corpus.

Learning outcomes - On successful completion of this module, students should be able to:
Make use of the sources in their own research.

Attendance requirements(%):
0

Teaching arrangement and method of instruction: Lectures and Discussion

Course/Module Content:

C. Walker, Reading the Past: Cuneiform

A. Aaboe, 'What every young person ought to know about naked-eye astronomy'
H.R. Nissen, R. Englund, and P. Damerow, Archaic Bookkeeping
R. Englund, Administrative Time Keeping in Ancient Mesopotamia

W. Horowitz, Some Thoughts on Sumerian Star-Names and Sumerian Astronomy
S. Kramer, The Sumerians


W. Sommerfeld, King Hammurabi of Babylon
E. Reiner and D. Pingree, The Venus Tablet of Ammisaduqa

Astrolabes
W. Horowitz, *The Astrolabes: Astronomy, Theology, and Chronology*
F. Rochberg, *Astronomy and Calendars in Ancient Mesopotamia*,

Mul-Apin
L. Brack-Bernsen, *The 360-Day Year in Mesopotamia*

W. Horowitz and R. Watson, *Reading Science Before the Greeks* 3-44

The Astronomical Reports
H. Hunger and D. Pingree, *Astral Sciences* 5-26
H. Hunger, *Astronomical Reports to Assyrian Kings (SAA 8): XIII-XXV (Introduction).*

A. Kuhrt and S. Sherwin-White, "Aspects of Seleucid royal ideology"
D. Gera and W. Horowitz, "Antiochus IV in Life and Death"
W. Horowitz, "Antiochus I, Esagil, and a Celebration of the Ritual for Renovation of Temples"
P-A. Beaulieu, "The Babylonian Man in the Moon"
M. Geller, "The Last Wedge"
D. Brown, "Increasingly Redundant"
J. Cooper, "Redundancy Considered: Reflections on David Brown's Thesis"

**Required Reading:**

Bibliography
Aaboe A, 'What every young person ought to know about naked-eye astronomy'. (photocopy)

Ben-Dov J. 2008: Head of All Years: Astronomy and Calendars at Qumran in their Ancient Context, Brill, Leiden.

Casaburi M. 2003: Tre-stelle-per-ciascun(-mese): L’Astrolabio B: edizione filologica, Università Degli Studi di Napoli "L’Orientale, Napoli.

Donbaz V. and J. Koch (1995): Ein Astrolab der dritten Generation: Nv. 10, JCS 47:


Gerber M. 2000: A Common Source for The Late Babylonian Chronicles Dealing with The Eighth and Seventeenth Centuries, JAOS 120: 553-569.


_____ 1992: Astrological Reports to Assyrian Kings ( SAA 8), Helsinki University Press, Helsinki. (3390 SAA)


Cuneiform (AfO Beih. 24). Use Abbreviation

_____ (1999): Astral Sciences in Mesopotamia, Brill, Leiden. (7100 PIN)


Kurtig G.E. 2007: The Star Heaven of Ancient Mesopotamia, the Sumero-Akkadian Names of Constellations and Other Heavenly Bodies, Aletheia, St. Petersburg. [[in Russian]]


Nissen H., R. Englund, and P. Damerow, Archaic Bookkeeping, University of

Oelsner, J. 2005-06: "Der "Hilprecht Text": die Jenaer astronomisch-
mathematische
Tafel HS 245 (früher 229) und die Paralleltexte Sm. 162 (CT 33, 11) Rs. sowie Sm

Parpola S. (1983): Letters from Assyrian Scholars to the Kings Esarhaddon and
( AOAT 5/1-2) [3390 AOAT]
_____ 1993: Letters from Assyrian and Babylonian Scholars ( SAA 10), Helsinki
University Press, Helsinki. (3390 SAA)
AfO 25: 50-55.
_____ (1981): Enkma Anu Enlil, Tablets 50-51 ( Babylonian Planetary Omens 2
Bibliotheca Mesopotamica 2/2), Malibu.

Reiner E. 1995: Astral Magic in Babylonia( Transactions of the American
Reiner E. and D. Pingree, The Venus Tablet of Ammisaduqa (Babylonian Planetary
Omens 1), 1975.
Reynolds F. 1998: "Unpropitious Titles of Mars in Mesopotamian Scholarly
Scientific and Technical, Burnt Mill.
Rochberg F. 2004a: The Heavenly Writing, Divination, Horoscopy, and Astronomy
_____ 2004b: "A Babylonian Rising-Times Scheme in Non-Tabular Astronomical
Texts," in Charles Burnett et al. eds., Studies in the History of the Exact Sciences in
Honour of David Pingree, Brill, Leiden, 56-94
Perspective on the Hilprecht Text (HS 229)," JNES 42: 209-217.
_____ (1987): TCL 6 13: Mixed Traditions in Late Babylonian Astrology, ZA 77 207-
228.
Tablets of Enuma Anu Enlil [ AfO Beih. 22], Verlag F. Berger, Horn.


Sachs A. 1952: Babylonian Horoscopes, JCS 6: 49-75
(3399.1 SAC)


____ 1931-32: Der Tierkreis und die Wege am Himmel, AfO 7: 170-178.
Additional Reading Material:

Course/Module evaluation:
End of year written/oral examination 0 %
Presentation 0 %
Participation in Tutorials 0 %
Project work 0 %
Assignments 0 %
Reports 0 %
Research project 100 %
Quizzes 0 %
Other 0 %

Additional information: